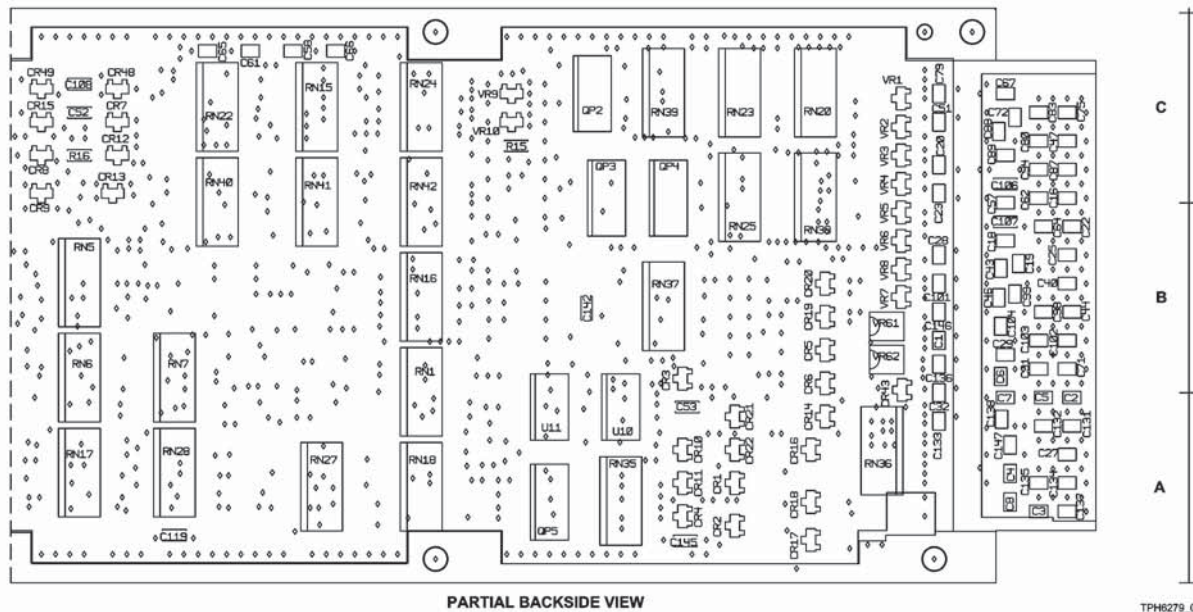
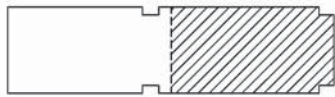


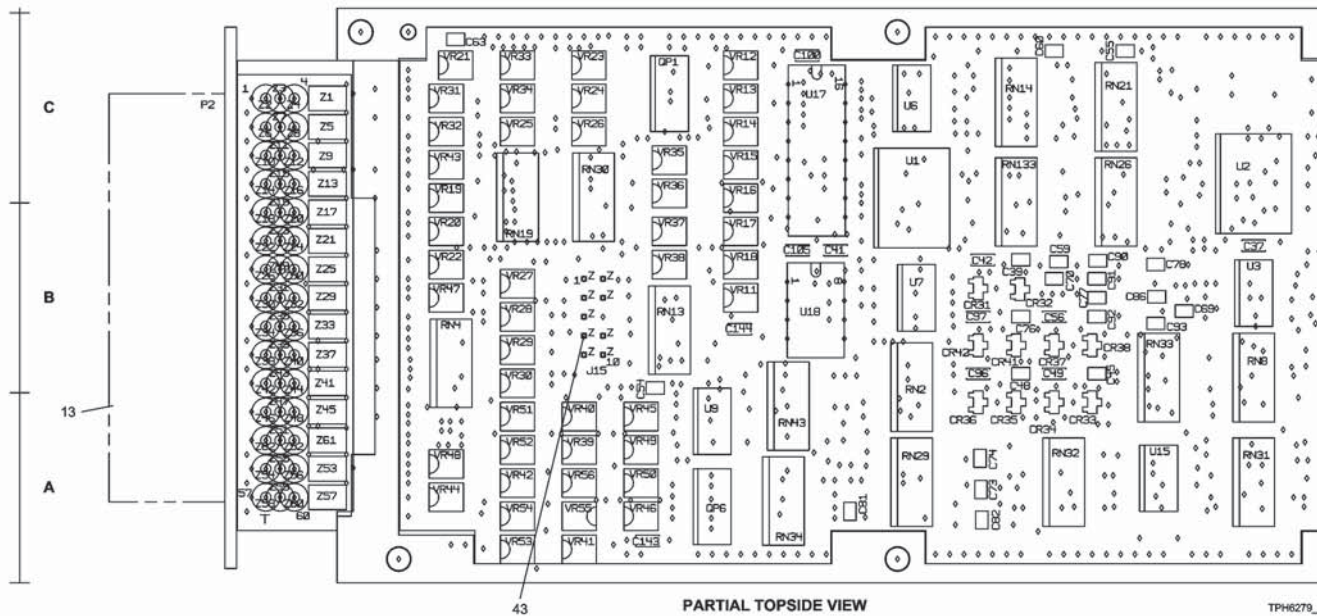
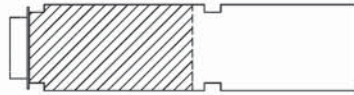
ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



TPH6279_02

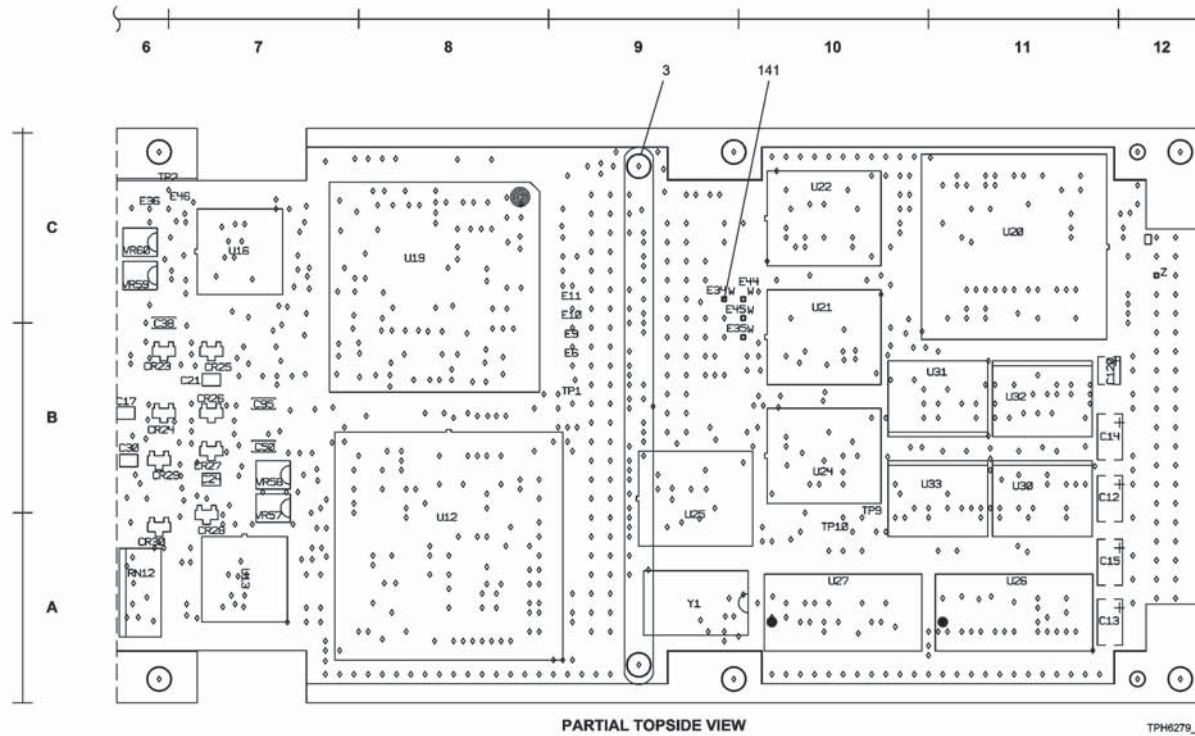
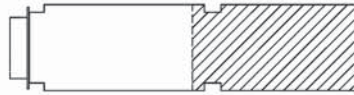
CPU I/O Circuit Card A5 (CPN 828-2700-003)
 Figure 11 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-161-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



CPU I/O Circuit Card A5 (CPN 828-2700-003)
 Figure 11 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-161-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



CPU I/O Circuit Card A5 (CPN 828-2700-003)
 Figure 11 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-161-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
11 - 1	828-2700-003		1	CIRCUIT CARD, CPU I/O (SEE FIG 4-81A FOR NHA)		RF
3	653-2280-001		2	STRAP, BOARD A5		1
- 5	347-0006-000		2	--- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L		2
- 7	NAS620C4L		2	V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD		2
- 9	68-1660-40		2	V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000 -----*		2
11	288-0815-010		2	BEAD, FERRITE (V0214) 288-0815-010 PN IS REF NO FOR TUB3,7/1,2/3,5-4B1		45
13	634-7949-002		2	A5Z22 A5Z3 A5Z4 A5Z6 A5Z7 A5Z8 A5Z10 A5Z11 A5Z12 A5Z14 A5Z15 A5Z16 A5Z18 A5Z19 A5Z20 A5Z22 A5Z23 A5Z24 A5Z26 A5Z30 A5Z31 A5Z32 A5Z34 A5Z35 A5Z36 A5Z38 A5Z39 A5Z40 A5Z42 A5Z43 A5Z44 A5Z46 A5Z47 A5Z48 A5Z49 A5Z50 A5Z51 A5Z52 A5Z54 A5Z55 A5Z56 A5Z58 A5Z59 A5Z60 A5Z62 CIRCUIT CARD ASSEMBLY ASP2		1
- 15	NA1109-023		3	CONTACT (V57863) 372-2604-023		30
- 17	NA1109-022		3	CONTACT (V57863) 372-2604-022		30
19	DS9638J883Q		2	MICROCIRCUIT (V27014) 351-1412-010 TRUE PN IS DS9638J/883Q A5U18		1
21	AM26LS32AMJ		2	MICROCIRCUIT (V01295) 351-1926-010 A5U17		1
23	SN74HCT244DW		2	MICROCIRCUIT (V01295) 351-3610-040 A5U1 A5U2		2
25	SN74HC32D		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-100 A5U8		1
27	CD74HC04M		2	MICROCIRCUIT (ESDS) (V81349) 351-3705-010 A5U34		1
29	74AC245SC		2	MICROCIRCUIT (ESDS) (V27014) 835-4508-010 A5U32 A5U33		2
31	CD74HC373M		2	MICROCIRCUIT (ESDS) (V01295) 351-3706-020 A5U30 A5U31		2
33	PMBT2222A		2	TRANSISTOR (ESDS) (V18324) 352-9113-010 A5Q1		1
35	MMBZ5232BLT1		2	DIODE (ESDS) (V1M007) 353-8133-070 A5VR7 A5VR8		2
37	MMBZ5237BLT1		2	DIODE (ESDS) (V1M007) 353-8133-120 A5VR1 A5VR2 A5VR3 A5VR4 A5VR5 A5VR6 A5VR9 A5VR10		8
39	BAS70-04		2	DIODE (V12954) 353-8136-010 A5CR1 A5CR2 A5CR3 A5CR4 A5CR5 A5CR6 A5CR7 A5CR8 A5CR9 A5CR10 A5CR11 A5CR12 A5CR13 A5CR14 A5CR15 A5CR16 A5CR17		47

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
11						
41	NA1104-037		2	A5CR18 A5CR19 A5CR20 A5CR21 A5CR22 A5CR23 A5CR24 A5CR25 A5CR26 A5CR27 A5CR28 A5CR29 A5CR30 A5CR31 A5CR32 A5CR33 A5CR34 A5CR35 A5CR36 A5CR37 A5CR38 A5CR41 A5CR42 A5CR43 A5CR44 A5CR45 A5CR46 A5CR47 A5CR48 A5CR49 CONTACT, ELECTRICAL .025 SQ. PIN (V57863) 372-2601-037 CONTACT, ELECTRICAL (V57863) 372-2601-045 CONTACT, ELECTRICAL (V57863) 372-2601-197 RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020 A5R1 A5R2 A5R7 A5R10 A5R14 A5R16 RESISTOR, FIXED FILM, 1 MEG, 1%, 125MW (V56845) 705-3535-120 A5R5 RESISTOR, FIXED 562 OHMS, 1%, 125MW (V56845) 705-3535-800 A5R3 RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100 A5R4 RESISTOR, NETWORK, 36 OHM, .25W, 2% (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC A5RN4 A5RN13 A5RN19 A5RN20 A5RN30 A5RN36 A5RN46 RESISTOR, NETWORK, 47 OHM, .25W, 2% (V11236) 833-5502-020 A5RN37 RESISTOR, NETWORK, 82 OHM, .25W, 2% (V11236) 833-5502-030 A5RN23 A5RN35 RESISTOR, NETWORK 1K, 2% (ESDS) (V11236) 833-5502-040 A5RN24 A5RN25 A5RN34 RESISTOR, NETWORK, 1.5K OHM, .25W, 2% (V11236) 833-5502-050 A5RN38 RESISTOR, NETWORK 4.7K, 2% (V11236) 833-5502-060 A5RN39 A5RN44 RESISTOR, NETWORK 10K, 2% (ESDS) (V11236) 833-5502-070 A5RN2 A5RN43 MICROCIRCUIT (ESDS) (V11236) 833-5502-080 A5RN1 A5RN3 RESISTOR, NETWORK 47K, 2% (ESDS) (V11236) 833-5502-120 A5RN21 A5RN22 A5RN26 A5RN29 A5RN33 RESISTOR, NETWORK, 62K OHM, .25W, 2% (V11236) 833-5502-140 A5RN40 RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A5RN42 RESISTOR, NETWORK, 270K OHM, .25W, 2% (V11236) 833-5502-190 A5RN41 RESISTOR, FIXED, 1.2W, 2% (V91637) 833-6002-010 PN IS REF NO FOR SOMC160000000DC1 A5RN5 A5RN6 A5RN7 A5RN8 A5RN9 A5RN10 A5RN11 A5RN12 A5RN14 A5RN15 A5RN16		
43	NA1104-045		2			10
45	NA1103-197		2			24
47	CRCW12061002F		2			6
49	CRCW12061004F		2			1
51	CRCW12065620F		2			2
53	RK73H2BL1000F		2			1
55	SOMC160336R0GDC		2			7
57	833-5502-020		2			1
59	833-5502-030		2			2
61	833-5502-040		2			3
63	833-5502-050		2			1
65	833-5502-060		2			2
67	833-5502-070		2			2
69	833-5502-080		2			2
71	833-5502-120		2			5
73	833-5502-140		2			1
75	833-5502-180		2			1
77	833-5502-190		2			1
79	833-6002-010		2			22

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	I N D E N T			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY					
			I	N	D				E	N	T		
11													
81	TAB475K010H		2			ASRN17 ASRN18 ASRN27 ASRN28 ASRN31 ASRN32 ASRN45 ASRN47 ASRN48 ASRN49 ASRN133 CAPACITOR, FIXED 4.7UF, 10%, 10V (V04222) 834-2008-140 ASG120 CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 ASG12 ASG13 ASG14 ASG15 CAPACITOR, FIXED 10,000PF, 10%, 50V (V04222) 834-5005-250 ASG9 ASG10 ASG11 ASG34 ASG35 ASG36 ASG37 ASG38 ASG41 ASG42 ASG49 ASG50 ASG52 ASG53 ASG56 ASG88 ASG84 ASG85 ASG95 ASG96 ASG97 ASG100 ASG105 ASG106 ASG107 ASG108 ASG109 ASG110 ASG119 ASG121 ASG122 ASG123 ASG124 ASG125 ASG126 ASG127 ASG128 ASG129 ASG130 ASG140 ASG142 ASG143 ASG144 ASG145 CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 ASG115 ASG116 MICROCIRCUIT (ESDS) (V1M007) 835-0032-010 ASU9 ASU10 ASU11 TRANSISTOR (V1M007) 835-0035-020 ASQP1 ASQP3 ASQP5 TRANSISTOR (V1M007) 835-0036-020 ASQP2 ASQP4 ASQP6 MICROCIRCUIT (V1M007) 835-1278-030 ASU3 ASU4 ASU5 ASU6 ASU7 ASU15 MICROCIRCUIT (ESDS) (V34371) 835-5509-100 PN IS REF NO FOR X28HC256JL-90 C7992 ASU24 ASU25 MICROCIRCUIT (V34649) 835-1532-090 TRUE PN IS TN80C196K-C-20 ASU20 MICROCIRCUIT (V1ES66) 835-1632-010 ASU35 MICROCIRCUIT (V0FB81) 835-1681-030 ASU19 MICROCIRCUIT, MODIFIED ASU13 MICROCIRCUIT (V65786) 835-2012-040 TRUE PN IS CY7C291AL-35JL MICROCIRCUIT (ESDS) (V34335) 835-2059-050 TRUE PN IS AM29F010A-70JL ASU21 ASU22 MICROCIRCUIT (ESDS) (V65786) 835-5021-070 TRUE PN IS CY7C109B-20VI ASU26 ASU27 MICROCIRCUIT (V34576) 351-4950-010 ASU12 MICROCIRCUIT, MODIFIED ASU16 MICROCIRCUIT (V1FN41) 835-5874-070 TRUE PN IS ATF22V10C-7JL	2	2	2	2	2	2	2
83	TAC105K050H		2										
85	12065C103KAT2A		2					44					
87	C1206C104K5FRAC		2					2					
89	MCS3074D		2					3					
91	MMPQ2222A		2					3					
93	MMPQ2907A		2					3					
95	LM2901D		2					6					
97	835-5509-100		2					2					
99	TN80C196K-C20		2					1					
101	MAX693AESE		2					1					
103	835-1681-030		2					1					
105	831-4505-003		2					1					
107	CY7C291AL35JL		3					1					
109	AM29F010A70JL		2					2					
111	CY7C109B20VI		2					2					
113	31015-11		2					1					
115	831-4504-001		2					1					
- 117	ATF22V10C7JL		3					1					

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	INDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
11						
143	08055C561KATBA		2	CAPACITOR, FIXED CER, 560PF, 10%, 50V (V04222) 913-3670-090		3
145	RK73H2BL4751F		2	ASC17 ASC21 ASC24 RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600 A5R15		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 12. Video Processor Circuit Card A6 (CPN 687-0726-006)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	C-1*	191	C132	A-1*	191	C222	A-6*	145	C60	B-6*	189
C10	B-1*	191	C133	A-1*	191	C223	B-6*	145	C61	B-6*	185
C100	B-7	135	C134	A-1*	191	C228	A-4	183	C64	A-5	139
C101	B-1	141	C135	A-1*	191	C23	C-1*	191	C65	A-6	139
C102	A-7*	191	C136	A-1*	191	C232	A-5	187	C67	A-6	139
C103	A-1*	191	C137	A-1*	191	C233	A-6	187	C7	B-1*	191
C104	B-1*	191	C138	A-1*	191	C234	A-5	187	C73	A-6*	189
C105	B-1*	191	C139	A-1*	191	C235	A-6	187	C75	A-4	137
C106	B-1*	191	C14	B-1*	191	C236	A-6	189	C78	C-8*	145
C107	B-1*	191	C140	C-5	145	C237	A-5*	145	C79	C-7*	145
C108	B-1*	191	C141	C-4	145	C24	C-1*	191	C8	A-4	145
C109	B-1*	191	C142	B-6	137	C241	A-5*	195	C80	C-7*	145
C11	B-1*	191	C143	A-6	137	C25	B-4	145	C81	C-10*	145
C110	A-1*	191	C15	B-1*	191	C26	C-1*	191	C82	C-10*	145
C111	A-1*	191	C16	B-1*	191	C27	C-1*	191	C83	B-8*	145
C112	A-1*	191	C17	B-4	145	C28	C-1*	191	C84	B-7*	145
C113	B-1*	191	C171	B-5*	145	C29	C-1*	191	C85	B-10*	145
C114	B-1*	191	C176	B-4	183	C3	B-1*	191	C86	B-11*	145
C115	B-11	141	C18	B-1*	191	C30	C-1*	191	C87	A-10*	145
C116	C-11	141	C19	B-1*	191	C31	C-1*	191	C88	B-10*	145
C117	B-11	141	C2	C-2*	191	C32	C-2*	191	C89	A-8*	145
C118	B-11	141	C20	B-1*	191	C33	C-1*	191	C9	B-1*	191
C119	B-11	141	C202	B-6	147	C34	C-4	145	C90	A-8*	145
C12	B-1*	191	C203	A-6	145	C35	C-1*	191	C91	B-8*	145
C120	C-11	145	C206	B-6	145	C36	A-8*	145	C92	B-8*	145
C121	C-11	145	C209	A-6*	185	C37	B-8*	145	C93	C-7*	145
C122	C-1	181	C21	C-1*	191	C4	B-1*	191	C94	C-11*	145
C123	C-3	133	C210	B-6	145	C49	B-6	147	C96	C-9*	145
C124	C-3	143	C211	A-6	145	C5	B-1*	191	C97	C-9	145
C125	A-12*	145	C212	B-6*	145	C50	B-4	137	CR1	C-2*	59
C126	A-12*	145	C213	A-6*	145	C51	B-5*	195	CR10	B-2*	59
C127	A-12	145	C214	C-6*	145	C52	B-5*	195	CR11	B-1*	59
C128	A-12	145	C217	B-7*	193	C53	B-5	139	CR12	B-2*	59
C129	A-1*	191	C218	A-7*	193	C55	A-6	189	CR120	B-5*	163
C13	B-1*	191	C22	C-1*	191	C58	B-6	139	CR13	B-2*	59
C130	A-1*	191	C220	B-6*	145	C59	B-6	139	CR14	B-2	59
C131	A-1*	191	C221	A-5*	195	C6	B-1*	191	CR15	B-1*	59

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

Figure 12. Video Processor Circuit Card A6 (CPN 687-0726-006)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
CR16	C-1*	59	CR5	B-2*	59	CR84	C-5	59	Q9	B-7	53
CR17	C-2*	59	CR51	B-7	163	CR85	C-6	59	R1	A-4*	81
CR18	B-2*	59	CR52	B-7	61	CR86	C-6*	59	R100	A-12*	91
CR19	B-2	59	CR53	B-7*	59	CR87	C-6	59	R101	A-11*	91
CR2	C-2	59	CR54	A-7	59	CR88	C-6	59	R102	A-12	91
CR20	C-1*	59	CR55	B-2*	59	CR89	C-6	59	R103	A-12	91
CR206	B-5	163	CR56	C-6*	59	CR9	B-2	59	R104	A-11*	91
CR207	A-5	163	CR57	A-2*	59	CR90	C-6	59	R105	A-11*	91
CR208	B-5*	163	CR58	A-2	59	FL1	C-3	173	R106	A-11	91
CR209	B-5	163	CR59	A-2	59	L101	B-5	169	R107	B-12*	197
CR21	C-2	59	CR6	A-2	59	L102	B-6	169	R108	B-9*	197
CR210	A-5*	163	CR60	B-2*	59	L103	A-5	169	R109	B-9*	197
CR211	A-5	163	CR61	B-2*	59	L104	A-6	169	R111	A-7*	83
CR22	C-2	59	CR62	C-6	59	L106	B-6	171	R110	B-9*	197
CR224	B-4	163	CR63	B-1*	59	L5	A-6	171	R111	B-9*	197
CR226	A-4	163	CR64	B-3*	59	L7	C-2	179	R112	B-9*	197
CR23	B-2	59	CR65	A-2*	59	P1	A-1	71	R113	B-9*	197
CR231	B-4	163	CR66	A-2*	59	P20	B-12*	69	R114	B-9*	197
CR232	A-4	163	CR67	C-6	59	P25	A-9*	63	R115	B-9*	197
CR234	B-5*	163	CR68	A-2*	59	P3	A-9*	77	R116	A-9*	197
CR236	A-5*	163	CR69	B-2*	61	Q1	A-7*	53	R117	B-4	67
CR238	B-4	163	CR7	B-1*	59	Q10	B-2*	53	R118	A-4	67
CR24	C-2*	59	CR70	A-3*	59	Q11	C-4	53	R119	A-9*	197
CR240	A-4	163	CR71	A-2*	59	Q113	B-4*	53	R120	B-12*	197
CR25	C-2*	59	CR72	A-2*	59	Q14	A-6*	53	R121	A-9*	197
CR26	C-2	59	CR73	A-2*	59	Q2	A-8*	37	R122	A-9*	197
CR27	C-2*	59	CR74	C-2*	59	Q203	B-5	53	R123	B-9	197
CR28	C-1*	59	CR75	C-2*	59	Q204	B-5*	53	R124	B-9	197
CR29	C-2	59	CR76	C-3*	59	Q205	A-5	53	R125	B-9	197
CR3	B-1*	59	CR77	C-3*	59	Q206	A-5*	53	R126	B-9	197
CR30	C-2	59	CR78	B-3*	59	Q210	A-4*	53	R127	A-9	197
CR31	C-2*	59	CR79	B-3*	59	Q213	A-4	53	R128	A-9	197
CR32	C-6	59	CR8	B-1*	59	Q214	B-5	53	R129	B-9	197
CR4	B-2	59	CR80	C-6*	59	Q216	A-5	53	R14	B-4*	109
CR46	A-5*	163	CR81	C-6*	59	Q243	B-4	53	R16	B-4*	79
CR48	B-7	163	CR82	C-6*	59	Q6	B-5	53	R17	B-7	111
CR49	B-7*	163	CR83	C-5*	59	Q7	A-7	55	R18	B-5*	107

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 12. Video Processor Circuit Card A6 (CPN 687-0726-006)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
R19	B-5*	79	R314	B-6*	91	R64	C-7*	79	U10	C-3*	123
R2	B-4*	81	R316	B-4*	79	R65	C-7*	79	U101	C-7	47
R20	B-5*	81	R317	B-6	205	R66	C-7*	81	U103	C-7	47
R21	B-5	103	R318	B-6	205	R67	A-11*	111	U104	C-8	161
R211	A-6*	87	R32	B-6	91	R68	B-10*	111	U108	C-10	157
R216	A-5*	93	R33	B-9	197	R69	B-10*	197	U109	C-10	157
R22	B-5*	91	R34	B-6	87	R70	A-10*	197	U11	C-3*	121
R221	A-5*	83	R35	B-5*	81	R71	B-8*	79	U116	B-7	159
R227	B-6	207	R36	B-7*	111	R72	A-10*	197	U118	B-10	153
R228	A-5*	79	R37	A-5*	81	R73	B-10*	197	U12	C-3	47
R23	B-5	91	R38	A-7	111	R74	A-10*	197	U121	A-8	201
R230	B-6*	207	R39	A-7*	111	R75	A-7	79	U128	B-7	115
R232	A-5	99	R4	C-3*	81	R76	A-7	83	U13	A-8*	43
R24	B-5*	99	R40	A-8*	197	R77	B-7	83	U14	C-9	45
R241	A-7	83	R41	A-8*	197	R78	B-7*	83	U16	B-8*	155
R242	A-5*	91	R42	A-8*	197	R79	B-7	83	U17	C-9	39
R243	A-5*	91	R43	A-6*	105	R80	A-7	79	U2	A-3*	121
R249	A-6*	91	R44	A-6*	91	R81	A-7*	79	U203	B-6	149
R25	A-5*	93	R45	A-6*	95	R82	A-7	95	U204	A-6	149
R256	A-6*	91	R46	A-6*	95	R83	A-7	95	U205	B-6*	149
R26	B-9*	197	R47	A-8*	197	R84	B-8*	97	U208	A-6*	149
R265	B-7*	83	R48	A-5*	95	R85	B-7*	89	U214	B-6	149
R267	C-6	85	R49	B-7*	197	R86	A-10*	197	U215	A-5	49
R27	B-6*	105	R50	C-7*	197	R87	A-3*	79	U24	A-8*	41
R271	B-4*	101	R51	A-10*	197	R88	A-3*	79	U29	C-11	51
R28	B-6*	95	R52	A-10*	197	R89	A-3*	79	U3	A-3	47
R282	A-5*	107	R53	A-5	93	R90	B-7	79	U33	C-5*	127
R283	B-4*	79	R54	A-4*	109	R91	A-3*	79	U34	C-4*	125
R286	B-5*	83	R55	A-5	93	R92	C-3	131	U35	A-2	119
R29	B-6*	95	R56	A-4*	79	R93	B-2*	83	U36	C-5*	129
R294	B-5	93	R57	A-4*	79	R94	C-4	83	U37	B-3*	121
R296	B-5	93	R58	A-4*	79	R95	C-4	79	U38	C-4	5
R3	C-3*	81	R59	A-10*	197	R96	B-2*	97	U39	A-12	151
R30	B-6*	95	R60	B-10*	197	R97	C-4	113	U4	A-3*	123
R31	A-6*	91	R61	A-4*	101	R98	C-4	95	U40	A-12*	151
R311	A-5	103	R62	C-8*	81	R99	A-11*	91	U41	B-2	119
R313	B-7*	83	R63	C-7*	81	U1	A-3*	123	U42	C-5	127

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
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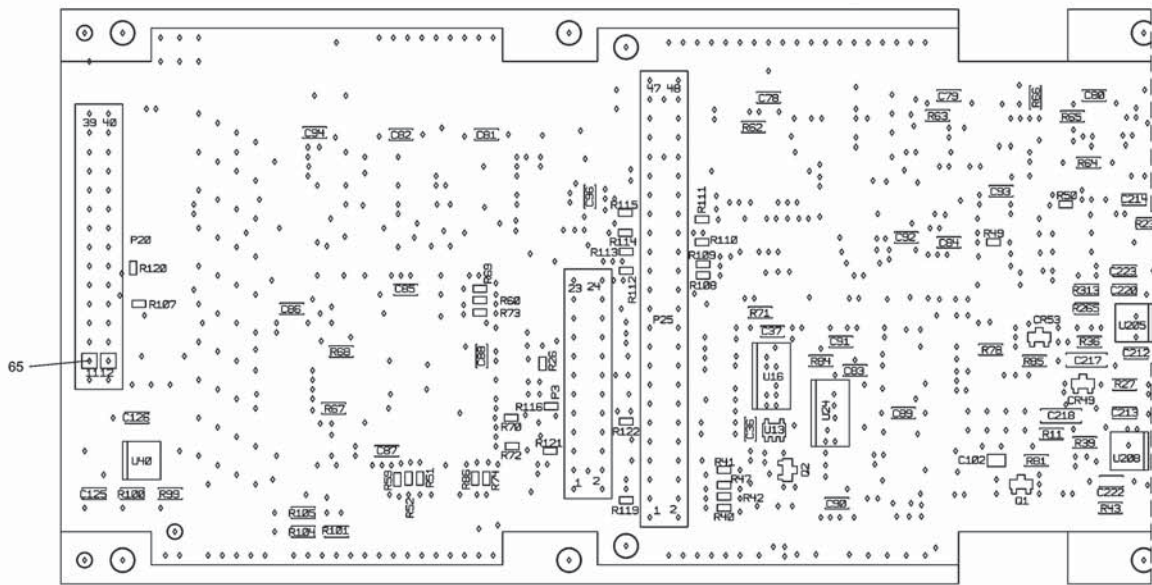
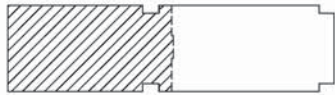
Figure 12. Video Processor Circuit Card A6 (CPN 687-0726-006)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
U43	C-5*	125	Z19	B-1	175	Z59	C-1	175			
U44	C-4	47	Z2	A-1	175	Z6	A-1	175			
U45	C-4	47	Z20	B-1	177	Z7	A-1	175			
U46	C-5	129	Z21	B-1	175	Z8	A-1	177			
U5	A-3*	121	Z22	B-1	175	Z9	A-1	175			
U6	A-3	47	Z23	B-1	175						
U7	B-3*	123	Z24	B-1	177						
U8	B-3*	121	Z25	B-1	175						
U9	B-3	47	Z26	B-1	175						
VR1	B-2	165	Z27	B-1	175						
VR10	A-2	165	Z28	B-1	177						
VR11	A-2	165	Z29	B-1	175						
VR12	C-2	165	Z3	A-1	175						
VR13	C-2	165	Z30	B-1	175						
VR14	C-3	165	Z31	B-1	175						
VR15	C-3	165	Z33	B-1	175						
VR16	B-3	165	Z34	B-1	175						
VR17	B-3	165	Z35	B-1	175						
VR18	B-2	167	Z36	B-1	177						
VR19	B-7	165	Z37	B-1	175						
VR2	B-2	165	Z38	B-1	175						
VR3	B-2	165	Z39	B-1	175						
VR4	B-3	165	Z4	A-1	177						
VR5	B-2	167	Z40	B-1	177						
VR6	C-3	57	Z44	B-1	177						
VR7	A-2	165	Z48	C-1	177						
VR8	A-2	165	Z49	C-1	175						
VR9	A-2	165	Z5	A-1	175						
Z1	A-1	175	Z50	C-1	175						
Z10	A-1	175	Z51	C-1	175						
Z11	A-1	175	Z52	C-1	177						
Z13	A-1	175	Z53	C-1	175						
Z14	A-1	175	Z54	C-1	175						
Z15	A-1	175	Z55	C-1	175						
Z16	A-1	177	Z56	C-1	177						
Z17	B-1	175	Z57	C-1	175						
Z18	B-1	175	Z58	C-1	175						

* DESIGNATES BACKSIDE COMPONENTS

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 TDR-94, PART NO 622-9352



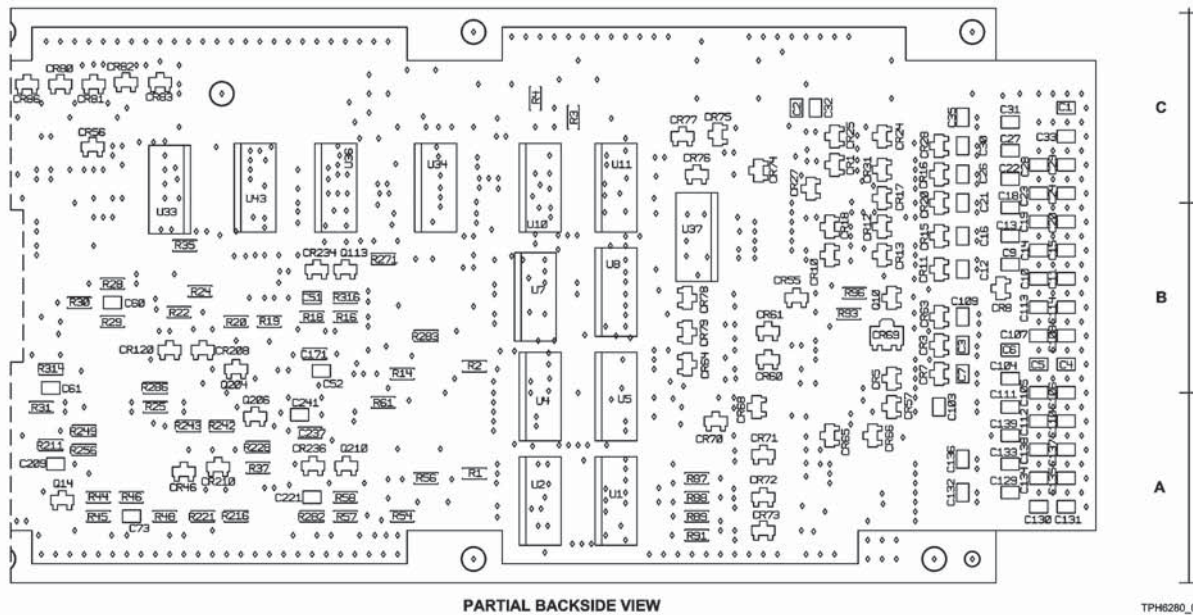
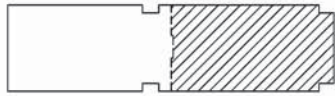
PARTIAL BACKSIDE VIEW



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Video Processor Circuit Card A6 (CPN 687-0726-006)
 Figure 12 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-162-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

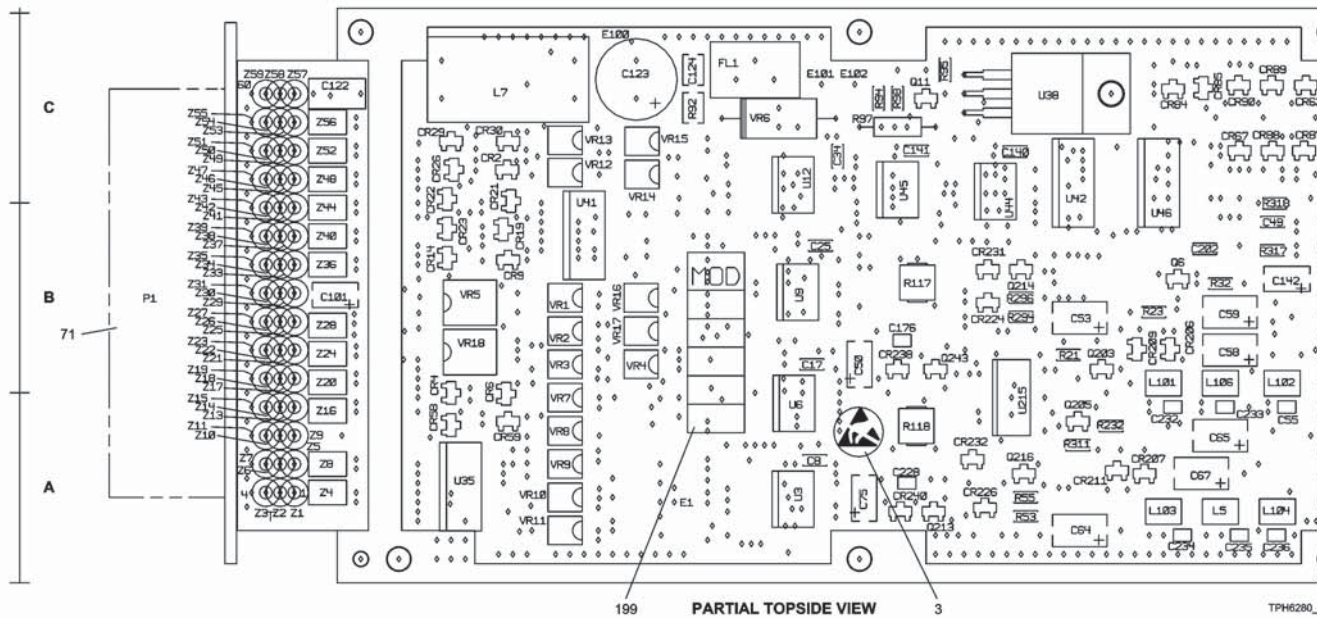
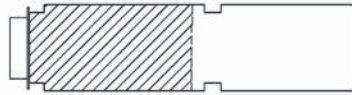


PARTIAL BACKSIDE VIEW

TPH8280_02

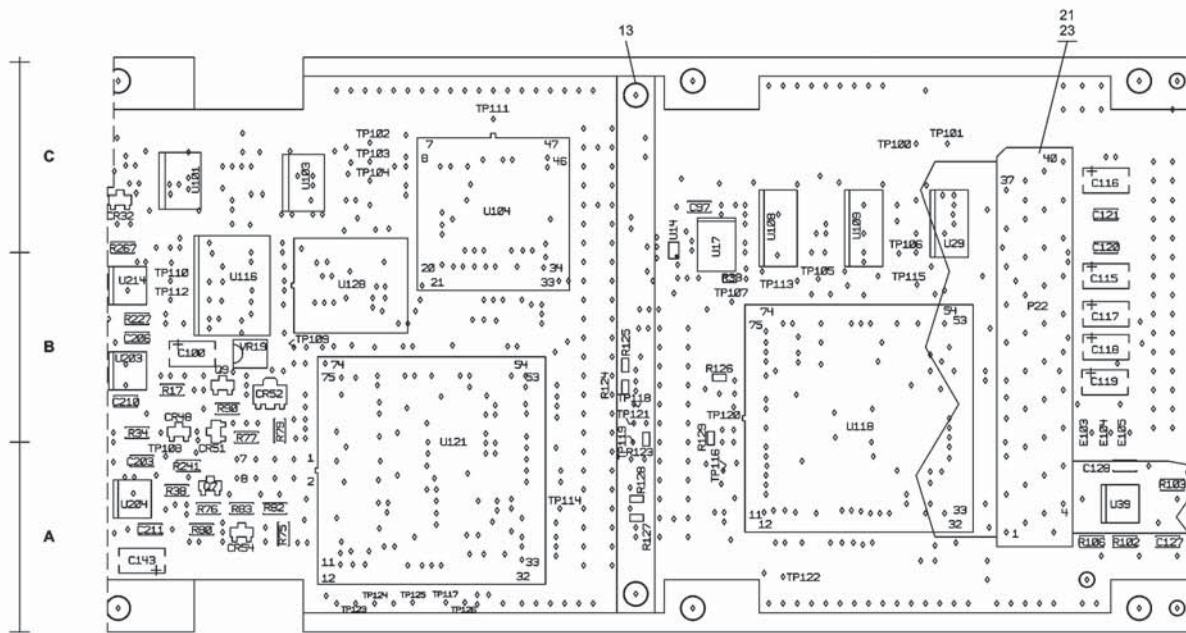
Video Processor Circuit Card A6 (CPN 687-0726-006)
 Figure 12 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-162-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Video Processor Circuit Card A6 (CPN 687-0726-006)
 Figure 12 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-162-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



PARTIAL TOPSIDE VIEW

TPH8280_04

Video Processor Circuit Card A6 (CPN 687-0726-006)
 Figure 12 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-162-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
12 - 1	687-0726-006		1	CIRCUIT CARD, VIDEO PROCESSOR (SEE FIG 4-79 FOR NHA) (SEE FIG 4-79A FOR NHA) (SEE FIG 4-63A FOR NHA) (SEE FIG 4-63D FOR NHA) (SEE FIG 4-63E FOR NHA) (SEE FIG 4-63G FOR NHA) (SEE FIG 4-63H FOR NHA) (SEE FIG 4-63K FOR NHA) (SEE FIG 4-63L FOR NHA) (SEE FIG 4-63N FOR NHA) (SEE FIG 4-63P FOR NHA) (SEE FIG 4-63S FOR NHA) (SEE FIG 4-63T FOR NHA) (SEE FIG 4-63V FOR NHA) (SEE FIG 4-63X FOR NHA) (SEE FIG 4-63Y FOR NHA) (SEE FIG 4-64 FOR NHA) (SEE FIG 4-64A FOR NHA)		RF
3	M39018-01-1161M LM317T		2	A6 LABEL, ESDS WARNING (V81349) 280-2745-040 MICROCIRCUIT (ESDS) (V27014) 351-1271-010 A6U38		1
5			2	---		1
7	MS51957-14		2	--- ATTACHING PARTS --- SCREW, MACHINE SST 4-40 X 5/16 (V96906) 343-0134-000 WASHER, LOCK SST 0.115 ID X 0.209 OD (V96906) 310-0279-000		1
9	MS35338-135		2	NUT, PLAIN HEXAGON CD PL STL 0.112-40 (V80205) 313-0132-000		1
11	NAS671C4		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		2
13	653-2280-001		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		1
15	347-0006-000		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		2
17	NAS620C4L		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		2
19	68-1660-40		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		2
21	653-2248-002		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		1
23	86286-1		2	STRAP, BOARD -----*----- --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V019L2) 333-0605-000		4
25	111356-8		3	CABLE, ASSEMBLY PLUG, KEYING (V00779) 372-2641-010		1
27	111355-8		3	CONNECTOR (V00779) 859-2000-150		1
29	1-499566-0		3	CONNECTOR (V00779) 859-2000-160		1
31	499568-1		3	CONNECTOR (V00779) 372-2648-070		1
33	88450-2		3	CONNECTOR (V00779) 372-2648-020		1
35	88450-9		3	CONNECTOR, PULL TAB (V00779) 372-0112-020		1
37	204-0077-020		2	CONNECTOR, PULL TAB (V00779) 372-0112-090		1
39	OCE720000XCDDXX		2	TRANSISTOR A6Q2 MICROCIRCUIT, CRYSTAL CONTROLLED (V0S4G1) 277-0696-070 TRUE PN IS OCE720000XCDDXX A6U17		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
12						
41	SN74HC02D		2	MICROCIRCUIT (V01295) 351-2802-010 A6U24		1
43	NC7ST132M5		2	MICROCIRCUIT (V7D893) 351-3152-080 A6U13		1
45	NC7WZ04P6		2	MICROCIRCUIT (V7D893) 351-3265-020 A6U14		1
47	SN74ABT2244ADB		2	MICROCIRCUIT (V01295) 351-3435-010 A6U3 A6U6 A6U9 A6U12 A6U44 A6U45 A6U101 A6U103		8
49	MC74HC4316AD		2	MICROCIRCUIT (V1M007) 351-3460-010 A6U215		1
51	SN74HC08D		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-040 A6U29		1
53	PMBT2222A		2	TRANSISTOR (ESDS) (V18324) 352-9113-010 A6Q1 A6Q6 A6Q9 A6Q10 A6Q11 A6Q14 A6Q113 A6Q203 A6Q204 A6Q205 A6Q206 A6Q210 A6Q213 A6Q214 A6Q216 A6Q243		16
55	PMBT2907TR		2	TRANSISTOR (V18324) 352-9114-010 TRUE PN IS PMBT2907T/R A6Q7		1
57	353-3768-060		2	DIODE (V12954) 353-3768-060 A6VR6		1
59	BAS70-04		2	DIODE (V12954) 353-8136-010 A6CR1 A6CR2 A6CR3 A6CR4 A6CR5 A6CR6 A6CR7 A6CR8 A6CR9 A6CR10 A6CR11 A6CR12 A6CR13 A6CR14 A6CR15 A6CR16 A6CR17 A6CR18 A6CR19 A6CR20 A6CR21 A6CR22 A6CR23 A6CR24 A6CR25 A6CR26 A6CR27 A6CR28 A6CR29 A6CR30 A6CR31 A6CR32 A6CR33 A6CR34 A6CR35 A6CR36 A6CR37 A6CR38 A6CR39 A6CR40 A6CR41 A6CR42 A6CR43 A6CR44 A6CR45 A6CR46 A6CR47 A6CR48 A6CR49 A6CR50 A6CR51 A6CR52 A6CR53 A6CR54 A6CR55 A6CR56 A6CR57 A6CR58 A6CR59 A6CR60 A6CR61 A6CR62 A6CR63 A6CR64 A6CR65 A6CR66 A6CR67 A6CR68 A6CR70 A6CR71 A6CR72 A6CR73 A6CR74 A6CR75 A6CR76 A6CR77 A6CR78 A6CR79 A6CR80 A6CR81 A6CR82 A6CR83 A6CR84 A6CR85 A6CR86 A6CR87 A6CR88 A6CR89 A6CR90		69
61	BAW78D		2	DIODE (V1W698) 353-8138-040 A6CR52 A6CR69		2
63	2-535542-4		2	CONNECTOR, ELECTRICAL (V00779) 372-0033-390 A6P25		1
65	M55302-127-00KY		2	PLUG, KEYING (V81349) 372-2669-010		2
67	3314J1-203E		2	RESISTOR, VARIABLE, 20K OHM, .25W, 20% (V32997) 376-0286-110 TRUE PINS 3314J-1-203E A6R117 A6R118		2
69	628-5853-001		2	CONNECTOR, ELECTRICAL A6P20		1
71	634-7949-002		2	CIRCUIT CARD ASSEMBLY A6P1		1
- 73	NA1109-023		3	CONTACT (V57863) 372-2604-023		30
- 75	NA1109-022		3	CONTACT (V57863) 372-2604-022		30
77	653-3984-001		2	CONNECTOR, ELECTRICAL A6P3		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
12						
79	CRCW12061002F		2	RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020 A6R16 A6R19 A6R56 A6R57 A6R58 A6R64 A6R65 A6R71 A6R75 A6R80 A6R81 A6R87 A6R88 A6R89 A6R90 A6R91 A6R95 A6R228 A6R283 A6R316 RESISTOR, FIXED FILM, 100K, 1%, 125MW (V56845) 705-3535-060 A6R1 A6R2 A6R3 A6R4 A6R20 A6R35 A6R37 A6R62 A6R63 A6R66 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200 A6R11 A6R76 A6R77 A6R78 A6R79 A6R93 A6R94 A6R221 A6R241 A6R265 A6R286 A6R313		20
81	CRCW12061003F		2			10
83	CRCW12061001F		2			12

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
12						
85	CRCW12061212F		2	RESISTOR, FIXED FILM, 12.1K, 1%, 125MW (V56845) 705-3535-270 A6R267		1
87	CRCW12069760F		2	RESISTOR, FIXED, 976 OHM, .25W, 1% (V56845) 705-3535-390 A6R34 A6R211		2
89	CRCW12064750F		2	RESISTOR, FIXED FILM, 475 OHMS, 1%, 125MW (V56845) 705-3535-730 A6R85		1
91	RK73H2BL2001F		2	RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290 A6R22 A6R23 A6R31 A6R32 A6R44 A6R99 A6R100 A6R101 A6R102 A6R103 A6R104 A6R105 A6R106 A6R242 A6R243 A6R249 A6R256 A6R314		18
93	RK73H2BL2211F		2	RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330 A6R25 A6R53 A6R55 A6R216 A6R294 A6R296 RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530 A6R28 A6R29 A6R30 A6R45 A6R46 A6R48 A6R82 A6R83 A6R98		9
95	RK73H2BL3921F		2	RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600 A6R84 A6R96		2
97	RK73H2BL4751F		2	RESISTOR, FIXED FILM, 27.4K, 1%, 125MW (V59124) 705-3538-230 A6R24 A6R232		2
99	RK73H2BL2742F		2	RESISTOR, FIXED, 28.7K OHM, .25W, 1% (V59124) 705-3538-250 A6R61 A6R271		2
101	RK73H2BL2874F		2	RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450 A6R21 A6R311		2
103	RK73H2BL4752F		2	RESISTOR, FIXED FILM 56.2K, 1%, 125MW (V59124) 705-3538-510 A6R27 A6R43		2
105	RK73H2BL5622F		2	RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640 A6R18 A6R282		2
107	CRCW120633R2FB		2	RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430 A6R14 A6R54		6
109	RK73H2BL2210F		2	RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESDS) (V80205) 705-3543-020 A6R17 A6R36 A6R38 A6R39 A6R67 A6R88 RESISTOR, FIXED, 237 OHM, 1W, 1% (V81349) 747-2183-370 A6R97		1
111	RMT73Z2B		2	MICROCIRCUIT, MODIFIED A6U128		1
113	RWR81S2370FR		2	MICROCIRCUIT		1
115	831-0037-001		3	MICROCIRCUIT (V66958) 351-6826-010 RESISTOR, NETWORK, 36 OHM, .25W, 2% (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC		2
- 117	351-6826-010		2	A6R35 A6R41 A6U35 A6U41 RESISTOR, NETWORK 10K, 2% (ESDS) (V11236) 833-5502-070 A6U2 A6U5 A6U8 A6U11 A6U37		5
119	SOMC160336R0GDC		2	MICROCIRCUIT (ESDS) (V11236) 833-5502-080 A6U1 A6U4 A6U7 A6U10		4
121	833-5502-070		2			
123	833-5502-080		2			

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
125	833-5502-140		2	RESISTOR, NETWORK, 62K OHM, .25W, 2% (V11236) 833-5502-140 A6U34 A6U43		2
127	833-5502-180		2	RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A6U33 A6U42		2
129	833-5502-190		2	RESISTOR, NETWORK, 270K OHM, .25W, 2% A6U36 A6U46 A6U36 A6U46		2
131	RK73Z2EL		2	RESISTOR, FIXED, 0 OHM (V59124) 833-6008-030 A6R92		1
133	834-0516-030		2	CAPACITOR, FIXED, 22UF, 60V (V7M138) 834-0516-030 PN IS REF NO FOR 678D226M060CG5DD444		1
135	TAJ0475K025H		2	CAPACITOR, FIXED 4.7UF, 10%, 25V (V04222) 834-2008-150 A6C100		1
137	TAJ0688K020H		2	CAPACITOR, FIXED 6.8UF, 10%, 20V (V04222) 834-2008-170 A6C50 A6C75 A6C142 A6C143		4
139	TAJD156K025H		2	CAPACITOR, FIXED 15UF, 10%, 25V (V04222) 834-2008-220 A6C53 A6C58 A6C59 A6C64 A6C65 A6C67		6
141	TAJ0105K050H		2	CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 A6C101 A6C115 A6C116 A6C117 A6C118 A6C119		6
143	834-5000-020		2	CAPACITOR, FIXED CER DIEL, .10UF, 10%, 100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L A6C124		1
145	12065C103KAT2A		2	CAPACITOR, FIXED 10.000PF, 10%, 50V (V04222) 834-5005-250 A6C8 A6C17 A6C25 A6C34 A6C36 A6C37 A6C78 A6C79 A6C80 A6C81 A6C82 A6C83 A6C84 A6C85 A6C86 A6C87 A6C88 A6C89 A6C90 A6C91 A6C92 A6C93 A6C94 A6C96 A6C97 A6C120 A6C121 A6C125 A6C126 A6C127 A6C128 A6C140 A6C141 A6C171 A6C203 A6C206 A6C210 A6C211 A6C212 A6C213 A6C214 A6C220 A6C222 A6C223 A6C237		45
147	C1206C104KSRAC		2	CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 A6C49 A6C202		2
149	LT1016		2	MICROCIRCUIT (V64155) 835-0048-010 A6U203 A6U204 A6U205 A6U208 A6U214		5
151	AD817AR		2	MICROCIRCUIT (V24355) 835-0371-010 A6U39 A6U40		2
153	835-1570-010		2	MICROCIRCUIT (V61722) 835-1570-010 A6U118		1
155	HCT74		2	MICROCIRCUIT (V01295) 835-3607-030 A6U16		1
157	CD74HC259M		2	MICROCIRCUIT (ESDS) (V81349) 835-3707-050 A6U108 A6U109		2
159	CD74AC374M		2	MICROCIRCUIT (ESDS) (V01295) 835-4507-030 A6U116		1
161	IDT7130SA70JI		2	MICROCIRCUIT (V61772) 835-5815-030 A6U104		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT		NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
			I	N				
163	MMBD301LT1		2		DIODE (V1M007) 844-0003-020 A6CR46 A6CR48 A6CR49 A6CR51 A6CR120 A6CR206 A6CR207 A6CR208 A6CR209 A6CR210 A6CR211 A6CR224 A6CR226 A6CR231 A6CR232 A6CR234 A6CR236 A6CR238 A6CR240 DIODE (V1M007) 844-0082-180 A6VR1 A6VR2 A6VR3 A6VR4 A6VR7 A6VR8 A6VR9 A6VR10 A6VR11 A6VR12 A6VR13 A6VR14 A6VR15 A6VR16 A6VR17 A6VR19 DIODE (V1M007) 844-0097-250 A6VR5 A6VR18 COLL. 15UH (V99800) 849-0025-270 A6L101 A6L102 A6L103 A6L104 COLL. 33UH (V99800) 849-0025-310 A6L5 A6L106 CAPACITOR, FIXED, .0022UF, 100V (V18796) 849-0512-010 PN IS REF NO FOR DSS9NC52A222055B A6FL1 BEAD, FERRITE (V34899) 852-1000-190 A6Z1 A6Z2 A6Z3 A6Z5 A6Z6 A6Z7 A6Z9 A6Z10 A6Z11 A6Z13 A6Z14 A6Z15 A6Z17 A6Z18 A6Z19 A6Z21 A6Z22 A6Z23 A6Z25 A6Z26 A6Z27 A6Z29 A6Z30 A6Z31 A6Z33 A6Z34 A6Z35 A6Z37 A6Z38 A6Z39 A6Z41 A6Z42 A6Z43 A6Z45 A6Z46 A6Z47 A6Z49 A6Z50 A6Z51 A6Z53 A6Z54 A6Z55 A6Z57 A6Z58 A6Z59 BEAD, FERRITE (V34899) 852-3002-010 A6Z4 A6Z8 A6Z16 A6Z20 A6Z24 A6Z28 A6Z36 A6Z40 A6Z44 A6Z48 A6Z52 A6Z56 COLL. 50UH (V00204) 852-3005-040 A6L7 CAPACITOR, FIXED CER, DIEL, 1000PF, 20%, 1000V (V81349) 913-1186-000 A6C122 CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V (V04222) 913-3667-030 A6C176 A6C228 CAPACITOR, FIXED CER DIEL, 27PF, 5%, 50V (V04222) 913-3667-080 A6C61 A6C209 CAPACITOR, FIXED CER DIEL, 39PF, 5%, 50V (V04222) 913-3667-090 A6C232 A6C233 A6C234 A6C235 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 A6C55 A6C60 A6C73 A6C236 CAPACITOR, FIXED CER DIEL, 470PF, 5%, 50V (V04222) 913-3667-230 A6C1 A6C2 A6C3 A6C4 A6C5 A6C6 A6C7 A6C9 A6C10 A6C11 A6C12 A6C13 A6C14 A6C15 A6C16 A6C18 A6C19 A6C20 A6C21 A6C22 A6C23 A6C24 A6C26 A6C27 A6C28	2		19
165	PSMSB36A		2				16	
167	1SMC36A		2				2	
169	1812-153K		2				4	
171	1812-333K		2				2	
173	849-0512-010		2				1	
175	2661000101		2				45	
177	2743019446L		2				12	
179	852-3005-040		2				1	
181	CK60AW102M		2				1	
183	08055A100JATBA		2				2	
185	08055A270JATBA		2				2	
187	08055A330JATBA		2				4	
189	08055A470JATBA		2				4	
191	08055A471JATBA		2				55	

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
12						
193	18055A152JATBA		2	A6C29 A6C30 A6C31 A6C32 A6C33 A6C35 A6C102 A6C103 A6C104 A6C105 A6C106 A6C107 A6C108 A6C109 A6C110 A6C111 A6C112 A6C113 A6C114 A6C129 A6C130 A6C131 A6C132 A6C133 A6C134 A6C135 A6C136 A6C137 A6C138 A6C139 CAPACITOR, FIXED CER DIEL 1500PF, 5%, 50V (V04222) 913-3667-370 A6C217 A6C218 CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V (V04222) 913-3667-470 A6C51 A6C52 A6C221 A6C241 RESISTOR, FIXED 33.2 OHM 1%, 0.063W (V59124) 705-2437-230 A6R26 A6R33 A6R40 A6R41 A6R42 A6R47 A6R49 A6R50 A6R51 A6R52 A6R59 A6R60 A6R69 A6R70 A6R72 A6R73 A6R74 A6R86 A6R107 A6R108 A6R109 A6R110 A6R111 A6R112 A6R113 A6R114 A6R115 A6R116 A6R119 A6R120 A6R121 A6R122 A6R123 A6R124 A6R125 A6R126 A6R127 A6R128 A6R129		2
195	08055A221JATBA		2	LABEL, INFORMATION (V0BU16) 280-3778-050 MICROCIRCUIT, MODIFIED A6U121 MICROCIRCUIT (VK7766) 351-3321-010 TRUE PN IS A42MX09-PL841 RESISTOR, FIXED FILM, 1.82K, 1%, 125MW (V59124) 705-3537-250 A6R317 A6R318 RESISTOR, FIXED FILM, 8.25K, 1%, 125MW (V59124) 705-3537-780 A6R227 A6R230		4
197	RK73H1JL39R2F		2			39
199	280-3778-050		2			1
201	831-7172-001		2			1
- 203	A42MX09PL841		3			1
205	RK73H2BL1821F		2			2
207	RK73H2BL8251F		2			2

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

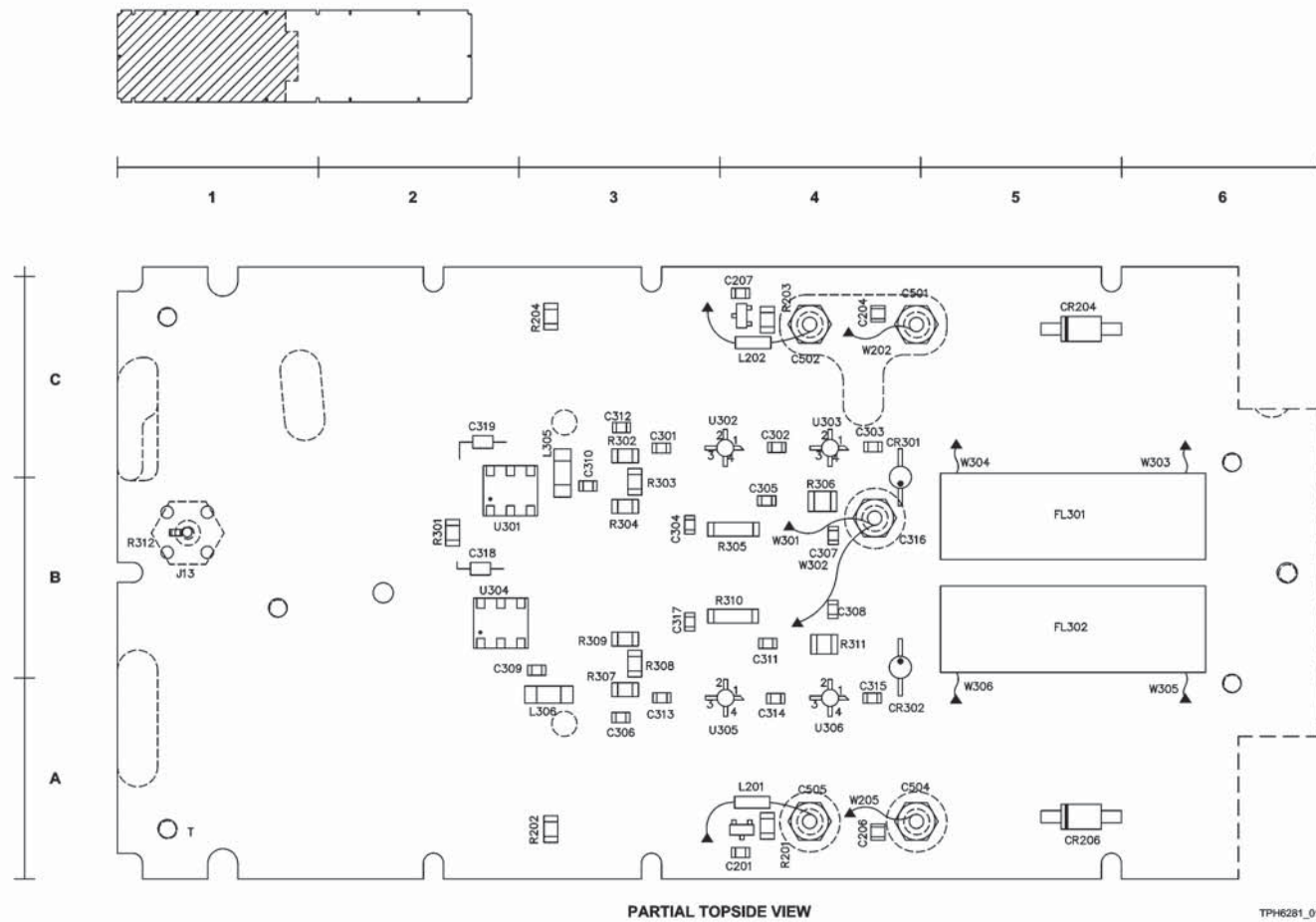
Figure 13. Power Amplifier Circuit Card A2 (CPN 687-0722-003)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C101	C-10	99	C303	C-4	91	CR301	C-4	119	R306	B-4	39
C102	B-10	103	C304	B-4	95	CR302	B-4	119	R307	B-3	57
C103	C-10	95	C305	B-4	95	FL301	B-5	85	R308	B-3	137
C104	C-10	99	C306	A-3	93	FL302	B-5	85	R309	B-3	57
C106	C-10	105	C307	B-4	95	J13	B-1	35	R310	B-3	51
C109	B-12	105	C308	B-4	95	L101	C-10	43	R311	B-4	39
C110	A-12	105	C309	B-2	93	L102	C-10	43	R312	B-1	157
C111	A-12	105	C310	B-3	93	L103	C-11	43	U101	B-8	75
C112	A-11	105	C311	B-4	95	L104	C-12	43	U301	B-2	87
C113	A-10	121	C312	C-3	93	L105	B-11	43	U302	C-4	37
C114	B-10	105	C313	A-3	91	L106	A-9	131	U303	C-4	77
C115	B-10	105	C314	A-4	91	L201	A-4	113	U304	B-2	87
C116	B-8	121	C315	A-4	91	L202	C-4	113	U305	A-4	37
C117	B-8	105	C316	B-5	89	L305	C-3	29	U306	A-4	77
C118	B-7	105	C317	B-3	95	L306	A-3	29			
C119	B-7	101	C318	B-3	129	Q101	B-10	81			
C120	B-7	105	C319	C-2	125	Q102	B-11	31			
C121	A-9	101	C401	C-10	89	Q103	A-11	5			
C122	A-8	101	C402	C-10	89	Q104	A-9	83			
C123	C-10	99	C403	C-11	89	Q105	B-8	79			
C124	C-12	99	C404	C-12	89	R101	A-9	55			
C125	C-12	99	C405	B-11	89	R102	A-9	55			
C126	C-12	95	C406	A-9	89	R103	A-8	55			
C127	B-11	99	C407	A-8	89	R104	A-8	55			
C128	B-11	95	C501	C-4	89	R105	C-10	45			
C129	A-10	97	C502	C-4	89	R106	C-11	53			
C130	B-12	109	C503	A-7	89	R107	C-11	41			
C132	A-8	115	C504	A-5	89	R110	A-10	111			
C133	B-8	123	C505	A-4	89	R201	A-4	49			
C201	A-4	91	C506	C-6	89	R202	A-3	49			
C203	C-7	99	CR101	C-11	117	R203	C-4	49			
C204	C-4	99	CR201	C-11	33	R204	C-3	49			
C205	A-8	99	CR203	C-7	107	R301	B-2	53			
C206	A-5	99	CR204	C-5	107	R302	C-3	57			
C207	C-4	91	CR205	A-7	107	R303	C-3	137			
C301	C-3	91	CR206	A-5	107	R304	B-3	57			
C302	C-4	91	CR207	B-4	33	R305	B-3	51			

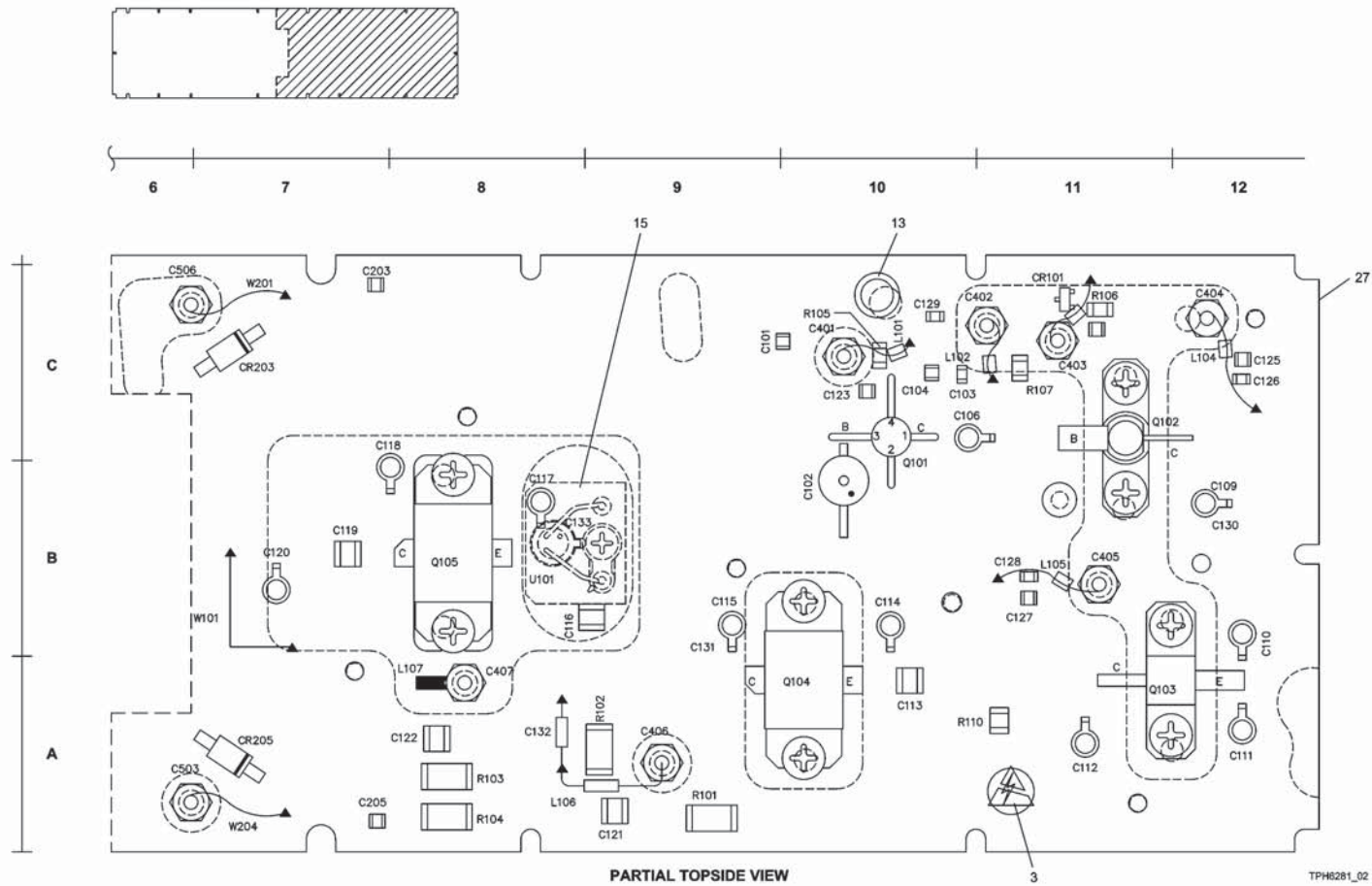
* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Power Amplifier Circuit Card A2 (CPN 687-0722-003)
 Figure 13 (Sheet 1 of 2) /GRAPHIC 34-50-96-99B-163-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Power Amplifier Circuit Card A2 (CPN 687-0722-003)
 Figure 13 (Sheet 2 of 2) /GRAPHIC 34-50-96-99B-163-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
13						
- 1	687-0722-003		1	CIRCUIT CARD, POWER AMPLIFIER (SEE FIG 2-25A FOR NHA)		RF
3	M39018-01-1161M		2	A2 LABEL, ESDS WARNING		1
5	SD1512-06		2	(V81349) 280-2745-040 TRANSISTOR (V08JAO) 843-0018-010 A2Q103		1
- 7	347-0006-000		2	--- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000		8
- 9	MS35338-135		2	WASHER, LOCK SST 0.115 ID X 0.209 OD (V96906) 310-0279-000		8
- 11	188-121-015		2	WASHER, FLAT, .121 ID, .188 OD, .015 (V85446) 846-1009-010 TRUE PN IS 188 121 015		8
13	307-1020-000		2	EYELET, FLANGE, ROLLED, .152, .158 (V23730) 307-1020-000		1
15	653-2269-001		2	PLATE, TERMINAL		1
- 17	343-0298-000		2	--- ATTACHING PARTS --- SCREW, PAN, 0.086-56, .187 (V1GP79) 343-0298-000		1
- 19	304-0014-000		2	TERMINAL, LUG (V20293) 304-0014-000		1
- 21	MS35333-103		2	PN IS REF NO FOR 304-0014-000 HOT DIP SOLDER WASHER, .093 ID, .189 OD (V96906) 373-3120-000		1
- 23	653-2269-002		3	PLATE, TERMINAL		1
- 25	860-0505-010		3	STANDOFF (V3N087) 860-0505-010		2
27	653-2271-001		2	PN IS REF NO FOR 2111-1-00-01-00-00-070		1
29	2510-00J		2	PLATE, BACKING COIL, .1UH (V99800) 240-0116-010		2
31	SRF3809		2	A2L305 A2L306 TRANSISTOR, RF (ESDS) (V04713) 352-1581-010 (EFF THRU REV L) A2Q102		1
- 31A	SD1802-01		2	TRANSISTOR (V08JAO) 843-1507-010 (EFF REV M THRU R)		1
- 31B	60159		2	TRANSISTOR (V0PJR2) 843-1507-020 (EFF REV T) (NON-PREFERRED)		1
- 31C	SD1802-01		2	TRANSISTOR (V08JAO) 843-1507-010 (EFF REV T) (PREFERRED)		1
33	BAS70-06		2	DIODE (V12954) 353-8136-030 (EFF THRU REV J) A2CR201 A2CR207		2
- 33A	BAS70-05		2	DIODE (V12954) 353-8136-020 (EFF REV K)		2
35	3009-1511-005		2	CONNECTOR, ELECTRICAL (ESDS) (V19505) 357-7195-010 A2J13		1
37	A03		2	MICROCIRCUIT (ESDS) (VK7766) 835-0057-030 A2U302 A2U305		2

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
13						
39	RK73B2EIBD511J		2	RESISTOR, FIXED, 510 OHM, .25W, 5% (V59124) 705-3541-420		2
41	RK73H2BL2211F		2	A2R306 A2R311 RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330		1
43	W2298		2	A2R107 COIL (V02113) 628-5632-001 A2L101 A2L102 A2L103 A2L104 A2L105 RESISTOR, FIXED FILM, 47.5 OHMS, 1%, 125MW (V59124) 705-3539-790		5
45	RK73H2BL47R5F		2	A2R105 RESISTOR, FIXED FILM, 51.1 OHMS, 1%, 0.4W (V59124) 705-3539-820		1
49	RK73H2BL51R11F		2	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		4
51	833-6524-720		2	A2R101 A2R102 A2R103 A2R104 RESISTOR, FIXED, 200 OHM, .6W, 1% (V91637) 833-6524-720 PN IS REF NO FOR RCWP7225200RFB A2R305 A2R310 RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100		2
53	RK73H2BL1000F		2	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		2
55	RK73B3AL200J		2	A2R101 A2R102 A2R103 A2R104 RESISTOR, TEST SELECT A2R302 A2R304 A2R307 A2R309 RESISTOR, FIXED FILM, 115 OHMS, 1%, 125MW (V59124) 705-3540-160		4
57	653-0030-003		2	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		4
59	RK73H2BL1150F		3	A2R101 A2R102 A2R103 A2R104 RESISTOR, TEST SELECT A2R302 A2R304 A2R307 A2R309 RESISTOR, FIXED FILM, 115 OHMS, 1%, 125MW (V59124) 705-3540-210		AR
61	RK73H2BL1300F		3	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		AR
63	RK73H2BL1500F		3	A2R101 A2R102 A2R103 A2R104 RESISTOR, TEST SELECT A2R302 A2R304 A2R307 A2R309 RESISTOR, FIXED FILM, 115 OHMS, 1%, 125MW (V59124) 705-3540-270		AR
65	RK73H2BL2210F		3	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		AR
67	RK73H2BL1820F		3	A2R101 A2R102 A2R103 A2R104 RESISTOR, TEST SELECT A2R302 A2R304 A2R307 A2R309 RESISTOR, FIXED FILM, 115 OHMS, 1%, 125MW (V59124) 705-3540-430		AR
69	RK73H2BL1000F		3	A2R106 A2R301 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040		AR
71	CRCW12064320F		3	(V59124) 705-3540-100 RESISTOR, FIXED FILM, 432 OHMS, 1%, 0.4W (V56845) 705-3535-690		AR
73	CRCW12063010F		3	(V59124) 705-3540-100 RESISTOR, FIXED FILM, 432 OHMS, 1%, 0.4W (V56845) 705-3535-690		AR
75	LM235AH		2	RESISTOR, FIXED FILM, 301 OHMS, 1%, 125MW (V56845) 705-3535-550		AR
77	A06		2	MICROCIRCUIT (V27014) 835-0016-010		1
79	MRF10500		2	MICROCIRCUIT (VK7766) 835-0057-040 A2U303 A2U306		2
- 79A	843-0023-040		2	TRANSISTOR (V04713) 843-0023-020 (EFF THRU REV F)		1
- 79B	MRF10502		2	A2Q105 TRANSISTOR (EFF REV G THRU R) TRANSISTOR (V04713) 843-0023-030 (EFF REV T)		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENTIFICATION			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
			I	N	T				
13									
81	MRF2369		2			TRANSISTOR (V04713) 843-0017-010 TRUE PN IS (MRF)2369 A2Q101 TRANSISTOR (V04713) 843-0019-010 A2Q104 FILTER, CERAMIC (V76978) 849-0510-010 A2FL301 A2FL302 MICROCIRCUIT (V15542) 850-0001-020 TRUE PN IS RMS-5 (EFF THRU REV N) A2U301 A2U304 MICROCIRCUIT (V15542) 850-0001-020 TRUE PN IS RMS-5 (EFF THRU REV N) A2U301 A2U304 MICROCIRCUIT (V15542) 850-0001-020 TRUE PN IS RMS-5 (EFF THRU REV N) (NON-PREFERRED) MICROCIRCUIT (V15542) 850-0001-060 TRUE PN IS RMS-860 (EFF REV P) (PREFERRED) A2U301 A2U304 CAPACITOR, FIXED CER DIEL 100PF, 20%, 100V (V33095) 913-1128-010 A2C316 A2C401 A2C402 A2C403 A2C404 A2C405 A2C406 A2C407 A2C501 A2C502 A2C503 A2C504 A2C505 A2C506 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 A2314 A2C201 A2C207 A2C301 A2C302 A2C303 A2C313 A2C314 A2C315 CAPACITOR, FIXED CER DIEL 24PF, 5%, 100V (V04222) 913-3669-050 A2C306 A2C309 A2C310 A2C312 CAPACITOR, FIXED CER 1,000PF, 10%, 50V (V04222) 913-3670-120 A2C103 A2C126 A2C128 A2C304 A2C305 A2C307 A2C308 A2C311 A2C317 CAPACITOR, FIXED CER DIEL 0.1UF, 20%, 50V (V18796) 913-3676-130 PN IS REF NO FOR GRM319E41H104MA15B A2C129 CAPACITOR, FIXED CER DIEL 51PF, 5%, 50V (V04222) 914-3500-300 A2C101 A2C104 A2C123 A2C124 A2C125 A2C127 A2C203 A2C204 A2C205 A2C206 CAPACITOR, FIXED, 33PF, 500V (V04222) 914-3503-390 A2C119 A2C121 A2C122 CAPACITOR, VAR CER DIEL, 1-4.5PF, 250VDC (V91293) 917-0501-120 A2C102 CAPACITOR, VARIABLE 0.6 TO 4.5PF 500V (V52769) 922-0596-140 A2C106 A2C109 A2C110 A2C111 A2C112 A2C114 A2C115 A2C117 A2C118 A2C120	1		
85	SRF4037		2						
87	KFF6138A		2						
87	RMS5		2						
- 87A	RMS5		2						
- 87B	RMS860		2						
89	54-713-063		2						
91	08055A470JATBA		2						
93	08051A240JATMN		2						
95	08055C102KATBA		2						
97	913-3676-130		2						
99	AQ12EM510JAJBE		2						
101	CDR14BG330EJUR		2						
103	9610-3LSL		2						
105	GWV4R551		2						

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	QTY	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
13						
107	UM9830		2	DIODE (V12969) 922-6151-010 (EFF THRU REV T) A2CR203 A2CR204 A2CR205 A2CR206		4
- 107A	MA4P7104B		2	DIODE (V96341) 922-6151-040 (EFF REV U)		4
109	AQ12EM5R6BAUBE		2	CAPACITOR, FIXED CER DIEL 5.6PF, PORM 0.1PF, 50V (V04222) 914-3500-090		1
111	RK73B2ELBD470J		2	A2C130 RESISTOR, FIXED, 47 OHM, .25W, 5% (V59124) 705-3541-170		1
113	MS75083-1		2	A2R110 COIL, RF, 0.100UH (V96906) 240-2723-140 (ADDED BY REV D) A2L201 A2L202		2
115	CK05BX562K		2	CAPACITOR, FIXED, .0056UF, 100V (V04222) 913-5019-170 (EFF THRU REV H)		1
- 115A	CK05BX103K		2	A2C132 CAPACITOR, FIXED CER DIEL, 0.01UF, 10%, 100VDC (V81349) 913-5019-200 (EFF REV J)		1
117	MMBD6050		2	DIODE (V1M007) 353-8135-010		1
119	844-0033-010		2	A2CR101 DIODE		2
121	CDR14BGG31CJUR		2	A2CR301 A2CR302 CAPACITOR, FIXED 330PF, 5%, 200V (V04222) 914-3503-670		2
123	AQ12EM5R6BAUBE		2	A2C113 A2C116 CAPACITOR, FIXED CER DIEL 5.6PF, PORM 0.1PF, 50V (V04222) 914-3500-090 (EFF THRU REV C)		1
- 123A	AQ12EM7R5BAUBE		2	A2C133 CAPACITOR, FIXED, 7.5PF, 150V (V04222) 914-3500-110 (EFF REV D)		1
125	SR201A102JAA		2	CAPACITOR, FIXED CER DIEL 1000PF, 5%, 100V (VK7766) 913-3281-270		1
127	AQ12EM5R6BAUBE		2	A2C319 CAPACITOR, FIXED CER DIEL 5.6PF, PORM 0.1PF, 50V (V04222) 914-3500-090 (DELETED BY REV D)		1
129	SR201A102JAA		2	A2C131 CAPACITOR, FIXED CER DIEL 1000PF, 5%, 100V (VK7766) 913-3281-270 (ADDED BY REV N)		1
131	MS75083-1		2	A2C318 COIL, RF, 0.100UH (V96906) 240-2723-140		1
133	RK73B3AL200J		2	A2L106 RESISTOR, FIXED, 20 OHM, 1W, 5% (V59124) 833-6009-040 (ADDED BY REV K)		2
137	653-0030-002		2	A2R108 A2R109 RESISTOR, TEST SELECT		2
- 139	RK73H2BL11R0F		3	A2R303 A2R308 RESISTOR, FIXED, 11 OHM, .25W, 1% (V59124) 705-3539-180		AR

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
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TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
13						
- 141	RK73H2BL18R2F		3	RESISTOR, FIXED FILM 18.2 OHMS, 1%, 125MW (V59124) 705-3539-390		AR
- 143	RK73H2BL24R3F		3	RESISTOR, FIXED FILM 24.3 OHMS, 1%, 125MW (V59124) 705-3539-510		AR
- 145	RK73H2BL30R1F		3	RESISTOR, FIXED FILM, 30.1 OHMS, 1%, 125MW (V59124) 705-3539-600		AR
- 147	RK73H2BL43R2F		3	RESISTOR, FIXED FILM, 43.2 OHMS, 1%, 0.4W (V59124) 705-3539-750		AR
- 149	RK73H2BL61R9F		3	RESISTOR, FIXED 61.9 OHM, 1%, 0.025W (V59124) 705-3539-900		AR
- 151	RK73Z2BL		3	RESISTOR, FIXED FILM, .05 OHM, .2 AMP (V59124) 833-6008-020		AR
- 153	RK73H2BL35R7F		3	RESISTOR, FIXED, .35.7 OHM, .25W, 1% (V59124) 705-3539-670		AR
- 155	RK73H2BL51R1F		3	RESISTOR, FIXED FILM, 51.1 OHMS, 1%, 0.4W (V59124) 705-3539-820		AR
157	RK73H2BL1000F		2	RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100 (ADDED BY REV N) A2R312		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 14. Modulator Circuit Card A3 (CPN 687-0723-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C101	C-2	21	C207	C-8*	231	C250	A-6*	231	L201	B-1*	29
C102	C-2	197	C208	C-1*	197	C251	B-7*	231	L202	B-1*	29
C103	C-2	27	C209	C-1*	223	C252	A-1*	27	L203	B-1*	29
C104	C-2	231	C210	C-2*	231	C253	A-1*	195	L204	A-1*	29
C105	C-3	231	C211	C-2*	231	C254	A-1*	195	L205	A-2*	29
C106	C-3	197	C212	C-2*	193	C255	A-7*	231	L206	A-2*	29
C107	C-3	231	C213	C-4*	225	C256	A-9*	231	L207	A-2*	29
C108	C-3	197	C215	C-4*	197	C257	A-9*	197	L208	A-1*	29
C109	C-4	231	C216	C-4*	201	C258	A-9*	231	L209	A-1*	29
C110	C-5	5	C217	C-5*	197	C259	A-9*	197	L210	A-2*	29
C111	B-5	169	C218	C-6*	197	C260	A-1*	195	L211	A-2*	29
C112	C-9	197	C219	C-6*	231	C261	A-1*	195	L212	A-2*	29
C113	C-9	197	C220	C-6*	231	C263	A-4*	197	L213	B-2*	189
C114	C-9	231	C221	C-6*	231	C264	A-7*	217	L214	B-1*	189
C115	B-2	7	C222	C-9*	231	C265	A-7*	227	L215	B-2*	189
C116	B-4	233	C223	C-9*	197	C266	C-7*	227	L216	A-2*	189
C117	B-9	231	C224	C-9*	197	CR101	A-5	187	L217	A-1*	189
C118	B-8	233	C225	C-9*	231	CR102	B-9	187	L218	A-2*	189
C119	B-8	231	C226	C-1*	195	CR202	C-6*	187	L219	A-2*	189
C120	B-3	231	C227	B-1*	195	CR203	C-7*	67	L220	A-2*	189
C121	A-3	231	C228	B-2*	219	CR204	C-8*	187	L221	A-1*	189
C122	A-3	23	C233	B-1*	195	CR205	C-8*	187	L222	A-2*	189
C123	A-5	197	C234	B-1*	195	CR206	C-4*	187	L223	A-2*	189
C124	A-6	169	C235	B-1*	195	CR207	B-4*	187	Q101	C-3	59
C125	B-9	231	C236	B-1*	195	CR208	B-4*	187	Q102	C-4	177
C126	B-9	221	C237	B-1*	195	CR209	B-5*	69	Q103	C-9	53
C127	B-10	229	C238	B-2*	197	CR210	B-9*	63	Q104	C-9	51
C128	A-9	197	C240	A-5*	191	CR211	B-3*	187	Q105	B-3	51
C129	A-9	197	C241	B-4*	197	CR212	B-4*	65	Q106	B-5	55
C130	A-9	197	C242	B-4*	197	CR214	A-4*	69	Q107	B-2	53
C131	B-9	25	C243	B-6*	231	CR215	A-5*	187	Q108	A-9	51
C132	B-9	235	C244	B-1*	195	CR216	A-4*	187	Q109	A-9	53
C201	C-1*	197	C245	B-1*	195	CR218	A-6*	187	Q110	B-9	49
C202	C-2*	197	C246	B-1*	195	CR219	A-7*	67	Q111	C-2	185
C203	C-2*	197	C247	B-1*	195	CR220	A-9*	187	Q201	C-1*	179
C205	C-3*	197	C248	A-4*	199	CR221	A-9*	187	Q202	C-2*	59
C206	C-7*	217	C249	A-6*	231	L101	A-5	75	Q203	C-7*	57

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
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Figure 14. Modulator Circuit Card A3 (CPN 687-0723-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
Q204	C-8*	185	R126	A-9	131	R232	C-2*	101	R273	B-6*	77
Q205	C-8*	185	R127	A-9	129	R233	B-2*	155	R274	B-6*	137
Q206	C-5*	185	R128	A-9	81	R234	B-2*	141	R275	A-9*	89
Q207	B-5*	61	R129	B-9	101	R235	B-3*	95	R276	B-3*	83
Q208	B-8*	57	R130	B-9	105	R236	B-4*	109	R279	A-4*	149
Q211	B-2*	181	R131	C-2	163	R237	B-5*	239	R281	A-4*	159
Q212	B-2*	185	R132	C-3	83	R238	B-5*	147	R282	A-4*	91
Q215	A-5*	57	R201	C-1*	139	R239	B-6*	137	R283	A-5*	83
Q216	A-4*	183	R202	C-2*	83	R242	B-8*	83	R284	A-6*	147
Q217	A-8*	185	R203	C-2*	109	R243	B-8*	79	R285	A-7*	149
Q218	A-8*	185	R204	C-3*	83	R246	B-9*	89	R286	A-7*	77
Q219	A-7*	57	R205	C-4*	101	R247	B-9*	83	R287	A-7*	119
R101	C-2	73	R206	C-4*	79	R248	B-4*	147	R288	A-7*	119
R102	C-3	129	R207	C-4*	83	R249	B-5*	147	R289	A-7*	83
R103	C-3	113	R208	C-5*	83	R250	B-5*	239	R290	A-8*	127
R104	C-9	129	R209	C-6*	77	R251	B-5*	83	R291	A-8*	83
R105	C-9	81	R210	C-7*	77	R252	B-5*	99	R292	A-8*	161
R106	C-9	77	R211	C-7*	119	R253	B-6*	107	R293	A-9*	143
R107	C-9	131	R212	C-7*	83	R254	B-6*	125	R294	A-9*	147
R108	C-9	137	R213	C-8*	83	R255	B-2*	93	R295	A-4*	237
R109	B-4	73	R214	C-8*	147	R256	B-2*	83	R296	C-5*	141
R110	A-5	167	R215	C-9*	143	R257	B-3*	83	R297	C-4*	241
R111	B-9	115	R216	C-2*	87	R258	B-3*	149	TP101	C-3	31
R112	B-9	153	R217	C-2*	145	R259	B-3*	145	TP102	C-3	31
R113	B-9	85	R218	C-2*	97	R260	B-4*	125	TP103	C-4	31
R114	B-9	121	R219	C-3*	103	R261	B-6*	113	TP104	C-4	31
R115	B-8	133	R221	C-4*	157	R262	B-6*	125	TP105	C-7	31
R116	B-8	111	R222	C-5*	141	R263	B-6*	117	TP106	C-8	31
R117	B-9	115	R223	C-6*	77	R264	B-2*	111	TP107	B-3	31
R118	B-9	79	R224	C-6*	123	R265	B-2*	83	TP108	B-6	31
R119	B-9	113	R225	C-6*	77	R266	B-2*	135	TP109	B-7	31
R120	B-9	127	R226	C-6*	77	R267	B-4*	87	TP110	B-8	31
R121	B-9	115	R227	C-6*	147	R268	A-5*	151	TP111	B-7	31
R122	A-9	85	R228	C-7*	149	R269	B-6*	83	TP112	B-2	31
R123	A-4	165	R229	C-7*	119	R270	A-6*	83	TP113	B-2	31
R124	A-9	137	R230	C-8*	127	R271	A-6*	99	TP114	B-3	31
R125	A-9	77	R231	B-8*	161	R272	A-6*	113	TP115	B-3	31

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
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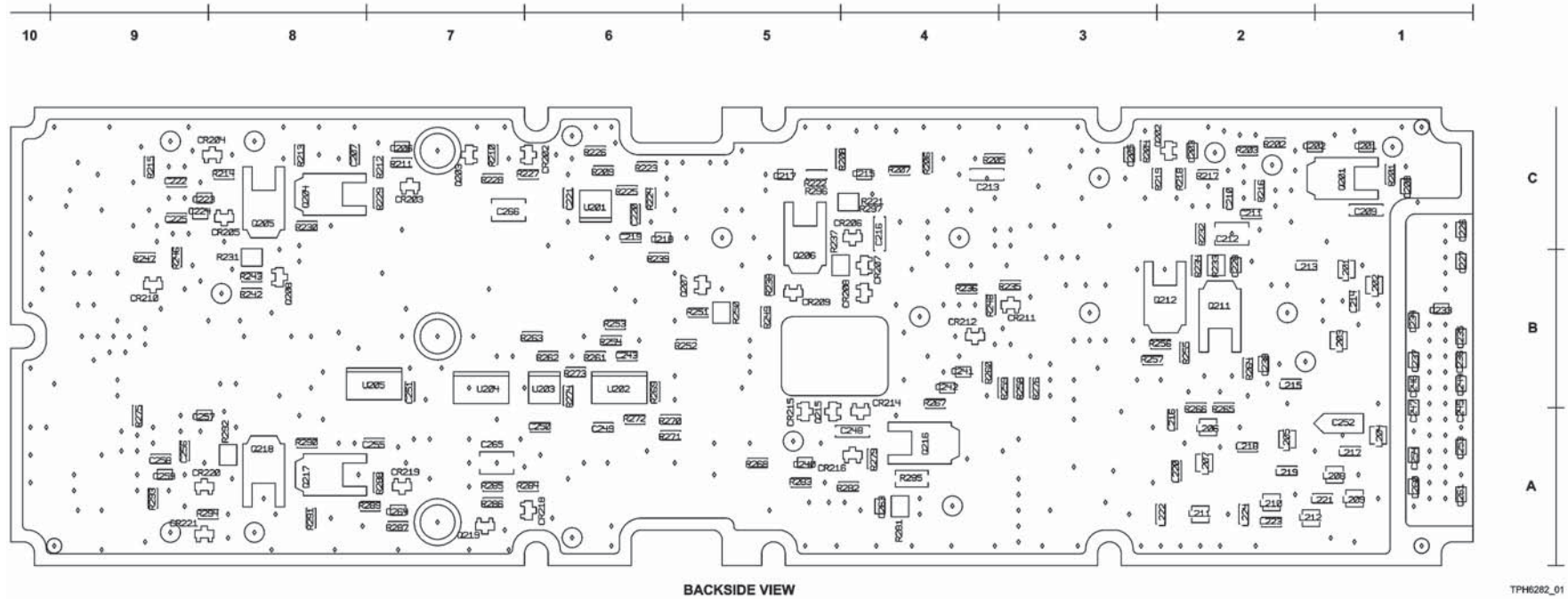
Figure 14. Modulator Circuit Card A3 (CPN 687-0723-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
TP116	A-5	31									
TP117	A-8	31									
TP118	A-8	31									
U101	C-2	33									
U102	C-3	43									
U103	C-3	175									
U104	C-9	171									
U105	C-9	41									
U106	B-9	47									
U107	B-4	33									
U108	B-9	35									
U109	A-3	41									
U110	A-3	45									
U111	B-9	173									
U112	A-9	171									
U201	C-6*	37									
U202	B-6*	39									
U203	B-6*	171									
U204	B-7*	47									
U205	B-7*	47									

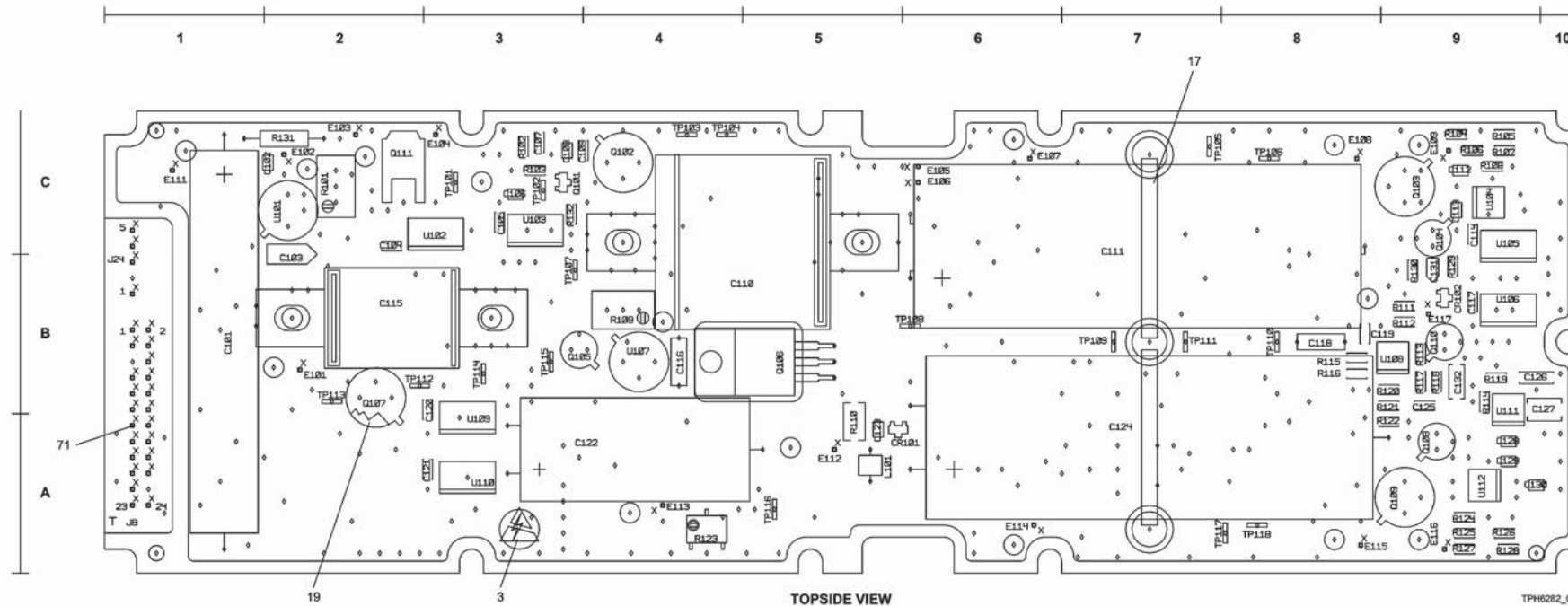
* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352



Modulator Circuit Card A3 (CPN 687-0723-004)
Figure 14 (Sheet 1 of 2) /GRAPHIC 34-50-96-99B-164-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Modulator Circuit Card A3 (CPN 687-0723-004)
 Figure 14 (Sheet 2 of 2) /GRAPHIC 34-50-96-99B-164-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14						
- 1	687-0723-004		1	CIRCUIT CARD, MODULATOR (SEE FIG 2-17 FOR NHA) A3		RF
3	M39018-01-1161M		2	LABEL, ESDS WARNING V81349) 280-2745-040		1
5	5MC9472J		2	CAPACITOR, FIXED, 10PF, 100V V50558) 933-0253-070		1
7	5MC9473K		2	A3C110 CAPACITOR, FIXED, 10PF, 50V V50558) 933-0253-090 A3C115		1
- 9	MS51957-13		2	--- ATTACHING PARTS --- SCREW, MACHINE STL 4-40 X 1/4 V96906) 343-0133-000 (AP FOR ITEM 5 THRU 7) WASHER, FLAT CRES 0-125 ID X 0.250 OD V96906) 310-0779-030 (AP FOR ITEM 5 THRU 7) WASHER, LOCK SST 0.115 ID X 0.209 OD V96906) 310-0279-000 (AP FOR ITEM 5 THRU 7) NUT, PLAIN HEXAGON CD PL STL 0.112-40 V80205) 313-0132-000 (AP FOR ITEM 5 THRU 7) -----		2
- 11	MS15795-803		2	CLAMP, LOOP V96906) 435-1141-000 INSULATOR, DISK V13103) 352-9552-110 CAPACITOR, FIXED, 150UF, 50V V0P569) 183-1277-010 A3C101		2
- 13	MS35338-135		2	CAPACITOR, FIXED, 120UF, 100V V0P569) 183-1504-430 A3C122		1
- 15	NAS671C4		2	CAPACITOR, FIXED TINTLM 1.5UF, 20%, 25V V56289) 184-2551-170 A3C131		1
17	MS3367-2-9		2	CAPACITOR, FIXED, 1UF, 50V V56289) 184-2551-290 A3C103 A3C252		2
19	7717-22DAP		2	COIL, RF, 100UH, PM10% V03550) 849-0020-130 A3L201 A3L202 A3L203 A3L204 A3L205 A3L206 A3L207 A3L208 A3L209 A3L210 A3L211 A3L212		12
21	600D157G050DL5		2	TERMINAL, TEST POINT V79963) 306-2721-010		18
23	672D561		2	A3TP101 A3TP102 A3TP103 A3TP104 A3TP105 A3TP106 A3TP107 A3TP108 A3TP109 A3TP110 A3TP111 A3TP112 A3TP113 A3TP114 A3TP115 A3TP116 A3TP117 A3TP118		2
25	195D155X0025S2		2	MICROCIRCUIT, LINEAR (ESDS) V64155) 351-1271-020 A3U101 A3U107		1
27	195D105X0050X2		2	MICROCIRCUIT (ESDS) V27014) 351-1278-020 A3U108		1
29	30012NT		2	MICROCIRCUIT (ESDS) V01295) 351-1392-180 A3U201		1
31	008-0096-14		2	MICROCIRCUIT (ESDS) V01295) 351-1392-190 A3U202		1
33	LM117H		2			
35	LM2903M		2			
37	TL082ID		2			
39	TL084ID		2			

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14						
41	SN74HC00D		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-010 A3U105 A3U109		2
43	CD74HC20M		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-070 A3U102		1
45	SN74HC32D		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-100 A3U110		1
47	CD74HC74M		2	MICROCIRCUIT (ESDS) (V01295) 351-3706-070 A3U106 A3U204 A3U205		3
49	2N2907A		2	TRANSISTOR (V81349) 352-0551-010 A3Q110		1
51	2N3700		2	TRANSISTOR (V81349) 352-0734-020 A3Q104 A3Q105 A3Q108		3
53	2N6660		2	TRANSISTOR (V81349) 352-1159-010 A3Q103 A3Q107 A3Q109		3
55	IRF540N		2	TRANSISTOR (V59993) 352-7904-080 (EFF THRU REV J) A3Q106		1
- 55A	IRF540		2	TRANSISTOR (V81483) 352-7904-070 (EFF REV K)		1
57	PMBT2222A		2	TRANSISTOR (ESDS) (V18324) 352-9113-010 A3Q203 A3Q208 A3Q215 A3Q219		4
59	PMBT2907TR		2	TRANSISTOR (V18324) 352-9114-010 TRUE PN IS PMBT2907TR		2
61	MMBT5401LT1		2	A3Q101 A3Q202 TRANSISTOR (ESDS) (V1MQ07) 352-9125-010 A3Q207		1
63	MMBZ5230BLT1		2	DIODE (ESDS) (V1MQ07) 353-8133-050 A3CR210		1
65	MMBZ5237BLT1		2	DIODE (ESDS) (V1MQ07) 353-8133-120 A3CR212		1
67	MMBZ5248BLT1		2	DIODE (ESDS) (V1MQ07) 353-8133-230 A3CR203 A3CR219		2
69	MMBD914LT		2	DIODE (V1MQ07) 353-8135-040 A3CR209 A3CR214		2
71	NA1104-045		2	CONTACT, ELECTRICAL (V57863) 372-2601-045 RESISTOR, VARIABLE NONWIRE-WOUND 10K, 10%, 1/2W (V81349) 380-1080-270 A3R101 A3R109		42
73	RJ24CW103		2			2
75	T4466		2	COIL (VOEUG1) 628-5266-001 A3L101		1
77	CRCW12061002F		2	RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020 A3R106 A3R125 A3R209 A3R210 A3R223 A3R225 A3R226 A3R273 A3R286 RESISTOR, FIXED FILM, 6.81K, 1%, 125MW (V56845) 705-3535-160 PN IS REF NO FOR CRCW12066K81FKTB A3R118 A3R206 A3R243		9
79	705-3535-160		2			3

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14			1			
81	CRCW12063011F		2	RESISTOR, FIXED FILM, 3.01K, 1%, 0.4W (V56845) 705-3535-190 A3R105 A3R128		2
83	CRCW12061001F		2	RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200		19
85	CRCW12069090F		2	A3R132 A3R202 A3R204 A3R207 A3R208 A3R212 A3R213 A3R242 A3R247 A3R251 A3R256 A3R257 A3R265 A3R269 A3R270 A3R276 A3R283 A3R289 A3R291 RESISTOR, FIXED 909 OHMS, 1%, 125MW (V56845) 705-3535-210 A3R113 A3R122		2
87	CRCW12062430F		2	RESISTOR, FIXED 243 OHM, 1%, 0.25W (V56845) 705-3535-230 A3R216 A3R267		2
89	CRCW12063921F		2	RESISTOR, FIXED FILM, 3.32K, 1%, 125MW (V56845) 705-3535-300 A3R246 A3R275		2
91	CRCW12063010F		2	RESISTOR, FIXED FILM, 301 OHMS, 1%, 125MW (V56845) 705-3535-550 A3R282		1
93	CRCW12063920F		2	RESISTOR, FIXED FILM, 392 OHMS, 1%, 125MW (V56845) 705-3535-590 A3R255		1
95	CRCW12063920F		2	RESISTOR, FIXED FILM 392 OHMS, 1%, 125MW (V56845) 705-3535-660 A3R235		1
97	CRCW12064750F		2	RESISTOR, FIXED FILM, 475 OHMS, 1%, 125MW (V56845) 705-3535-730 A3R218		1
99	CRCW12065110F		2	RESISTOR, FIXED FILM, 511 OHMS, 1%, 125MW (V56845) 705-3535-760 A3R252 A3R271		2
101	CRCW12065620F		2	RESISTOR, FIXED 562 OHMS, 1%, 125MW (V56845) 705-3535-800 A3R129 A3R205 A3R232		3
103	CRCW12066810F		2	RESISTOR, FIXED FILM, 681 OHMS, 1%, 125MW (V56845) 705-3535-870 A3R219		1
105	CRCW12067500F		2	RESISTOR, FIXED, 750 OHM, .25W, 1% (V56845) 705-3535-910 A3R130		1
107	RK73H2BL1211F		2	RESISTOR, FIXED FILM, 1.21K, 1%, 0.025W (V59124) 705-3537-080 A3R253		1
109	RK73H2BL1621F		2	RESISTOR, FIXED FILM, 1.62K, 1%, 125MW (V59124) 705-3537-200 A3R203 A3R236		2
111	RK73H2BL1821F		2	RESISTOR, FIXED FILM, 1.82K, 1%, 125MW (V59124) 705-3537-250 A3R116 A3R264		2
113	RK73H2BL2001F		2	RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290 A3R103 A3R119 A3R261 A3R272		4
115	RK73H2BL2211F		2	RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330 A3R111 A3R117 A3R121		3
117	RK73H2BL3921F		2	RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530 A3R263		1

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14						
119	RK73H2BL4751F		2	RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600		4
121	RK73H2BL5621F		2	A3R21 A3R229 A3R287 A3R288 RESISTOR, FIXED FILM, 5.62K, 1%, 0.4W (V59124) 705-3537-660		1
123	RK73H2BL6191F		2	A3R114 RESISTOR, FIXED FILM, 6.19K, 1%, 125MW (V59124) 705-3537-690		1
125	RK73H2BL8251F		2	A3R224 RESISTOR, FIXED FILM, 8.25K, 1%, 125MW (V59124) 705-3537-780		3
127	RK73H2BL1822F		2	A3R254 A3R260 A3R262 RESISTOR, FIXED FILM, 18.2K, 1%, 125MW (V59124) 705-3538-080		3
129	RK73H2BL2212F		2	A3R120 A3R230 A3R290 RESISTOR, FIXED 22.1K, 1%, 0.25W (V59124) 705-3538-140		3
131	RK73H2BL2432F		2	A3R102 A3R104 A3R127 RESISTOR, FIXED FILM, 24.3K, 1%, 125MW (V59124) 705-3538-180		2
133	RK73H2BL3012F		2	A3R107 A3R126 RESISTOR, FIXED FILM, 30.1K, 1%, 0.25W (V59124) 705-3538-270		1
135	RK73H2BL3322F		2	A3R115 RESISTOR, FIXED 33.2K, 1%, 125MW (V59124) 705-3538-310		1
137	RK73H2BL2213F		2	A3R266 RESISTOR, FIXED FILM 221K, 1%, 125MW (V59124) 705-3539-020		4
139	RK73H2BL22R1F		2	A3R108 A3R124 A3R239 A3R274 RESISTOR, FIXED 22.1 OHM, 1%, 0.25W (V59124) 705-3539-470		1
141	CRCW120633R2FB		2	A3R201 RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640		3
143	RK73H2BL61F9F		2	A3R222 A3R234 A3R296 RESISTOR, FIXED 61.9 OHM, 1%, 0.025W (V59124) 705-3539-900		2
145	CRCW120668R1FB		2	A3R215 A3R293 RESISTOR, FIXED FILM, 68.1 OHMS, 1%, 125MW (V56845) 705-3539-940		2
147	RK73H2BL1000F		2	A3R217 A3R259 RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100		7
149	RK73H2BL2000F		2	A3R214 A3R227 A3R238 A3R248 A3R249 RESISTOR, FIXED 200 OHM, 1%, 0.025W (V59124) 705-3540-390		4
151	RK73H2BL2210F		2	A3R228 A3R258 A3R279 A3R285 RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430		1
153	RK73H2BL9093F		2	A3R268 RESISTOR, FIXED FILM, 909K, 1%, 0.125W (V59124) 705-3540-950		1
155	RK73B2ELBD560J		2	A3R112 RESISTOR, FIXED, 56 OHM, .25W, 5% (V59124) 705-3541-190		1
157	RK73B2ELBD101J		2	A3R233 RESISTOR, FIXED, 100 OHM, .25W, 5% (V59124) 705-3541-250		1
159	RK73B2ELBD121J		2	A3R221 RESISTOR, FIXED, 120 OHM, .25W, 5% (V59124) 705-3541-270		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14						
161	RK73B2BELBD112J		2	RESISTOR, FIXED, 1.1K OHM, .25W, 5% (V59124) 705-3541-500 A3R231 A3R292		2
163	745-0771-000		2	RESISTOR, FIXED, 4.3K OHM, .25W, 5% (EFF THRU REV D)		1
- 163A	RLR07C4321FR		2	A3R131 RESISTOR, FIXED, 4.32K OHM, .25W, 1% (V81349) 833-6048-780		1
165	3269W1-202		2	(EFF REV E) RESISTOR, VARIABLE, 2K OHM, .25W, 10% (V80294) 833-1004-050 TRUE PN IS 3269W-1-202		1
167	RK73B2HL620J		2	A3R123 RESISTOR, FIXED, .62 OHM, .5W, 5% (V59124) 833-6014-200		1
169	301AR102U100JP2		2	CAPACITOR, FIXED, 1000UF, 100V (V00853) 834-0505-010		2
171	LT1016		2	A3C111 A3C124 MICROCIRCUIT (V64155) 835-0048-010		3
173	REF02CS		2	A3U104 A3U112 A3U203 MICROCIRCUIT (V06665) 835-1001-010		1
175	7406		2	A3U111 MICROCIRCUIT (V01295) 835-1519-010		1
177	2N6661		2	A3U103 TRANSISTOR (V81349) 843-0008-010		1
179	MJD117		2	A3Q102 TRANSISTOR (V1M007) 843-0012-010		1
181	T8N06E		2	A3Q201 TRANSISTOR (V1M007) 843-0013-030 (EFF THRU REV C)		1
- 181A	NTD15N06V		2	A3Q211 TRANSISTOR (V1M007) 843-0013-070 (EFF REV D)		1
183	MTD6N10		2	TRANSISTOR (V1M007) 843-0013-020		1
185	IRFR9120		2	A3Q216 TRANSISTOR (ESDS) (V59993) 843-7017-010 A3Q111 A3Q204 A3Q205 A3Q206 A3Q212 A3Q217 A3Q218		7
187	MMBD701L		2	DIODE (V1M007) 844-0003-010 A3CR101 A3CR102 A3CR202 A3CR204 A3CR205 A3CR206 A3CR207 A3CR208 A3CR211 A3CR215 A3CR216 A3CR218 A3CR220 A3CR221		14
189	HF50ACB321611B		2	COIL, RF (V7J069) 852-3001-010 TRUE PN IS HF50ACB321611-B		12
191	0805A181JATBA		2	A3L213 A3L214 A3L215 A3L216 A3L217 A3L218 A3L219 A3L220 A3L221 A3L222 A3L223 A3L224		1
193	18125A562JATBA		2	CAPACITOR, FIXED CER DIEL, 180PF, 5%, 50V (V04222) 913-3667-180 A3C240 CAPACITOR, FIXED CER DIEL 5600PF, 5%, 50V (V04222) 913-3667-550 A3C212		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14						
195	08051A130JATMNM		2	CAPACITOR, FIXED CER DIEL, 13PF, 5%, (V04222) 913-3669-020 A3C226 A3C227 A3C233 A3C234 A3C235 A3C236 A3C237 A3C244 A3C245 A3C246 A3C247 A3C253 A3C254 A3C260 A3C261 CAPACITOR, FIXED CER DIEL, 100PF, 5%, 100V (V04222) 913-3669-130 A3C102 A3C105 A3C108 A3C112 A3C113 A3C123 A3C128 A3C129 A3C130 A3C201 A3C202 A3C203 A3C205 A3C208 A3C215 A3C217 A3C218 A3C223 A3C224 A3C238 A3C241 A3C242 A3C257 A3C259 A3C263 CAPACITOR, FIXED, 240PF, 100V (V04222) 913-3669-170 A3C248 CAPACITOR, FIXED, 910PF, 100V (V04222) 913-3669-240 (EFF THRU REV B) A3C216 CAPACITOR, TEST SELECT (EFF REVC) CAPACITOR, FIXED, 910PF, 100V (V04222) 913-3669-240 CAPACITOR, FIXED, 750PF, 100V (V04222) 913-3669-230 CAPACITOR, FIXED, 620PF, 100V (V04222) 913-3669-220 CAPACITOR, FIXED, 510PF, 100V (V04222) 913-3669-210 CAPACITOR, FIXED, 360PF, 100V (V04222) 913-3669-190 CAPACITOR, FIXED, 300PF, 100V (V04222) 913-3669-180 CAPACITOR, FIXED, 240PF, 100V (V04222) 913-3669-170 CAPACITOR, FIXED CER 1,000PF, 10%, 50V (V04222) 913-3670-120 A3C206 A3C264 CAPACITOR, FIXED CER, 3,300PF, 10%, 50V (V04222) 913-3670-180 A3C228 CAPACITOR, FIXED, .01UF, 50V (V04222) 913-3670-320 A3C126 CAPACITOR, FIXED, .015UF, 50V (V04222) 913-3670-390 A3C209 CAPACITOR, FIXED, .022UF, 50V (V04222) 913-3670-470 A3C213 CAPACITOR, FIXED, .12UF, 50V (V04222) 913-3670-700 PN IS REF NO FOR 18125C124MAT060L A3C265 A3C266 CAPACITOR, FIXED CER 0, 1UF, 10%, 50V (V04222) 913-3670-740 A3C127 CAPACITOR, FIXED CER DIEL 0, 1UF, 20%, 50V (V18796) 913-3676-130 PN IS REF NO FOR GRM319E41H104MA15B A3C104 A3C105 A3C107 A3C109 A3C114 A3C117 A3C119 A3C120 A3C121 A3C125 A3C207 A3C210 A3C211 A3C219 A3C220 A3C221 A3C222 A3C225 A3C243 A3C249 A3C250 A3C251 A3C255 A3C256 A3C258		
197	08051A111JATMNM		2			25
199	18051A241JATMNM		2			1
201	18081A911JATMNM		2			1
-201A	653-0063-001		2			1
-203	18081A911JATMNM		3			AR
-205	18081A751JATMNM		3			AR
-207	18081A621JATMNM		3			AR
-209	18081A511JATMNM		3			AR
-211	18081A361JATMNM		3			AR
-213	18051A301JATMNM		3			AR
-215	18051A241JATMNM		3			1
217	08055C102KATBA		2			2
219	08055C332KATBA		2			1
221	18055C103JATBA		2			1
223	18055C153JATBA		2			1
225	18055C223JATBA		2			1
227	913-3670-700		2			2
229	18125C104KATBA		2			1
231	913-3676-130		2			25

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	1 D E T	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
14 233	MDD21C104KAB		2	CAPACITOR, FIXED CER DIEL 0.1UF, 10%, 100VDC (V04222) 913-3325-750		2
235	18085C393JATBA		2	A3C116 A3C118 CAPACITOR, FIXED, .039UF, 50V (V04222) 913-3670-550		1
237	S1R000201JSA14		2	A3C132 RESISTOR, FIXED, 1 OHM, 2W, 5% (V26618) 833-6035-010 TRUE PN IS S1R000201JSA-14 (ADDED BY REV B)		1
239	RK73H2BL1210F		2	A3R295 RESISTOR, FIXED FILM, 121 OHMS, 1%, 125MW (V59124) 705-3540-180 (EFF THRU REV A)		2
- 239A	RK73H2BL1000F		2	A3R237 A3R250 RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100 (EFF THRU REV B)		2
- 239B	RK73B2ELBD101J		2	RESISTOR, FIXED, 100 OHM, .25W, 5% (V59124) 705-3541-250 (EFF REV C)		2
241	RK73B2ELBD101J		2	RESISTOR, FIXED, 100 OHM, .25W, 5% (V59124) 705-3541-250 (ADDED BY REV B)		1
				A3R297		

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

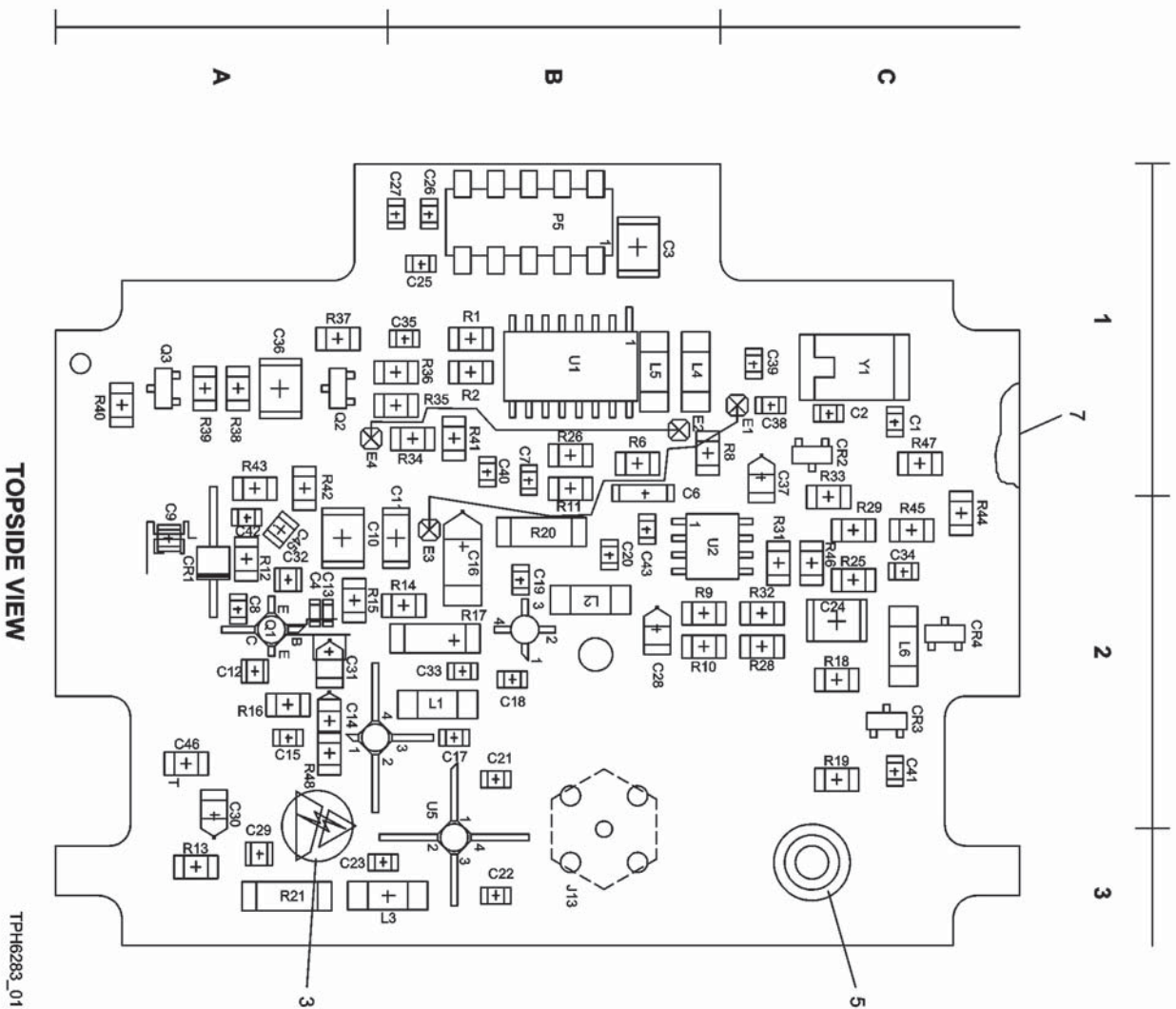
Figure 15. Synthesizer Assembly A4 (CPN 687-0724-002)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	C-1	71	C45	A-1	127	R35	B-1	51			
C10	A-2	77	C46	A-2	113	R36	B-1	31			
C11	B-2	75	C6	B-1	103	R37	A-1	49			
C12	A-2	89	C7	B-2	69	R38	A-1	49			
C13	A-2	85	C8	A-2	87	R39	A-1	49			
C14	A-2	115	C9	A-9	85	R40	A-1	45			
C15	A-2	97	CR1	A-1	61	R41	B-1	51			
C16	B-2	11	CR3	C-2	63	R42	A-2	57			
C17	B-2	129	J13	B-3	25	R43	A-2	123			
C18	B-2	69	L1	B-2	111	R44	C-1	47			
C19	B-2	69	L3	A-3	111	R45	C-2	31			
C2	C-1	69	L4	B-1	13	R46	C-2	27			
C20	B-2	69	L5	B-1	13	R47	C-1	57			
C21	B-2	129	P5	B-1	67	R48	A-2	125			
C22	B-3	129	Q1	A-2	17	R6	B-1	119			
C23	B-3	69	Q2	A-1	21	R8	B-1	101			
C24	C-2	77	Q3	A-1	19	R9	C-2	43			
C25	B-1	69	R1	B-1	51	U1	B-1	59			
C26	B-1	69	R10	B-2	31	U2	B-2	15			
C29	A-3	85	R11	B-2	121	U3	B-2	107			
C3	B-1	77	R12	A-2	51	U4	A-2	91			
C30	A-3	9	R13	A-3	53	U5	B-3	105			
C31	A-2	9	R14	B-2	41	Y1	C-1	65			
C32	A-2	83	R15	A-2	35						
C33	B-2	69	R16	A-2	53						
C34	C-2	69	R17	B-2	95						
C35	B-1	73	R18	C-2	33						
C36	A-2	77	R19	C-2	33						
C37	C-1	9	R2	B-1	51						
C38	C-1	69	R20	B-2	93						
C39	C-1	69	R25	C-2	27						
C4	A-2	109	R28	C-2	39						
C40	B-1	79	R29	C-2	27						
C41	C-3	129	R31	C-2	55						
C42	A-2	117	R32	C-2	29						
C43	B-2	81	R33	C-1	27						
C44	B-2	99	R34	B-1	51						

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
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Synthesizer Assembly A4 (CPN 687-0724-002)
Figure 15 /GRAPHIC 34-50-96-99B-165-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
15			1			
1	687-0724-002		1	SYNTHESIZER, ASSEMBLY (SEE FIG 2-39 FOR NHA) A4		RF
3	M39018-01-1161M		2	LABEL, ESDS WARNING (V81349) 280-2745-040		1
5	307-1217-000		2	EYELET (V57771) 307-1217-000		1
7	653-2270-001		2	PLATE, BACKING CAPACITOR, FIXED TMTLM 1.5UF, 20%, 25V (V56289) 184-2551-170		1
9	195D155X0025S2		2	A4C28 A4C28A A4C30 A4C31 A4C37 CAPACITOR, FIXED TMTLM 10UF, 20%, 25V (V56289) 184-2551-210		4
11	195D106X0025Y2		2	A4C16 COIL, 1UH (V99800) 240-0116-010		1
13	2510-00J		2	A4L2 A4L4 A4L5 A4L6 MICROCIRCUIT (ESDS) (V01295) 351-1392-180		4
15	TL082ID		2	A4U2 TRANSISTOR (V62104) 352-0227-010		1
17	NE85635D		2	A4Q1 TRANSISTOR (ESDS) (V18324) 352-9113-010		1
19	PMBT2222A		2	A4Q3 TRANSISTOR (V18324) 352-9114-010		1
21	PMBT2907TR		2	TRUE PN IS PMBT2907TR A4Q2 DIODE (V1M0Q7) 353-8133-060		1
23	MMBZ5231BLT1		2	A4CR2 CONNECTOR, PLUG (V19505) 357-7195-030		1
25	3025-1511-004		2	A4J13 RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020		1
27	CRCW12061002F		2	A4R25 A4R29 A4R33 A4R46 RESISTOR, FIXED FILM, 1 MEG, 1%, 125MW (V56845) 705-3535-120		4
29	CRCW12061004F		2	A4R32 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200		1
31	CRCW12061001F		2	A4R10 A4R36 A4R45 RESISTOR, FIXED FILM, 51.1 OHMS, 1%, 0.4W (V59124) 705-3539-820 (ADDED BY REV E)		3
33	RK73H2BL51R1F		2	A4R18 A4R19 RESISTOR, FIXED FILM, 619 OHMS, 1%, 125MW (V56845) 705-3535-840		2
35	CRCW12066190F		2	A4R15 RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290		1
37	RK73H2BL2001F		2	A4R26 RESISTOR, FIXED FILM, 2.43K, 1%, 125MW (V59124) 705-3537-370		1
39	RK73H2BL2431F		2	A4R28 RESISTOR, FIXED, 2.94K OHM, .25W, 1% (V59124) 705-3537-440		1
41	RK73H2BL2941F		2	A4R14 RESISTOR, FIXED FILM, 3.57K, 1%, 125MW (V59124) 705-3537-490		1
43	RK73H2BL3571F		2	A4R9 RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600		1
45	RK73H2BL4751F		2	A4R40		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
15						
47	RK73H2BL6191F		2	RESISTOR, FIXED FILM, 6.19K, 1%, 125MW (V59124) 705-3537-690 A4R44		1
49	RK73H2BL2212F		2	RESISTOR, FIXED 22.1K, 1%, 0.25W (V59124) 705-3538-140 A4R37 A4R38 A4R39		3
51	RK73H2BL4752F		2	RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450 A4R1 A4R2 A4R12 A4R34 A4R35 A4R41		6
53	RK73H2BL1000F		2	RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100 A4R13 A4R16		2
55	RK73H2BL2210F		2	RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430 A4R31		1
57	RM73Z2B		2	RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESDS) (V80205) 705-3543-020 (ADDED BY REV E) A4R42 A4R47 MICROCIRCUIT (V61271) 835-1509-010 A4U1		2
59	MB1501PF		2	DIODE (V50101) 844-0008-010 A4CR1		1
61	GC11031-17		2	DIODE (ESDS) (V24539) 844-0011-010 TRUE PN IS HSMS-2800 A4CR3 A4CR4 CRYSTAL, 12 MHZ (V0S6S9) 850-2513-010 PN IS REF NO FOR CXAT-T2 12.00MHZ 32PF +/-50PPM A4Y1		1
63	HSMS2800		2	CONNECTOR (V22526) 859-5509-180 A4P5		2
65	850-2513-010		2	CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 A4C2 A4C7 A4C18 A4C19 A4C20 A4C23 A4C25 A4C26 A4C27 A4C33 A4C34 A4C38 A4C39		13
67	95278-102-10		2	CAPACITOR, FIXED CER DIEL, 56PF, 5%, 50V (V04222) 913-3667-120 A4C1		1
69	08055A470JATBA		2	CAPACITOR, FIXED CER DIEL, 470PF, 5%, 50V (V04222) 913-3667-230 A4C35		1
71	08055A560JATBA		2	CAPACITOR, FIXED CER DIEL, 1000PF, 5%, (V04222) 913-3667-270 A4C11		1
73	08055A471JATBA		2	CAPACITOR, FIXED CER 0.1UF, 10%, 50V (V04222) 913-3670-740 A4C3 A4C10 A4C24 A4C36		4
75	18085A102JATBA		2	CAPACITOR, FIXED, .01UF, 50V (V04222) 913-3676-070 (EFF THRU REV C) A4C40		1
77	18125C104KATBA		2	CAPACITOR, FIXED CER, 3.300PF, 10%, 50V (V04222) 913-3670-180 (EFF REV D)		1
79	08055C103KAT2A		2			
- 79A	08055C332KATBA		2			

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
15						
81	08055C102KATBA		2	CAPACITOR, FIXED CER 1,000PF, 10%, 50V (V04222) 913-3670-120 (EFF THRU REV C)		1
- 81A	08055A331UATBA		2	AAC43 CAPACITOR, FIXED CER DIEL, 330PF, 5%, 50V (V04222) 913-3667-200 (EFF REV D)		1
83	AQ12EM110JAJBE		2	CAPACITOR, FIXED CER DIEL, 11PF, 5%, 50V (V04222) 914-3500-140 AAC32		1
85	AQ12EM470JAJBE		2	CAPACITOR, FIXED CER DIEL 47PF, 5%, 50V (V04222) 914-3500-290 AAC9 A4C13 A4C29		3
87	AQ12EM2R7CAJBE		2	CAPACITOR, FIXED CER SMD 2.7 PF 50 VDC (V04222) 914-3500-390 (EFF THRU REV C)		1
- 87A	AQ12EM6R8BAJBE		2	A4C8 CAPACITOR, FIXED CER DIEL 6.8PF, PORM 0.1PF, 150V (V04222) 914-3500-100 (EFF REV D)		1
89	AQ12EM1R8BAJBE		2	CAPACITOR, FIXED CER, 1.8PF, 50V (V04222) 914-3500-420 A4C12		1
91	A03		2	MICROCIRCUIT (ESDS) (K7766) 835-0057-030 A4U4		1
93	833-6524-720		2	RESISTOR, FIXED, 200 OHM, .6W, 1% (V91637) 833-6524-720 PN IS REF NO FOR RCWMP7225200RFB		1
95	833-6524-740		2	A4R20 RESISTOR, FIXED, 121 OHM, .6W, 1% (V91637) 833-6524-740 PN IS REF NO FOR RCWMP7225121RFB		1
97	AQ12EM2R7CAJBE		2	A4R17 CAPACITOR, FIXED CER SMD 2.7 PF 50 VDC (V04222) 914-3500-390 (EFF THRU REV C)		1
- 97A	AQ12EM3R9BAJBE		2	A4C15 CAPACITOR, FIXED CER DIEL 3.9PF, PORM 0.1PF, 50V (V04222) 914-3500-060 (EFF REV D)		1
99	27261LSL		2	CAPACITOR (V91293) 922-0596-170 AAC44		1
- 101A	RK73H2BL8251F		2	RESISTOR, FIXED FILM, 7.5K, 1%, 125MW (V59124) 705-3537-750 (EFF THRU REV C)		1
101	RK73H2BL7501F		2	A4R8 RESISTOR, FIXED FILM, 8,25K, 1%, 125MW (V59124) 705-3537-780 (EFF REV D)		1
103	18055C183JATBA		2	CAPACITOR, FIXED, .018UF, 50V (V04222) 913-3670-430 (EFF THRU REV C)		1
- 103A	18055C223JATBA		2	A4C6 CAPACITOR, FIXED, .022UF, 50V (V04222) 913-3670-470 (EFF REV D)		1
105	CGY40		2	MICROCIRCUIT (V32421) 351-0254-010 TRUE PN IS CGY 40 (EFF THRU REV H) A4U5		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
15						
- 105A	ERA2SM		2	MICROCIRCUIT (V15542) 835-0362-070 TRUE PN IS ERA-2SM (EFF REV J)		1
107	CGY40		2	MICROCIRCUIT (V32421) 351-0254-010 TRUE PN IS CGY 40 (EFF THRU REV H)		1
- 107A	E5		2	A4U3 MICROCIRCUIT (ESDS) (V15542) 835-0362-100 (EFF REV J)		1
109	08055C108KAT2A		2	CAPACITOR, FIXED CER 10,000PF, 10%, 50V (V04222) 834-5005-050 (ADDED BY REV J)		1
111	2510-00J		2	A4C4 COIL, 1UH (V99800) 240-0116-010 (EFF THRU REV H)		2
- 111A	1812SMSR10G		2	A4L1 A4L3 COIL, 1UH (V02113) 240-2939-090 TRUE PN IS 1812SMS-R10G (EFF REV J)		2
113	08055A102JAT2A		2	CAPACITOR, CHIP CERAMIC 1000PF (ESDS) (V04222) 913-0865-680		1
115	AQ12EM3R9BAUBE		2	A4C46 CAPACITOR, FIXED CER DIEL 3.9PF, PORM 0.1PF, 50V (V04222) 914-3500-060 (ADDED BY REV J)		1
117	08055A331JATBA		2	A4C14 CAPACITOR, FIXED CER DIEL, 330PF, 5%, 50V (V04222) 913-3667-200		1
119	CRCW12063920F		2	A4C42 RESISTOR, FIXED FILM 392 OHMS, 1%, 125MW (V56845) 705-3535-660 (EFF THRU REV C)		1
- 119A	RK73H2BL3571F		2	A4R6 RESISTOR, FIXED FILM, 3.57K, 1%, 125MW (V59124) 705-3537-490 (EFF REV D)		1
121	RK73H2BL1621F		2	RESISTOR, FIXED FILM, 1.62K, 1%, 125MW (V59124) 705-3537-200 (EFF THRU REV C)		1
- 121A	CRCW12061001F		2	A4R11 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200 (EFF REV D)		1
123	RK73H2BL4752F		2	RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450 (EFF THRU REV C)		1
- 123A	CRCW12061002F		2	A4R43 RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020 (EFF REV D)		1
125	RK73H2BL51R1F		2	RESISTOR, FIXED FILM, 51.1 OHMS, 1%, 0.4W (V59124) 705-3539-820 (ADDED BY REV E) (DEL BY REV J)		1
127	AQ12EM1R8BAUBE		2	A4R48 CAPACITOR, FIXED CER, 1.8PF, 50V (V04222) 914-3500-420 (ADDED BY REV K)		1

- ITEM NOT ILLUSTRATED

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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
15 129	08055A470JATBA		2	CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 (EFF THRU REV H) A4C17 A4C21 A4C22 A4C41 CAPACITOR, FIXED CER DIEL 47PF, 5%, 50V (V04222) 914-3500-290 (EFF REV J)		4
- 129A	AQ12EM470JAJBE		2			4
131	833-6524-740		2	RESISTOR, FIXED, 121 OHM, .6W, 1% (V91637) 833-6524-740 PN IS REF NO FOR RCWMP7225121RFKBB (EFF THRU REV H) A4R21		1
- 131A	833-6524-720		2	RESISTOR, FIXED, 200 OHM, .6W, 1% (V91637) 833-6524-720 PN IS REF NO FOR RCWMP7225200RFKBB (EFF REV J)		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

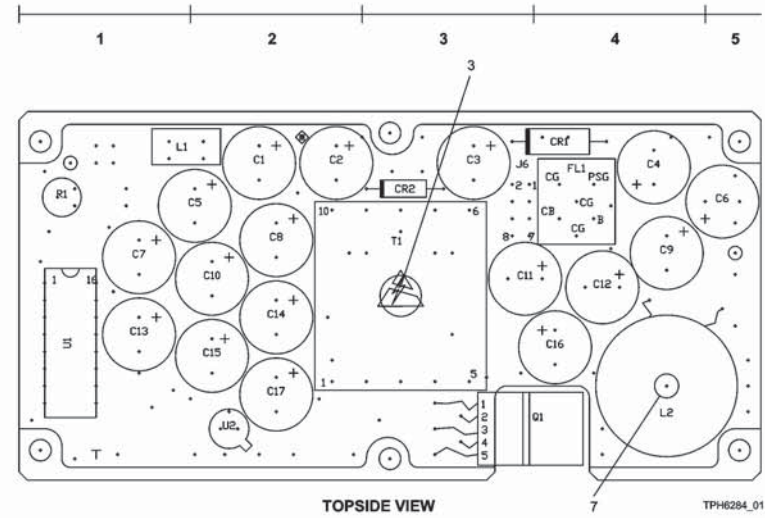
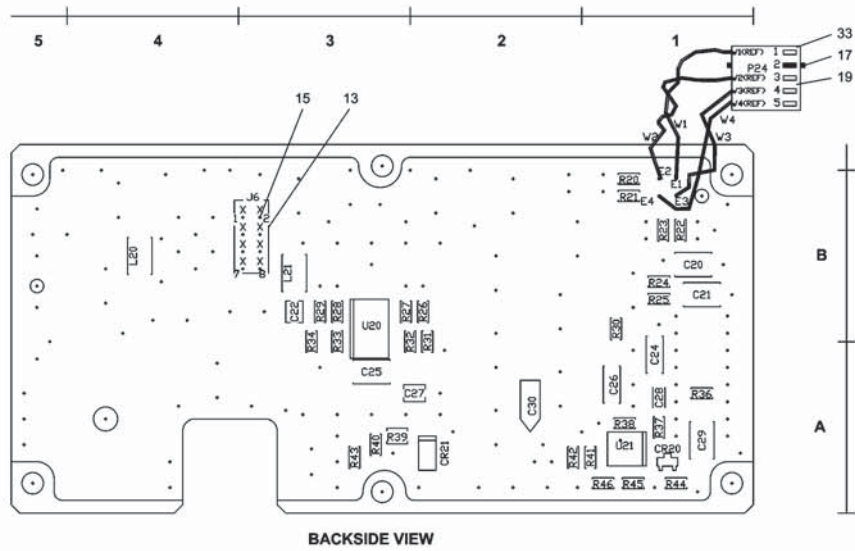
Figure 16. High Voltage Power Supply Circuit Card A1 (CPN 687-0721-002)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	B-2	89	Q1	A-4	105						
C10	B-2	89	R1	B-1	35						
C11	B-3	89	R20	B-1*	45						
C12	B-4	89	R21	B-1*	67						
C13	A-1	89	R22	B-1*	63						
C14	A-2	89	R23	B-1*	71						
C15	A-2	89	R24	B-1*	41						
C16	A-4	89	R25	B-1*	41						
C17	A-2	89	R26	B-2*	65						
C2	B-2	91	R27	B-3*	43						
C20	B-1*	85	R28	B-3*	43						
C21	B-1*	85	R29	B-3*	45						
C22	B-3*	87	R30	B-1*	69						
C24	A-1*	81	R31	B-2*	53						
C25	A-3*	85	R32	B-3*	49						
C26	A-1*	83	R33	B-3*	55						
C27	A-2*	93	R34	B-3*	57						
C28	A-1*	79	R36	A-1*	59						
C29	A-1*	109	R37	A-1*	51						
C3	B-3	91	R38	A-1*	75						
C30	A-2*	21	R39	A-3*	37						
C4	B-4	89	R40	A-3*	39						
C5	B-2	89	R41	A-1*	47						
C6	B-5	89	R42	A-2*	61						
C7	B-1	89	R43	A-3*	73						
C8	B-2	89	R44	A-1*	43						
C9	B-4	89	R45	A-1*	39						
CR1	B-4	29	R46	A-1*	47						
CR2	B-3	27	T1	B-3	101						
CR20	A-1*	31	U1	A-1	23						
CR21	A-2*	95	U2	A-2	25						
FL1	B-4	103	U20	B-3*	77						
L1	B-1	99	U21	A-1*	107						
L2	A-4	5									
L20	B-4*	97									
L21	B-3*	97									
P24	C-0*	33									

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



High Voltage Power Supply Circuit Card A1 (CPN 687-0721-002)
 Figure 16 /GRAPHIC 34-50-96-99B-166-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
16 - 1	687-0721-002		1	CIRCUIT CARD, HIGH VOLTAGE POWER SUPPLY (SEE FIG 4-53 FOR NHA)		RF
3	M39018-01-1161M		2	A1 LABEL, ESDS WARNING (V81349) 280-2745-040		1
5	06-3450-01		2	INDUCTOR, POWER (V11402) 852-3005-010		1
7	634-1348-002		2	A1L2 BUTTON, CABLE		1
- 9	MSS51957-17		2	--- ATTACHING PARTS --- SCREW, SELF LOCKING PSVT CRES 0.112-40 X 0.500		1
- 11	MS15795-803		2	(V96906) 343-0137-000 WASHER, FLAT CRES 0.125 ID X 0.250 OD (V96906) 310-0779-030		1
13	ASP101503-01B		2	***** INSULATOR, STRIP (V55322) 843-9004-010		2
15	NA1104-078		2	TRUE PN IS ASP-101503-01-B		8
17	87077-1		2	CONTACT, ELECTRICAL (V57863) 372-2601-078		1
19	1-87309-4		2	PLUG, KEYING (V00779) 372-2641-020		4
21	195D106X0025Y2		2	CONTACT, ELEC (V00779) 372-2501-090		1
23	UC-1825J		2	CAPACITOR, FIXED TMTLM 10UF, 20%, 25V (V56289) 184-2551-210		1
25	AD580JH		2	A1C30 MICROCIRCUIT (V01295) 351-0715-010		1
27	UES1105		2	A1U1 MICROCIRCUIT (V24355) 351-1301-010		1
29	USC1306		2	A1U2 DIODE (ESDS) (V14552) 353-6615-080		1
31	MMBD914LT		2	A1CR1 DIODE (V14099) 353-6616-010		1
33	87499-9		2	A1CR2 DIODE (V1M007) 353-8135-040		1
35	8050EKW202		2	A1CR20 DIODE (V00779) 372-0015-530		1
37	705-3522-010		2	A1P24 CONNECTOR (V30983) 382-0027-080		1
39	CRCW12061002F		2	A1R1 RESISTOR, VARIABLE, 2K OHM (V30983) 382-0027-080		1
41	CRCW12062002F		2	A1R25 RESISTOR, FIXED FILM, 10.0 OHMS, 1%, 100MW (ESDS) (V81349) 705-3522-010		1
43	CRCW12061001F		2	A1R39 PN IS REF NO FOR M55342-6K4752FRR (V56845) 705-3522-010		1
45	CRCW12067502F		2	A1R40 RESISTOR, FIXED FILM, 10K, 1%, 0.4W (V56845) 705-3535-020		2
			2	A1R45 RESISTOR, VARIABLE, 2K OHM (V56845) 705-3535-030		1
			2	A1R24 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200		3
			2	A1R27 RESISTOR, FIXED FILM, 75K, 1%, 125MW (V56845) 705-3535-340		2
			2	A1R20 RESISTOR, FIXED FILM, 75K, 1%, 125MW (V56845) 705-3535-340		2

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
16						
47	CRCW120602671F		2	RESISTOR, FIXED FILM, 2.67K, 1%, 125MW (V56845) 705-3535-260 A1R41 A1R46		2
49	CRCW12064990F		2	RESISTOR, FIXED 499 OHMS, 1%, 125MW (V56845) 705-3535-750 A1R32		1
51	RK73H2BL1211F		2	RESISTOR, FIXED FILM, 1.21K, 1%, 0.025W (V59124) 705-3537-080 A1R37		1
53	RK73H2BL2151F		2	RESISTOR, FIXED FILM 2.15K, 1%, 125MW (V59124) 705-3537-320 A1R31		1
55	CRCW12068450F		2	RESISTOR, FIXED FILM, 845 OHMS, 1%, (V56845) 705-3535-170 A1R33		1
57	RK73H2BL2491F		2	RESISTOR, FIXED FILM, 2.49K, 1%, 125MW (V59124) 705-3537-380 A1R34		1
59	RK73H2BL7501F		2	RESISTOR, FIXED FILM, 7.5K, 1%, 125MW (V59124) 705-3537-750 A1R36		1
61	RK73H2BL1621F		2	RESISTOR, FIXED FILM, 1.62K, 1%, 125MW (V59124) 705-3537-200 A1R42		1
63	RK73H2BL9091F		2	RESISTOR, FIXED FILM, 9.09K, 1%, 125MW (V59124) 705-3537-810 A1R22		1
65	RK73H2BL3012F		2	RESISTOR, FIXED FILM, 30.1K, 1%, 0.25W (V59124) 705-3538-270 A1R26		1
67	RK73H2BL3242F		2	RESISTOR, FIXED FILM, 32.4K, 1%, 125MW (V59124) 705-3538-300 A1R21		1
69	RK73H2BL1213F		2	RESISTOR, FIXED FILM, 121K, 1%, 125MW (V59124) 705-3538-800 A1R30		1
71	CRCW12061303F		2	RESISTOR, FIXED FILM, 130K, 1%, 125MW (V56845) 705-3535-070 A1R23		1
73	RK73H2BL39R2F		2	RESISTOR, FIXED FILM, 39.2 OHMS, 1%, 0.25W (V59124) 705-3539-710 A1R43		1
75	RK73H2BL47R5F		2	RESISTOR, FIXED FILM, 47.5 OHMS, 1%, 125MW (V59124) 705-3539-790 A1R38		1
77	LM2901D		2	MICROCIRCUIT (ESDS) (V01295) 351-0656-010 A1U20		1
79	08055A331JATBA		2	CAPACITOR, FIXED CER DIEL, 330PF, 5%, 50V (V04222) 913-3667-200 A1C28		1
81	18085A681JATBA		2	CAPACITOR, FIXED CER DIEL, 680PF, 5%, (V04222) 913-3667-250 A1C24		1
83	18085A102JATBA		2	CAPACITOR, FIXED CER DIEL, 1000PF, 5%, (V04222) 913-3667-270 A1C26		1
85	18125C154MA TBA		2	CAPACITOR, FIXED, .15UF, 50V (V04222) 913-3670-710 A1C20 A1C21 A1C25		3
87	913-3676-250		2	CAPACITOR, FIXED, .68UF, 25V (V18796) 913-3676-250 PN IS REF NO FOR GRM32MF51E684ZA15B A1C22		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
89	834-0516-040		2	CAPACITOR, FIXED, 15UF, 60V (V7M138) 834-0516-040 PN IS REF NO FOR 678D156M060CDD5DD445 A1C1 A1C4 A1C5 A1C6 A1C7 A1C8 A1C9 A1C10 A1C11 A1C12 A1C13 A1C14 A1C15 A1C16 A1C17 CAPACITOR, FIXED, 10UF, 100V (V0P569) 834-0516-050 PN IS REF NO FOR 672D106M100CDD5DD1203 A1C2 A1C3 CAPACITOR, FIXED CER DIEL., 10UF, 10%, 100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L A1C27 DIODE (ESDS) (V1MQ07) 844-0005-020 A1CR21 COIL, RF (V7J069) 852-3001-020 TRUE PN IS HF50ACB453215-B A1L20 A1L21 COIL, 43UH (V01086) 852-3005-030 A1L1 TRANSFORMER (V11402) 852-6016-020 A1T1 CAPACITOR, FIXED, .2UF, 50V (V12294) 849-0511-010 A1FL1 TRANSISTOR (V81483) 843-0020-020 A1Q1 MICROCIRCUIT (V1MQ07) 835-0032-020 A1U21 CAPACITOR, FIXED CER 0.1UF, 10%, 50V (V04222) 913-3670-740 A1C29			15
91	834-0516-050		2			2	
93	834-5000-020		2			1	
95	MBRS120T3		2			1	
97	HF50ACB453215B		2			2	
99	852-3005-030		2			1	
101	06-2480-00		2			1	
103	BNX002-01		2			1	
105	IRC640		2			1	
107	MC33072D		2			1	
109	18125C104KATBA		2			1	

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
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Figure 17. Video Processor Circuit Card A6 (CPN 687-0726-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	C-1*	185	C132	A-1*	185	C222	A-6*	137	C60	B-6*	183
C10	B-1*	185	C133	A-1*	185	C223	B-6*	137	C61	B-6*	179
C100	B-7	127	C134	A-1*	185	C228	A-5	177	C64	A-5	131
C101	B-1	133	C135	A-1*	185	C23	C-1*	185	C65	A-6	131
C102	A-7*	185	C136	A-1*	185	C232	A-5	181	C67	A-6	131
C103	A-1*	185	C137	A-1*	185	C233	A-6	181	C7	B-1*	185
C104	B-1*	185	C138	A-1*	185	C234	A-5	181	C73	A-6*	183
C105	B-1*	185	C139	A-1*	185	C235	A-6	181	C75	A-4	129
C106	B-1*	185	C14	B-1*	185	C236	A-6	183	C78	C-8*	137
C107	B-1*	185	C140	C-5*	137	C237	A-5*	137	C79	C-7*	137
C108	B-1*	185	C141	C-5	137	C24	C-1*	185	C8	C-4*	137
C109	B-1*	185	C142	B-6	129	C241	A-5*	69	C80	C-7*	137
C11	B-1*	185	C143	A-6	129	C25	C-3*	137	C81	C-10*	137
C110	A-1*	185	C15	B-1*	185	C250	A-4	195	C82	C-10*	137
C111	A-1*	185	C16	B-1*	185	C251	A-4	195	C83	A-8*	137
C112	A-1*	185	C17	C-5*	137	C26	C-1*	185	C84	C-8*	137
C113	B-1*	185	C171	B-5*	137	C27	C-1*	185	C85	B-10*	137
C114	B-1*	185	C176	B-5	177	C28	C-1*	185	C86	B-10*	137
C115	B-11	133	C18	B-1*	185	C29	C-1*	185	C87	A-10*	137
C116	C-11	133	C19	B-1*	185	C3	B-1*	185	C88	A-10*	137
C117	B-11	133	C2	C-2*	185	C30	C-1*	185	C89	A-8*	137
C118	B-11	133	C20	B-1*	185	C31	C-1*	185	C9	B-1*	185
C119	B-11	133	C202	B-6	139	C32	C-2*	185	C90	A-8*	137
C12	B-1*	185	C203	A-6	137	C33	C-1*	185	C91	B-8*	137
C120	C-11	137	C206	B-6	137	C34	C-4*	137	C92	B-8*	137
C121	C-11	137	C209	A-6*	179	C35	C-1*	185	C93	C-7*	137
C122	C-1	175	C21	C-1*	185	C4	B-1*	185	C94	C-11*	137
C123	C-3	125	C210	B-6	137	C49	B-6	139	C95	B-10*	197
C124	C-3	135	C211	A-6	137	C5	B-1*	185	C96	C-9*	137
C125	A-12*	137	C212	B-6*	137	C50	B-4	129	C97	C-9	137
C126	A-12*	137	C213	A-6*	137	C51	B-5*	69	C98	C-10	183
C127	A-12	137	C214	C-6*	137	C52	B-5*	69	C99	C-9	183
C128	A-12	137	C217	B-7*	193	C53	B-5	131	CR1	C-2*	59
C129	A-1*	185	C218	A-7*	193	C55	A-6	183	CR10	B-2*	59
C13	B-1*	185	C22	C-1*	185	C58	B-6	131	CR11	B-1*	59
C130	A-1*	185	C220	B-6*	137	C59	B-6	131	CR12	B-2*	59
C131	A-1*	185	C221	A-5*	69	C6	B-1*	185	CR120	B-5*	155

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 17. Video Processor Circuit Card A6 (CPN 687-0726-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
CR13	B-2*	59	CR48	B-7	155	CR81	C-6*	59	Q6	B-5	53
CR14	B-2	59	CR49	B-7*	155	CR82	C-6*	59	Q7	A-7	55
CR15	B-1*	59	CR5	B-2*	59	CR83	C-5*	59	Q9	B-7	53
CR16	C-1*	59	CR50	A-10	199	CR84	C-5	59	R1	A-4*	73
CR17	C-2*	59	CR51	A-7	155	CR85	C-6	59	R100	A-12*	83
CR18	B-2*	59	CR52	B-7	61	CR86	C-6*	59	R101	A-11*	83
CR19	B-2	59	CR53	B-7*	59	CR87	C-6	59	R102	A-12	83
CR2	C-2	59	CR54	A-7	59	CR88	C-6	59	R103	A-12	83
CR20	C-1*	59	CR55	B-2*	59	CR89	C-6	59	R104	A-11*	83
CR206	B-5	155	CR56	C-6*	59	CR9	B-2	59	R105	A-11*	83
CR207	A-5	155	CR57	A-2*	59	CR90	C-6	59	R106	A-11	83
CR208	B-5*	155	CR58	A-2	59	FL1	C-3	167	R11	A-7*	75
CR209	B-5	155	CR59	A-2	59	L101	B-5	163	R117	B-4	65
CR21	C-2	59	CR6	A-2	59	L102	B-6	163	R118	A-4	65
CR210	A-5*	155	CR60	B-2*	59	L103	A-5	163	R14	B-4*	101
CR211	A-5	155	CR61	B-2*	59	L104	A-6	163	R16	B-4*	71
CR22	C-2	59	CR62	C-6	59	L106	B-6	165	R18	B-5*	99
CR224	B-4	155	CR63	B-1*	59	L5	A-6	165	R19	B-5*	71
CR226	A-4	155	CR64	B-3*	59	L7	C-2	171	R2	B-4*	73
CR23	B-2	59	CR65	A-2*	59	P1	A-1	187	R20	B-5*	73
CR231	B-4	155	CR66	A-2*	59	P20	B-12*	67	R21	B-5	95
CR232	A-4	155	CR67	C-6	59	P25	A-9*	63	R211	A-6*	79
CR234	B-5*	155	CR68	A-2*	59	P3	A-9*	173	R216	A-5*	85
CR236	A-5*	155	CR69	B-2*	61	Q1	A-7*	53	R22	B-5*	83
CR238	B-4	155	CR7	B-1*	59	Q10	B-2*	53	R221	A-5*	75
CR24	C-2*	59	CR70	A-3*	59	Q11	C-4	53	R227	B-6	71
CR240	A-4	155	CR71	A-2*	59	Q113	B-4*	53	R228	A-5*	71
CR25	C-2*	59	CR72	A-2*	59	Q14	A-6*	53	R23	B-5	83
CR26	C-2	59	CR73	A-2*	59	Q203	B-5	53	R230	B-6*	71
CR27	C-2*	59	CR74	C-2*	59	Q204	B-5*	53	R232	A-5	91
CR28	C-1*	59	CR75	C-2*	59	Q205	A-5	53	R24	B-5*	91
CR29	C-2	59	CR76	C-3*	59	Q206	A-5*	53	R241	A-7	75
CR3	B-1*	59	CR77	C-3*	59	Q210	A-4*	53	R242	A-5*	83
CR30	C-2	59	CR78	B-3*	59	Q213	A-4	53	R243	A-5*	83
CR31	C-2*	59	CR79	B-3*	59	Q214	B-5	53	R249	A-6*	83
CR4	B-2	59	CR8	B-1*	59	Q216	A-5	53	R25	A-5*	85
CR46	A-5*	155	CR80	C-6*	59	Q243	B-4	53	R256	A-6*	83

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 17. Video Processor Circuit Card A6 (CPN 687-0726-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
R265	B-7*	75	R65	C-7*	71	U101	C-7	43	U45	C-4	43
R267	C-6	77	R66	C-7*	73	U103	C-7	43	U46	C-5	121
R27	B-6*	97	R67	A-11*	103	U104	C-8	153	U5	A-3*	113
R271	B-4*	93	R68	B-10*	103	U108	C-10	49	U6	A-3	43
R28	B-6*	87	R69	C-9	75	U109	C-10	49	U7	B-3*	115
R282	A-5*	99	R70	C-9	75	U11	C-3*	113	U8	B-3*	113
R283	B-4*	71	R71	B-8*	71	U116	B-7	149	U9	B-3	43
R286	B-5*	75	R72	B-10*	201	U118	B-10	147	VR1	B-2	157
R29	B-6*	87	R73	B-10*	203	U12	C-3	43	VR10	A-2	157
R294	B-5	85	R74	A-10	205	U121	A-8	51	VR11	A-2	157
R296	B-5	85	R75	A-10*	207	U128	B-7	107	VR12	C-2	157
R3	C-3*	73	R76	A-7	75	U2	A-3*	113	VR13	C-2	157
R30	B-6*	87	R77	A-7	75	U203	B-6	141	VR14	C-3	157
R31	A-6*	83	R78	B-7*	75	U204	A-6	141	VR15	C-3	157
R311	A-5	95	R79	B-7	75	U205	B-6*	141	VR16	B-3	157
R313	B-7*	75	R80	A-7	71	U208	A-6*	141	VR17	B-3	157
R314	B-6*	83	R81	A-7*	71	U214	B-6	141	VR18	B-2	159
R316	B-4*	71	R82	A-7	87	U215	A-5	145	VR19	B-7	157
R32	B-6	83	R83	A-7	87	U24	A-8*	45	VR2	B-2	157
R34	B-6	79	R84	A-8*	89	U29	C-11	47	VR3	B-2	161
R37	A-5*	73	R85	B-7*	81	U3	A-3	43	VR4	B-3	157
R4	C-3*	73	R86	A-3*	71	U30	C-9	151	VR5	B-2	159
R43	A-6*	97	R87	A-3*	71	U31	A-10*	209	VR6	C-3	57
R44	A-6*	83	R88	A-3*	71	U32	A-10	211	VR7	A-2	157
R45	A-6*	87	R89	A-3*	71	U33	C-5*	119	VR8	A-2	157
R46	A-6*	87	R90	B-7	71	U34	C-4*	117	VR9	A-2	157
R48	A-5*	87	R91	A-3*	71	U35	A-2	111	Y100	C-10	41
R53	A-5	85	R92	C-3	123	U36	C-5*	121	Z1	A-1	39
R54	A-4*	101	R93	B-2*	75	U37	B-3*	113	Z10	A-1	39
R55	A-5	85	R94	C-4	75	U38	C-4	7	Z11	A-1	39
R56	A-4*	71	R95	C-4	71	U39	A-12	143	Z13	A-1	39
R57	A-4*	71	R96	B-2*	89	U4	A-3*	115	Z14	A-1	39
R58	A-4*	71	R97	C-4	105	U40	A-12*	143	Z15	A-1	39
R61	A-4*	93	R98	C-4	87	U41	B-2	111	Z16	A-1	169
R62	C-8*	73	R99	A-11*	83	U42	C-5	119	Z17	B-1	39
R63	C-7*	73	U1	A-3*	115	U43	C-5*	117	Z18	B-1	39
R64	C-7*	71	U10	C-3*	115	U44	C-4	43	Z19	B-1	39

* DESIGNATES BACKSIDE COMPONENTS

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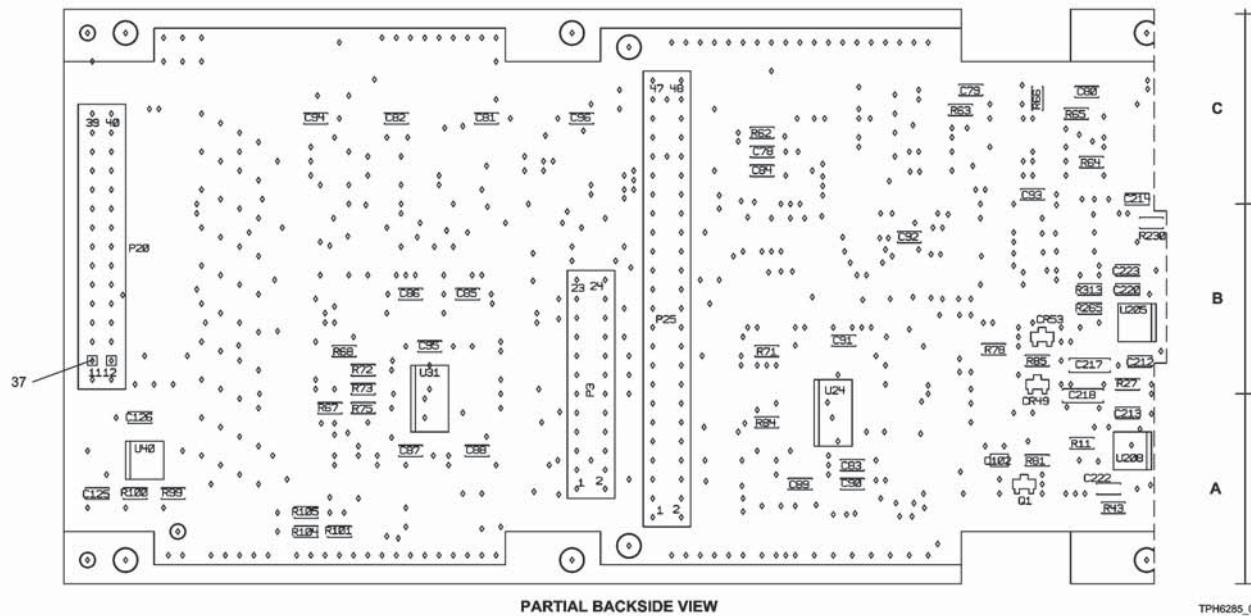
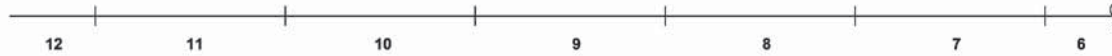
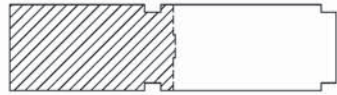
Figure 17. Video Processor Circuit Card A6 (CPN 687-0726-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
Z2	A-1	39	Z54	C-1	39						
Z20	B-1	169	Z55	C-1	39						
Z21	B-1	39	Z56	C-1	169						
Z22	B-1	39	Z57	C-1	39						
Z23	B-1	39	Z58	C-1	39						
Z24	B-1	169	Z59	C-1	39						
Z25	B-1	39	Z6	A-1	39						
Z26	B-1	39	Z7	A-1	39						
Z27	B-1	39	Z8	A-1	169						
Z28	B-1	169	Z9	A-1	39						
Z29	B-1	39									
Z3	A-1	39									
Z30	B-1	39									
Z31	B-1	39									
Z33	B-1	39									
Z34	B-1	39									
Z35	B-1	39									
Z36	B-1	169									
Z37	B-1	39									
Z38	B-1	39									
Z39	B-1	39									
Z4	A-1	169									
Z40	B-1	169									
Z41	B-1	39									
Z42	B-1	39									
Z43	B-1	39									
Z44	B-1	169									
Z45	C-1	39									
Z46	C-1	39									
Z47	C-1	39									
Z48	C-1	169									
Z49	C-1	39									
Z5	A-1	39									
Z50	C-1	39									
Z51	C-1	39									
Z52	C-1	169									
Z53	C-1	39									

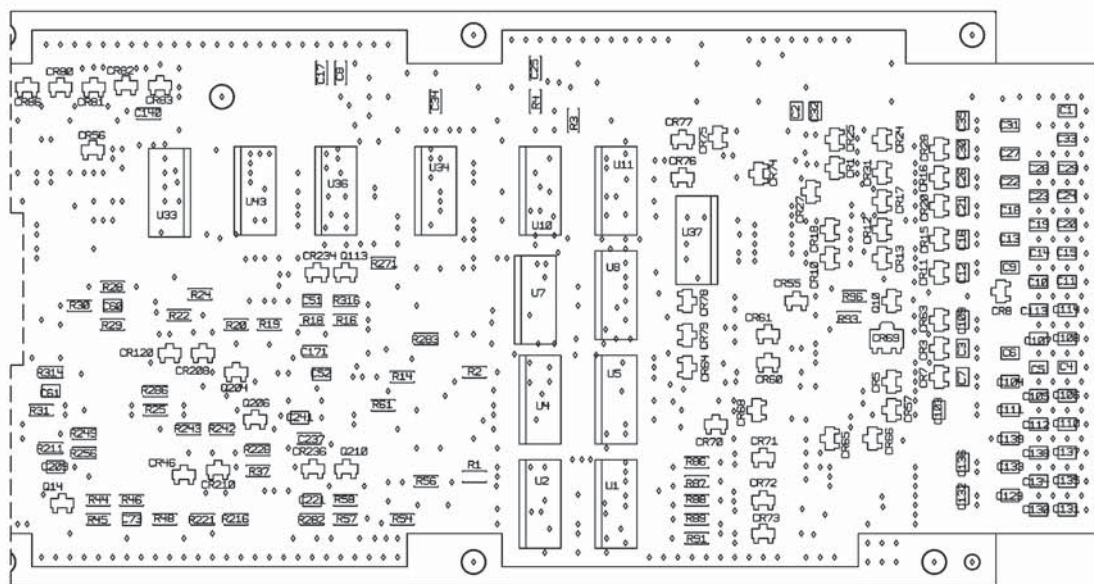
* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

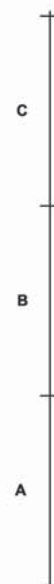


Video Processor Circuit Card A6 (CPN 687-0726-004)
 Figure 17 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-167-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



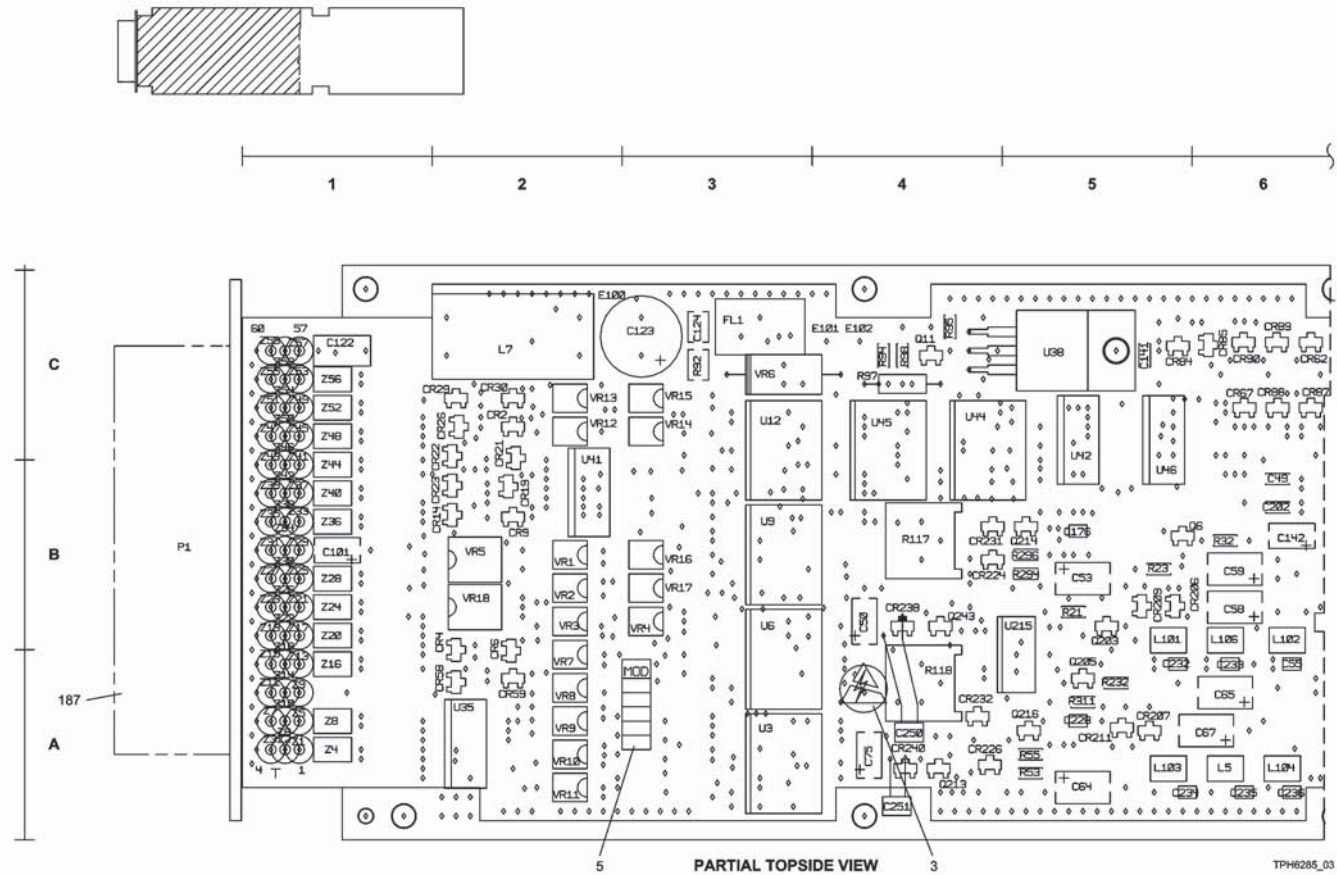
PARTIAL BACKSIDE VIEW



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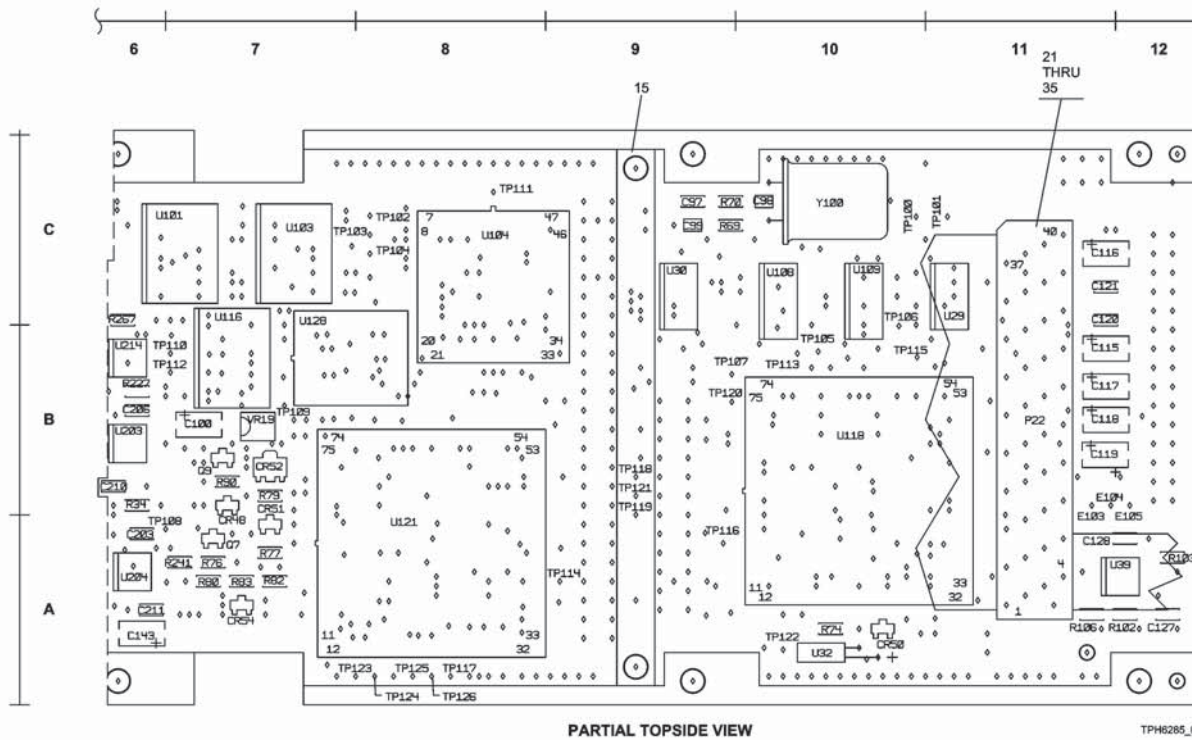
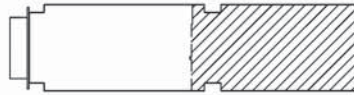
Video Processor Circuit Card A6 (CPN 687-0726-004)
 Figure 17 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-167-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Video Processor Circuit Card A6 (CPN 687-0726-004)
 Figure 17 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-167-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Video Processor Circuit Card A6 (CPN 687-0726-004)
 Figure 17 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-167-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
17						
- 1	687-0726-004		1	CIRCUIT CARD, VIDEO PROCESSOR (SEE FIG 4-63 FOR NHA)		RF
3	M39018-01-1161M		2	A6 LABEL, ESDS WARNING		1
5	280-3778-050		2	(V81349) 280-2745-040 LABEL, INFORMATION		1
7	LM317T		2	(V0BU16) 280-3778-050 (SB 15) (ADDED BY REV K)		1
- 9	MSS1957-14		2	MICROCIRCUIT (ESDS) (V27014) 351-1271-010 A6U38		1
- 11	MSS35338-135		2	--- ATTACHING PARTS --- SCREW, MACHINE SST 4-40 X 5/16 (V96906) 343-0134-000		1
- 13	NAS671C4		2	WASHER, LOCK SST 0.115 ID X 0.209 OD (V96906) 310-0279-000		1
15	653-2280-001		2	NUT, PLAIN HEXAGON CD PL STL 0.112-40 (V80205) 313-0132-000		1
21	653-2248-002		2	STRAP, BOARD		1
23	88450-9		3	CABLE, ASSEMBLY		1
25	88450-2		3	CONNECTOR, PULL TAB (V00779) 372-0112-090		1
27	499568-1		3	CONNECTOR, PULL TAB (V00779) 372-0112-020 CONNECTOR		1
29	1-499566-0		3	(V00779) 372-2648-020 CONNECTOR		1
31	86286-1		3	(V00779) 372-2648-070 PLUG, KEYING		4
33	111355-8		3	(V00779) 372-2641-010 CONNECTOR		1
35	111356-8		3	(V00779) 859-2000-160 CONNECTOR		1
37	M55302-127-00KY		2	(V00779) 859-2000-150 PLUG, KEYING		2
39	288-0815-010		2	(V81349) 372-2669-010 (ADDED BY REV G) BEAD, FERRITE (V02114) 288-0815-010		45
41	289-0262-000		2	PN IS REF NO FOR TUB3,7/1,2/3,5-4B1 A6Z1 A6Z2 A6Z3 A6Z5 A6Z6 A6Z7 A6Z9 A6Z10 A6Z11 A6Z13 A6Z14 A6Z15 A6Z17 A6Z18 A6Z19 A6Z21 A6Z22 A6Z23 A6Z25 A6Z26 A6Z27 A6Z29 A6Z30 A6Z31 A6Z33 A6Z34 A6Z35 A6Z37 A6Z38 A6Z39 A6Z41 A6Z42 A6Z43 A6Z45 A6Z46 A6Z47 A6Z49 A6Z50 A6Z51 A6Z53 A6Z54 A6Z55 A6Z57 A6Z58 A6Z59 CRYSTAL, 20 MHZ (V00136) 289-0262-000 PN IS REF NO FOR CR-76/U 20M00000 A6Y100		1
43	SN74HCT244DW		2	MICROCIRCUIT (V01295) 351-3610-040		8
45	SN74HC02D		2	A6U3 A6U6 A6U9 A6U12 A6U44 A6U45 A6U101 A6U103 MICROCIRCUIT (ESDS) (V01295) 351-3701-020 (EFF THRU REV P)		1
- 45A	SN74HC02D		2	A6U24 MICROCIRCUIT (V01295) 351-2802-010 (EFF REV R)		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
17						
47	SN74HC08D		2	MICROCIRCUIT (ESDS) (V01295) 351-3701-040		1
49	SN74HC259D		2	A6U29 MICROCIRCUIT (V01295) 351-3704-170		2
51	S38FC002P104		2	A6U108 A6U109 MICROCIRCUIT (V04713) 351-5175-010		1
53	PMBT2222A		2	A6U121 TRANSISTOR (ESDS) (V18324) 352-9113-010		16
55	PMBT2907TR		2	A6Q1 A6Q10 A6Q11 A6Q113 A6Q114 A6Q203 A6Q204 A6Q205 A6Q206 A6Q210 A6Q213 A6Q214 A6Q216 A6Q243 A6Q6 A6Q9 Q6A10 TRANSISTOR (V18324) 352-9114-010		1
57	353-3768-060		2	TRUE PN IS PMBT2907TR A6Q7 DIODE (V12954) 353-3768-060		1
59	BAST0-04		2	A6VFR6 DIODE (V12954) 353-8136-010		68
61	BAW78B		2	(V12954) 353-8136-010 A6CR1 A6CR2 A6CR3 A6CR4 A6CR5 A6CR6 A6CR7 A6CR8 A6CR9 A6CR10 A6CR11 A6CR12		2
63	2-535542-4		2	A6CR13 A6CR14 A6CR15 A6CR16 A6CR17 A6CR18 A6CR19 A6CR20 A6CR21 A6CR22 A6CR23 A6CR24 A6CR25 A6CR26 A6CR27 A6CR28 A6CR29 A6CR30 A6CR31 A6CR32 A6CR34 A6CR35 A6CR36 A6CR37 A6CR38 A6CR39 A6CR40 A6CR41 A6CR42 A6CR43 A6CR44 A6CR45 A6CR46 A6CR47 A6CR48 A6CR70 A6CR71 A6CR72 A6CR73 A6CR74 A6CR75 A6CR76 A6CR77 A6CR78 A6CR79 A6CR80 A6CR81 A6CR82 A6CR83 A6CR84 A6CR85 A6CR86 A6CR87 A6CR88 A6CR89 A6CR90		1
65	3386P1-203		2	DIODE (V1W698) 353-8138-020 A6CR52 A6CR69 CONNECTOR, ELECTRICAL (V00779) 372-0033-390		2
67	628-5853-001		2	A6P25 RESISTOR, VARIABLE, 20K OHM (V32997) 382-0038-080		2
69	08055A221JATBA		2	TRUE PN IS 3386P-1-203 A6R117 A6R118 CONNECTOR, ELECTRICAL A6P20		1
71	CRCW12061002F		2	CAPACITOR, FIXED CER DIEI., 220PF, 5%, 50V (V04222) 913-3667-470 A6C51 A6C52 A6C221 A6C241 RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020		22
73	CRCW12061003F		2	A6R16 A6R19 A6R56 A6R57 A6R58 A6R64 A6R65 A6R71 A6R80 A6R81 A6R86 A6R87 A6R88 A6R89 A6R90 A6R91 A6R95 A6R227 A6R228 A6R230 A6R283 A6R316 RESISTOR, FIXED FILM, 100K, 1%, 125MW (V56845) 705-3535-060		9
75	CRCW12061001F		2	A6R1 A6R2 A6R3 A6R4 A6R20 A6R37 A6R62 A6R63 A6R66 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200		14
				A6R11 A6R69 A6R70 A6R76 A6R77 A6R78 A6R79 A6R93 A6R94 A6R221 A6R241 A6R265 A6R286 A6R313		

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENTIFICATION			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
			I	N	D			
77	CRCW12061212F		2			RESISTOR, FIXED FILM, 12.1K, 1%, 125MW (V56845) 705-3535-270 A6R267		1
79	CRCW12069760F		2			RESISTOR, FIXED, 976 OHM, .25W, 1% (V56845) 705-3535-390 A6R34 A6R211		2
81	CRCW12064750F		2			RESISTOR, FIXED FILM, 475 OHMS, 1%, 125MW (V56845) 705-3535-730		1
83	RK73H2BL2001F		2			RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290		18
85	RK73H2BL2211F		2			A6R85 RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330		6
87	RK73H2BL3921F		2			A6R25 A6R53 A6R55 A6R216 A6R294 A6R296 RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530		9
89	RK73H2BL4751F		2			A6R28 A6R29 A6R30 A6R45 A6R46 A6R48 A6R82 A6R83 A6R98 RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600		2
91	RK73H2BL2742F		2			A6R84 A6R96 RESISTOR, FIXED FILM, 27.4K, 1%, 125MW (V59124) 705-3538-230		2
93	RK73H2BL2874F		2			A6R24 A6R232 RESISTOR, FIXED, 28.7K OHM, .25W, 1% (V59124) 705-3538-250		2
95	RK73H2BL4752F		2			A6R61 A6R271 RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450		2
97	RK73H2BL5622F		2			A6R21 A6R311 RESISTOR, FIXED FILM 56.2K, 1%, 125MW (V59124) 705-3538-510		2
99	CRCW120633R2FB		2			A6R27 A6R43 RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640		2
101	RK73H2BL2210F		2			A6R18 A6R282 RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430		2
103	RMT73Z2B		2			A6R14 A6R54 RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESDS) (V80205) 705-3543-020		2
105	RWR81S2370FR		2			A6R67 A6R68 RESISTOR, FIXED, 237 OHM, 1W, 1% (V81349) 747-2183-370		1
107	831-0037-001		2			A6R97 MICROCIRCUIT, MODIFIED A6U128		1
-109	NM27C256VE200		3			MICROCIRCUIT (V07263) 351-3768-010 TRUE PN IS NM27C256VE-200		1
111	SOMC160336R0GDC		2			RESISTOR, NETWORK, 36 OHM, .25W, 2% (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC		2
113	833-5502-070		2			A6U35 A6U41 RESISTOR, NETWORK 10K, 2%, (ESDS) (V11236) 833-5502-070		5
115	833-5502-080		2			A6U2 A6U5 A6U8 A6U11 A6U37 MICROCIRCUIT (ESDS) (V11236) 833-5502-080 A6U1 A6U4 A6U7 A6U10		4

- ITEM NOT ILLUSTRATED

34-50-96

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
17						
117	833-5502-140		2	RESISTOR, NETWORK, 62K OHM, .25W, 2% (V11236) 833-5502-140 A6U34 A6U43		2
119	833-5502-180		2	RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A6U33 A6U42		2
121	833-5502-190		2	RESISTOR, NETWORK, 270K OHM, .25W, 2% (V11236) 833-5502-190 A6U36 A6U46		2
123	RK73Z2EL		2	RESISTOR, FIXED, 0 OHM (V59124) 833-6008-030 A6R92		1
125	834-0516-030		2	CAPACITOR, FIXED, 22UF, 60V (V7M138) 834-0516-030 PN IS REF NO FOR 678D226M060CG5DD444		1
127	TAJ0475K025H		2	CAPACITOR, FIXED 4.7UF, 10%, 25V (V04222) 834-2008-150 A6C100		1
129	TAJ0688K020H		2	CAPACITOR, FIXED 6.8UF, 10%, 20V (V04222) 834-2008-170 A6C50 A6C75 A6C142 A6C143		4
131	TAJD156K025H		2	CAPACITOR, FIXED 15UF, 10%, 25V (V04222) 834-2008-220 A6C53 A6C58 A6C59 A6C64 A6C65 A6C67		6
133	TAJ0C105K050H		2	CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 A6C101 A6C115 A6C116 A6C117 A6C118 A6C119		6
135	834-5000-020		2	CAPACITOR, FIXED CER DIEL, .10UF, 10%, 100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L A6C124		1
137	12065C103KAT2A		2	CAPACITOR, FIXED 10.000PF, 10%, 50V (V04222) 834-5005-250 A6C8 A6C17 A6C25 A6C34 A6C78 A6C79 A6C80 A6C81 A6C82 A6C83 A6C84 A6C85 A6C86 A6C87 A6C88 A6C89 A6C90 A6C91 A6C92 A6C93 A6C94 A6C96 A6C97 A6C120 A6C121 A6C125 A6C126 A6C127 A6C128 A6C140 A6C141 A6C171 A6C203 A6C206 A6C210 A6C211 A6C212 A6C213 A6C214 A6C220 A6C222 A6C223 A6C237 CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 A6C49 A6C202		43
139	C1206C104K5RAC		2	CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 A6C49 A6C202		2
141	LT1016		2	MICROCIRCUIT (V64155) 835-0048-010 A6U203 A6U204 A6U205 A6U208 A6U214		5
143	MC34081BD		2	MICROCIRCUIT (V1M007) 835-0060-020 A6U39 A6U40		2
145	MC74HC4316AD		2	MICROCIRCUIT (V1M007) 351-3460-010 A6U215		1
147	835-1570-010		2	MICROCIRCUIT (V61722) 835-1570-010 A6U118		1
149	CD74AC374M		2	MICROCIRCUIT (ESDS) (V01295) 835-4507-030 A6U116		1
151	74AC04SC		2	MICROCIRCUIT, DIGITAL (ESDS) (V7D893) 835-4509-030 A6U30		1
153	IDT7130LA100JI		2	MICROCIRCUIT (V61772) 835-5891-010 A6U104		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
17			1			
155	MMBD301LTT1		2	DIODE (V1MQ07) 844-0003-020 A6CR46 A6CR48 A6CR49 A6CR51 A6CR120 A6CR206 A6CR207 A6CR208 A6CR209 A6CR210 A6CR211 A6CR224 A6CR226 A6CR231 A6CR232 A6CR234 A6CR236 A6CR238 A6CR240 DIODE (V1MQ07) 844-0082-180 A6VR1 A6VR2 A6VR4 A6VR7 A6VR8 A6VR9 A6VR10 A6VR11 A6VR12 A6VR13 A6VR14 A6VR15 A6VR16 A6VR17 A6VR19 DIODE (V1MQ07) 844-0097-250 A6VR5 A6VR18 DIODE (ESDS) (V14936) 844-0103-010 A6VR3 COLL. 15UH (V99800) 849-0025-270 A6L101 A6L102 A6L103 A6L104 COLL. 33UH (V99800) 849-0025-310 A6L5 A6L106 CAPACITOR, FIXED, .0022UF, 100V (V18796) 849-0512-010 PNIS REF NO FOR DSS9NC52A222055B A6FL1 BEAD, FERRITE (V34899) 852-3002-010 A6Z4 A6Z8 A6Z16 A6Z20 A6Z24 A6Z28 A6Z36 A6Z40 A6Z44 A6Z48 A6Z52 A6Z56 COLL. 50UH (V00204) 852-3005-040 A6L7 CONNECTOR, ELECTRICAL (EFF THRU REV L) A6P3 CONNECTOR (V00779) 372-0033-750 (EFF REV M) CAPACITOR, FIXED CER, DIEL, 1000PF, 20%, 1000V (V81349) 913-1186-000 A6C122 CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V (V04222) 913-3667-030 A6C176 A6C228 CAPACITOR, FIXED CER DIEL 27PF, 5%, 50V (V04222) 913-3667-080 A6C61 A6C209 CAPACITOR, FIXED CER DIEL, 33PF, 5%, 50V (V04222) 913-3667-090 A6C232 A6C233 A6C234 A6C235 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 A6C55 A6C60 A6C73 A6C98 A6C99 A6C236 CAPACITOR, FIXED CER DIEL, 470PF, 5%, 50V (V04222) 913-3667-230 A6C1 A6C2 A6C3 A6C4 A6C5 A6C6 A6C7 A6C9 A6C10 A6C11 A6C12 A6C13 A6C14 A6C15 A6C16 A6C18 A6C19 A6C20 A6C21 A6C22 A6C23 A6C24 A6C26 A6C27 A6C28 A6C29 A6C30 A6C31 A6C32 A6C33 A6C35		
157	PSSMB36A		2			15
159	1SMC36A		2			2
161	PSSMB11CA		2			1
163	1812-153K		2			4
165	1812-333K		2			2
167	849-0512-010		2			1
169	2743019446L		2			12
171	852-3005-040		2			1
173	653-3984-001		2			1
- 173A	1-535542-2		2			1
175	CK60AW102M		2			1
177	0805A100JATBA		2			2
179	0805A270JATBA		2			2
181	0805A330JATBA		2			4
183	0805A470JATBA		2			6
185	0805A471JATBA		2			55

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
17			1	A6C102 A6C103 A6C104 A6C105 A6C106		
			A	A6C107 A6C108 A6C109 A6C110 A6C111		
			A	A6C112 A6C113 A6C114 A6C129 A6C130		
			A	A6C131 A6C132 A6C133 A6C134 A6C135		
			A	A6C136 A6C137 A6C138 A6C139		
			2	CIFRCUIT CARD ASSEMBLY		
			A	A6P1		
187	634-7949-002		3	CONTACT		30
			A	(V57863) 372-2604-023		
- 189	NA1109-023		3	CONTACT		30
			A	(V57863) 372-2604-022		
- 191	NA1109-022		2	CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V		2
			A	(V04222) 913-3667-470		
193	08055A221JATBA		2	(EFF THRU REV D)		
			A	A6C217 A6C218		
			A	CAPACITOR, FIXED CER DIEL 1500PF, 5%, 50V		2
- 193A	18055A152JATBA		2	(V04222) 913-3667-370		
			A	(EFF REV E)		
195	CCR13CG100J		2	CAPACITOR, FIXED CER, 10PF, 5%, 100V		2
			A	(V81349) 913-1098-010		
			A	(ADDED BY REV F)		
197	12065C103KAT2A		2	A6C250 A6C251		1
			A	CAPACITOR, FIXED 10,000PF, 10%, 50V		
			A	(V04222) 834-5005-250		
			A	(DELETED BY REV D)		
199	BAST0-04		2	A6C95		1
			A	DIODE		
			A	(V12954) 353-8136-010		
			A	(DELETED BY REV D)		
201	RK73H2BL7501F		2	A6CR50		1
			A	RESISTOR, FIXED FILM, 7.5K, 1%, 125MW		
			A	(V59124) 705-3537-750		
			A	(DELETED BY REV D)		
203	RK73H2BL1502F		2	A6R72		1
			A	RESISTOR, FIXED FILM, 15K, 1%, 125MW		
			A	(V59124) 705-3537-990		
			A	(DELETED BY REV D)		
205	RK73H2BL5761F		2	A6R73		1
			A	RESISTOR, FIXED 5.76K, 1%, 125MW		
			A	(V59124) 705-3537-670		
			A	(DELETED BY REV D)		
207	RK73H2BL5363F		2	A6R74		1
			A	RESISTOR, FIXED FILM 536K, 1%, 125MW		
			A	(V59124) 705-3540-740		
			A	(DELETED BY REV D)		
209	M/C33074D		2	A6R75		1
			A	MICROCIRCUIT (ESDS)		
			A	(V1M/Q07) 835-0032-010		
			A	(DELETED BY REV D)		
211	AD590KF		2	A6U31		1
			A	MICROCIRCUIT		
			A	(V24355) 351-1411-020		
			A	(DELETED BY REV D)		
			A	A6U32		

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

Figure 18. Video Processor Circuit Card A6 (CPN 687-0726-005)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	C-1*	191	C132	A-1*	191	C222	A-6*	143	C64	A-5	137
C10	B-1*	191	C133	A-1*	191	C223	B-6*	143	C65	A-6	137
C100	B-7	133	C134	A-1*	191	C228	A-4	183	C67	A-6	137
C101	B-1	139	C135	A-1*	191	C23	C-1*	191	C7	B-1*	191
C102	A-7*	191	C136	A-1*	191	C232	A-5	187	C73	A-6*	189
C103	A-1*	191	C137	A-1*	191	C233	A-6	187	C75	A-4	135
C104	B-1*	191	C138	A-1*	191	C234	A-5	187	C78	C-8*	143
C105	B-1*	191	C139	A-1*	191	C235	A-6	187	C79	C-7*	143
C106	B-1*	191	C14	B-1*	191	C236	A-6	189	C8	C-4*	143
C107	B-1*	191	C140	C-5*	143	C237	A-5*	143	C80	C-7*	143
C108	B-1*	191	C141	C-5	143	C24	C-1*	191	C81	C-10*	143
C109	B-1*	191	C142	B-6	135	C241	A-5*	193	C82	C-10*	143
C11	B-1*	191	C143	A-6	135	C25	C-3*	143	C83	A-8*	143
C110	A-1*	191	C15	B-1*	191	C26	C-1*	191	C84	C-8*	143
C111	A-1*	191	C16	B-1*	191	C27	C-1*	191	C85	B-10*	143
C112	A-1*	191	C17	C-5*	143	C28	C-1*	191	C86	B-10*	143
C113	B-1*	191	C171	B-5*	143	C29	C-1*	191	C87	A-10*	143
C114	B-1*	191	C176	B-4	183	C3	B-1*	191	C88	A-10*	143
C115	B-11	139	C18	B-1*	191	C30	C-1*	191	C89	A-8*	143
C116	C-11	139	C19	B-1*	191	C31	C-1*	191	C9	B-1*	191
C117	B-11	139	C2	C-2*	191	C32	C-2*	191	C90	A-8*	143
C118	B-11	139	C20	B-1*	191	C33	C-1*	191	C91	B-8*	143
C119	B-11	139	C202	B-6	145	C34	C-4*	143	C92	B-8*	143
C12	B-1*	191	C203	A-6	143	C35	C-1*	191	C93	C-7*	143
C120	C-11	143	C206	B-6	143	C4	B-1*	191	C94	C-11*	143
C121	C-11	143	C209	A-6*	185	C49	B-6	145	C96	C-9*	143
C122	C-1	181	C21	C-1*	191	C5	B-1*	191	C97	C-9	143
C123	C-3	131	C210	B-6	143	C50	B-4	135	C98	C-10	189
C124	C-3	141	C211	A-6	143	C51	B-5*	193	C99	C-9	189
C125	A-12*	143	C212	B-6*	143	C52	B-5*	193	CR1	C-2*	61
C126	A-12*	143	C213	A-6*	143	C53	B-5	137	CR10	B-2*	61
C127	A-12	143	C214	C-6*	143	C55	A-6	189	CR11	B-1*	61
C128	A-12	143	C217	B-7*	195	C58	B-6	137	CR12	B-2*	61
C129	A-1*	191	C218	A-7*	195	C59	B-6	137	CR120	B-5*	161
C13	B-1*	191	C22	C-1*	191	C6	B-1*	191	CR13	B-2*	61
C130	A-1*	191	C220	B-6*	143	C60	B-6*	189	CR14	B-2	61
C131	A-1*	191	C221	A-5*	193	C61	B-6*	185	CR15	B-1*	61

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 18. Video Processor Circuit Card A6 (CPN 687-0726-005)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
CR16	C-1*	61	CR51	A-7	161	CR85	C-6	61	R100	A-12*	89
CR17	C-2*	61	CR52	B-7	63	CR86	C-6*	61	R101	A-11*	89
CR18	B-2*	61	CR53	B-7*	61	CR87	C-6	61	R102	A-12	89
CR19	B-2	61	CR54	A-7	61	CR88	C-6	61	R103	A-12	89
CR2	C-2	61	CR55	B-2*	61	CR89	C-6	61	R104	A-11*	89
CR20	C-1*	61	CR56	C-6*	61	CR9	B-2	61	R105	A-11*	89
CR206	B-5	161	CR57	A-2*	61	CR90	C-6	61	R106	A-11	89
CR207	A-5	161	CR58	A-2	61	FL1	C-3	173	R111	A-7*	81
CR208	B-5*	161	CR59	A-2	61	L101	B-5	169	R117	B-4	67
CR209	B-5	161	CR6	A-2	61	L102	B-6	169	R118	A-4	67
CR21	C-2	61	CR60	B-2*	61	L103	A-5	169	R14	B-4*	107
CR210	A-5*	161	CR61	B-2*	61	L104	A-6	169	R16	B-4*	77
CR211	A-5	161	CR62	C-6	61	L106	B-6	171	R18	B-5*	105
CR22	C-2	61	CR63	B-1*	61	L5	A-6	171	R19	B-5*	77
CR224	B-4	161	CR64	B-3*	61	L7	C-2	177	R2	B-4*	79
CR226	A-4	161	CR65	A-2*	61	P1	A-1	71	R20	B-5*	79
CR23	B-2	61	CR66	A-2*	61	P20	B-12*	69	R21	B-5	101
CR231	B-4	161	CR67	C-6	61	P25	A-9*	65	R211	A-6*	85
CR232	A-4	161	CR68	A-2*	61	P3	A-9*	179	R216	A-5*	91
CR234	B-5*	161	CR69	B-2*	63	Q1	A-7*	55	R22	B-5*	89
CR236	A-5*	161	CR7	B-1*	61	Q10	B-2*	55	R221	A-5*	81
CR238	B-4	161	CR70	A-3*	61	Q11	C-4	55	R227	B-6	77
CR24	C-2*	61	CR71	A-2*	61	Q113	B-4*	55	R228	A-5*	77
CR240	A-4	161	CR72	A-2*	61	Q14	A-6*	55	R23	B-5	89
CR25	C-2*	61	CR73	A-2*	61	Q203	B-5	55	R230	B-6*	77
CR26	C-2	61	CR74	C-2*	61	Q204	B-5*	55	R232	A-5	97
CR27	C-2*	61	CR75	C-2*	61	Q205	A-5	55	R24	B-5*	97
CR28	C-1*	61	CR76	C-3*	61	Q206	A-5*	55	R241	A-7	81
CR29	C-2	61	CR77	C-3*	61	Q210	A-4*	55	R242	A-5*	89
CR3	B-1*	61	CR78	B-3*	61	Q213	A-4	55	R243	A-5*	89
CR30	C-2	61	CR79	B-3*	61	Q214	B-5	55	R249	A-6*	89
CR31	C-2*	61	CR8	B-1*	61	Q216	A-5	55	R25	A-5*	91
CR4	B-2	61	CR80	C-6*	61	Q243	B-4	55	R256	A-6*	89
CR46	A-5*	161	CR81	C-6*	61	Q6	B-5	55	R265	B-7*	81
CR48	B-7	161	CR82	C-6*	61	Q7	A-7	57	R267	C-6	83
CR49	B-7*	161	CR83	C-5*	61	Q9	B-7	55	R27	B-6*	103
CR5	B-2*	61	CR84	C-5	61	R1	A-4*	79	R271	B-4*	99

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 18. Video Processor Circuit Card A6 (CPN 687-0726-005)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
R28	B-6*	93	R69	C-9	81	U12	C-3	45	VR12	C-2	163
R282	A-5*	105	R70	C-9	81	U121	A-8	53	VR13	C-2	163
R283	B-4*	77	R71	B-8*	77	U128	B-7	113	VR14	C-3	163
R286	B-5*	81	R76	A-7	81	U2	A-3*	119	VR15	C-3	163
R29	B-6*	93	R77	A-7	81	U203	B-6	147	VR16	B-3	163
R294	B-5	91	R78	B-7*	81	U204	A-6	147	VR17	B-3	163
R296	B-5	91	R79	B-7	81	U205	B-6*	147	VR18	B-2	165
R3	C-3*	79	R80	A-7	77	U208	A-6*	147	VR19	B-7	163
R30	B-6*	93	R81	A-7*	77	U214	B-6	147	VR2	B-2	163
R31	A-6*	89	R82	A-7	93	U215	A-5	151	VR3	B-2	167
R311	A-5	101	R83	A-7	93	U24	A-8*	47	VR4	B-3	163
R313	B-7*	81	R84	A-8*	95	U29	C-11	49	VR5	B-2	165
R314	B-6*	89	R85	B-7*	87	U3	A-3	45	VR6	C-3	59
R316	B-4*	77	R86	A-3*	77	U30	C-9	157	VR7	A-2	163
R32	B-6	89	R87	A-3*	77	U33	C-5*	125	VR8	A-2	163
R34	B-6	85	R88	A-3*	77	U34	C-4*	123	VR9	A-2	163
R37	A-5*	79	R89	A-3*	77	U35	A-2	117	Y100	C-10	43
R4	C-3*	79	R90	B-7	77	U36	C-5*	127	Z1	A-1	41
R43	A-6*	103	R91	A-3*	77	U37	B-3*	119	Z10	A-1	41
R44	A-6*	89	R92	C-3	129	U38	C-4	7	Z11	A-1	41
R45	A-6*	93	R93	B-2*	81	U39	A-12	149	Z13	A-1	41
R46	A-6*	93	R94	C-4	81	U4	A-3*	121	Z14	A-1	41
R48	A-5*	93	R95	C-4	77	U40	A-12*	149	Z15	A-1	41
R53	A-5	91	R96	B-2*	95	U41	B-2	117	Z16	A-1	175
R54	A-4*	107	R97	C-4	111	U42	C-5	125	Z17	B-1	41
R55	A-5	91	R98	C-4	93	U43	C-5*	123	Z18	B-1	41
R56	A-4*	77	R99	A-11*	89	U44	C-4	45	Z19	B-1	41
R57	A-4*	77	U1	A-3*	121	U45	C-4	45	Z2	A-1	41
R58	A-4*	77	U10	C-3*	121	U46	C-5	127	Z20	B-1	175
R61	A-4*	99	U101	C-7	45	U5	A-3*	119	Z21	B-1	41
R62	C-8*	79	U103	C-7	45	U6	A-3	45	Z22	B-1	41
R63	C-7*	79	U104	C-8	159	U7	B-3*	121	Z23	B-1	41
R64	C-7*	77	U108	C-10	51	U8	B-3*	119	Z24	B-1	175
R65	C-7*	77	U109	C-10	51	U9	B-3	45	Z25	B-1	41
R66	C-7*	79	U11	C-3*	119	VR1	B-2	163	Z26	B-1	41
R67	A-11*	109	U116	B-7	155	VR10	A-2	163	Z27	B-1	41
R68	B-10*	109	U118	B-10	153	VR11	A-2	163	Z28	B-1	175

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

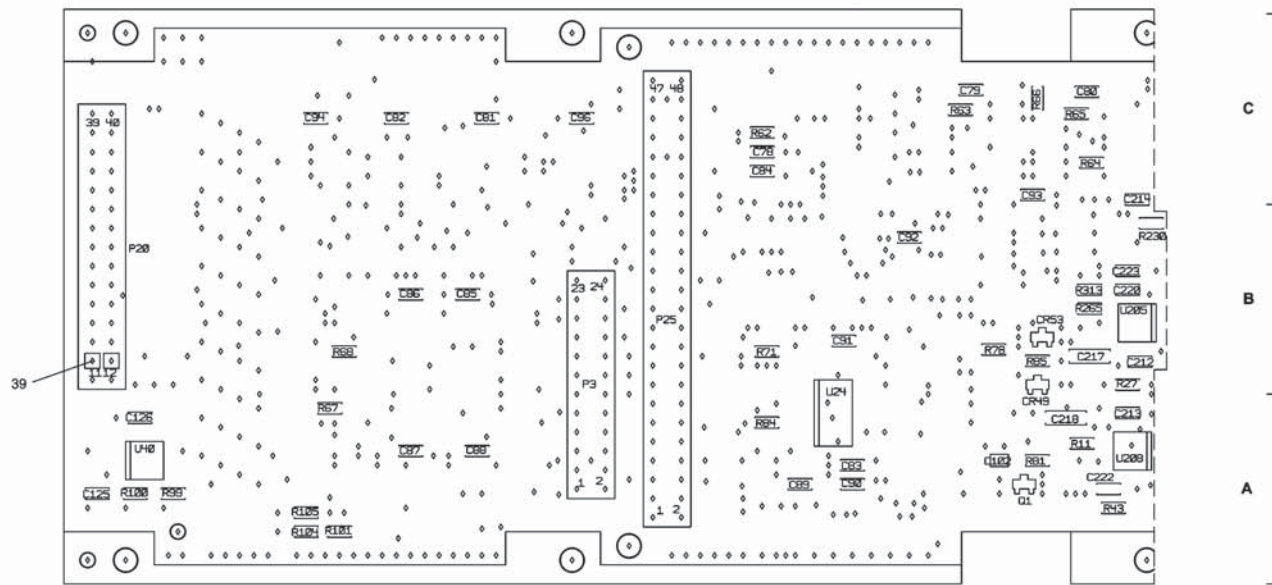
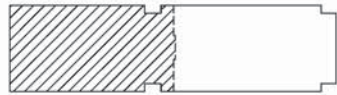
Figure 18. Video Processor Circuit Card A6 (CPN 687-0726-005)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
Z29	B-1	41									
Z3	A-1	41									
Z30	B-1	41									
Z31	B-1	41									
Z33	B-1	41									
Z34	B-1	41									
Z35	B-1	41									
Z36	B-1	175									
Z37	B-1	41									
Z38	B-1	41									
Z39	B-1	41									
Z4	A-1	175									
Z40	B-1	175									
Z41	B-1	41									
Z42	B-1	41									
Z43	B-1	41									
Z44	B-1	175									
Z45	C-1	41									
Z46	C-1	41									
Z47	C-1	41									
Z48	C-1	175									
Z49	C-1	41									
Z5	A-1	41									
Z50	C-1	41									
Z51	C-1	41									
Z52	C-1	175									
Z53	C-1	41									
Z54	C-1	41									
Z55	C-1	41									
Z56	C-1	175									
Z57	C-1	41									
Z58	C-1	41									
Z59	C-1	41									
Z6	A-1	41									
Z7	A-1	41									
Z8	A-1	175									
Z9	A-1	41									

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

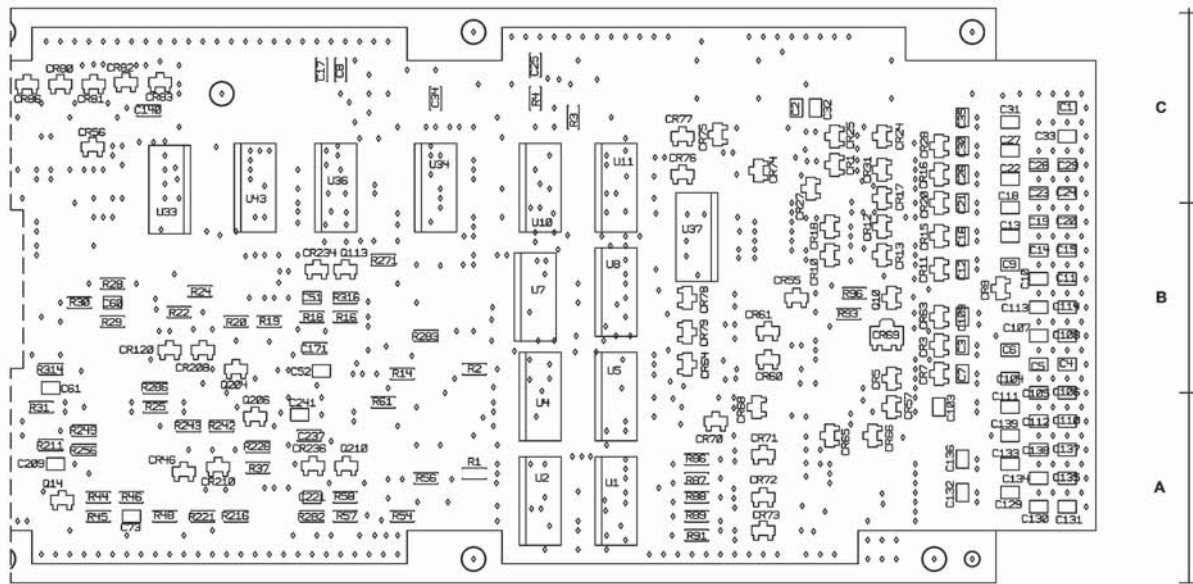
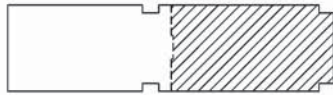


PARTIAL BACKSIDE VIEW

TPH6286_01

Video Processor Circuit Card A6 (CPN 687-0726-005)
 Figure 18 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-168-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

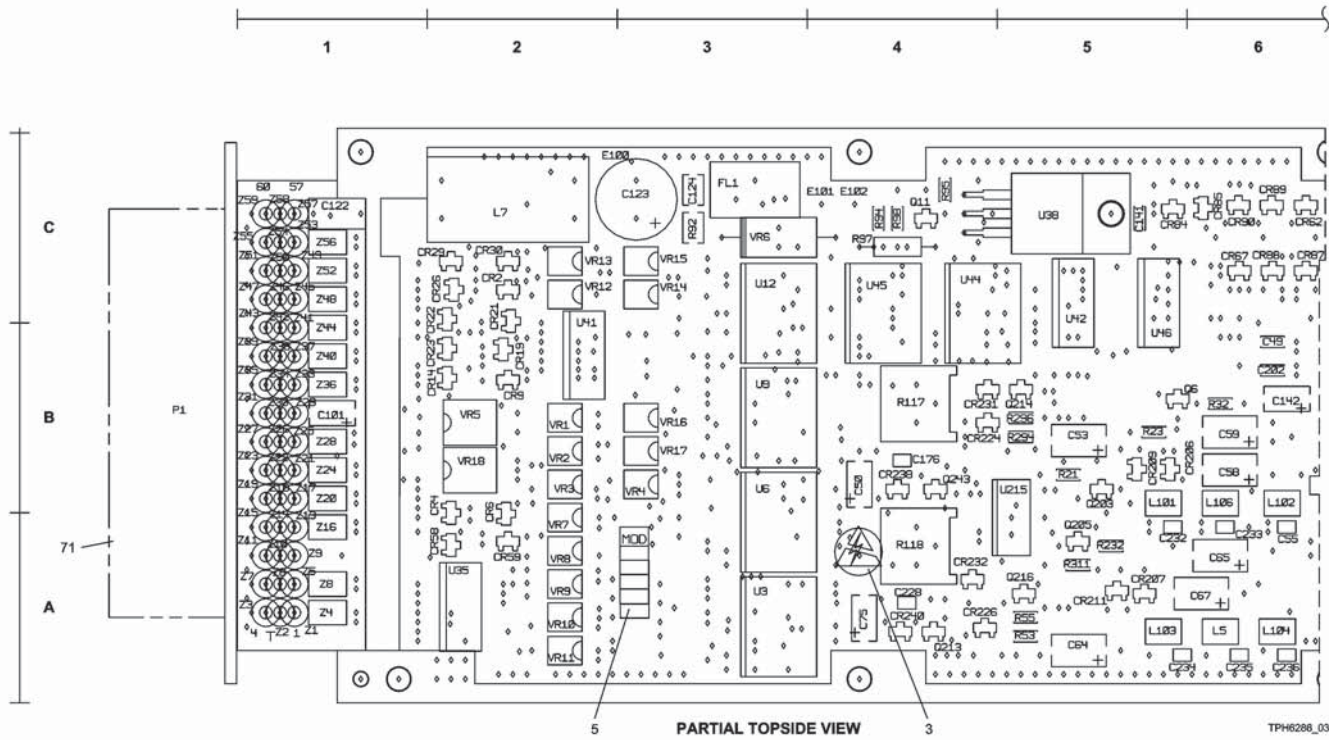
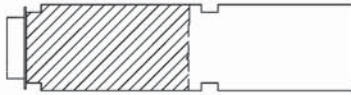


PARTIAL BACKSIDE VIEW

TPH6286_02

Video Processor Circuit Card A6 (CPN 687-0726-005)
 Figure 18 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-168-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

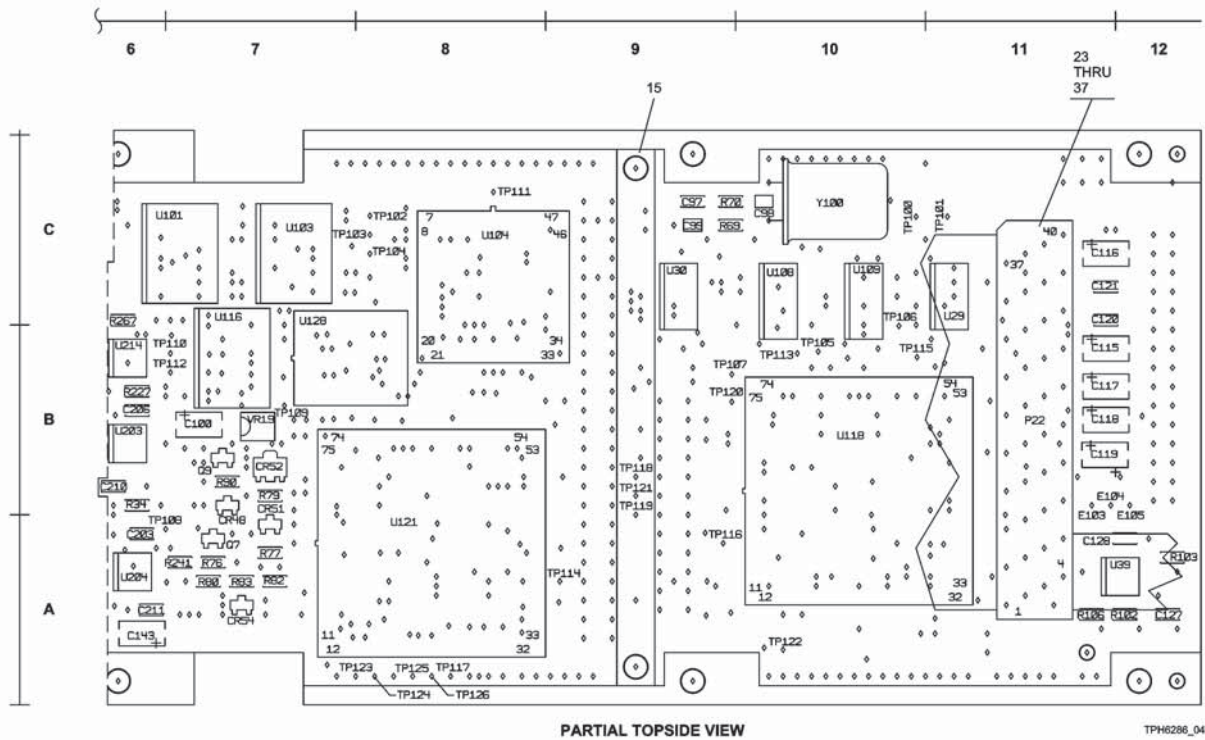
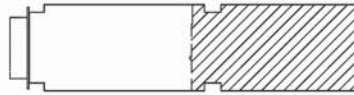


Video Processor Circuit Card A6 (CPN 687-0726-005)
 Figure 18 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-168-A01

34-50-96

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ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Video Processor Circuit Card A6 (CPN 687-0726-005)
 Figure 18 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-168-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
18						
- 1	687-0726-005		1	CIRCUIT CARD, VIDEO PROCESSOR (SEE FIG 4-63 FOR NHA) (SEE FIG 4-63C FOR NHA)		RF
3	M39018-01-1161M		2	LABEL, ESDS WARNING		1
5	280-3778-050		2	(V81349) 280-2745-040		1
7	LM317T		2	LABEL, INFORMATION (V0BU16) 280-3778-050 MICROCIRCUIT (ESDS) (V27014) 351-1271-010 A6U38		1
- 9	MS51957-14		2	--- ATTACHING PARTS --- SCREW, MACHINE SST		1
- 11	MS35338-135		2	4-40 X 5/16 (V96906) 343-0134-000 WASHER, LOCK SST		1
- 13	MAS671C4		2	0.115 ID X 0.209 OD (V96906) 310-0279-000 NUT, PLAIN HEXAGON CD PL STL 0.112-40 (V80205) 313-0132-000		1
15	653-2280-001		2	STRAP, BOARD		1
- 17	347-0006-000		2	--- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000 WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V0191L2) 333-0605-000		2
- 19	MAS620C4L		2			2
- 21	68-1660-40		2			2
23	653-2248-002		2	CABLE, ASSEMBLY		1
25	88450-9		3	CONNECTOR, PULL TAB (V00779) 372-0112-090		1
27	88450-2		3	CONNECTOR, PULL TAB (V00779) 372-0112-020		1
29	499568-1		3	CONNECTOR (V00779) 372-2648-020		1
31	1-499566-0		3	CONNECTOR (V00779) 372-2648-070		1
33	86286-1		3	PLUG, KEYING (V00779) 372-2641-010		4
35	111355-8		3	CONNECTOR (V00779) 859-2000-160		1
37	111356-8		3	CONNECTOR (V00779) 859-2000-150		1
39	M55302-127-00KY		2	PLUG, KEYING (V81349) 372-2669-010		2
41	2661000101		2	BEAD, FERRITE (V34899) 852-1000-190		45
43	289-0262-000		2	A6Z1 A6Z2 A6Z3 A6Z5 A6Z6 A6Z7 A6Z9 A6Z10 A6Z11 A6Z13 A6Z14 A6Z15 A6Z17 A6Z18 A6Z19 A6Z21 A6Z22 A6Z23 A6Z25 A6Z26 A6Z27 A6Z29 A6Z30 A6Z31 A6Z33 A6Z34 A6Z35 A6Z37 A6Z38 A6Z39 A6Z41 A6Z42 A6Z43 A6Z45 A6Z46 A6Z47 A6Z49 A6Z50 A6Z51 A6Z53 A6Z54 A6Z55 A6Z57 A6Z58 A6Z59 CRYSTAL, 20 MHZ (V00136) 289-0262-000 PN IS REF NO FOR CR-76/U 20M000000		1
45	SN74HCT244DW		2	A6Y100 MICROCIRCUIT (V01295) 351-3610-040 A6U3 A6U6 A6U9 A6U12 A6U44 A6U45 A6U101 A6U103		8

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
18						
47	SN74HC02D		2	MICROCIRCUIT (V01295) 351-2802-010		1
49	SN74HC08D		2	A6U24 MICROCIRCUIT (ESDS) (V01295) 351-3701-040		1
51	SN74HC259D		2	A6U29 MICROCIRCUIT (V01295) 351-3704-170		2
53	S38FC002P104		2	A6U108 A6U109 MICROCIRCUIT (V04713) 351-5175-010		1
55	PMBT2222A		2	A6U121 TRANSISTOR (ESDS) (V18324) 352-9113-010		16
57	PMBT2907TR		2	A6Q1 A6Q6 A6Q9 A6Q10 A6Q11 A6Q14 A6Q113 A6Q203 A6Q204 A6Q205 A6Q206 A6Q210 A6Q213 A6Q214 A6Q216 A6Q243 TRANSISTOR (V18324) 352-9114-010		1
59	353-3768-060		2	TRUE PN IS PMBT2907TR A6Q7 DIODE (V12954) 353-3768-060		1
61	BAST0-04		2	A6VFR6 DIODE (V12954) 353-8136-010		68
63	BAW78B		2	(V12954) 353-8136-010 A6CR1 A6CR2 A6CR3 A6CR4 A6CR5 A6CR6 A6CR7 A6CR8 A6CR9 A6CR10 A6CR11 A6CR12 A6CR13 A6CR14 A6CR15 A6CR16 A6CR17 A6CR18 A6CR19 A6CR20 A6CR21 A6CR22 A6CR23 A6CR24 A6CR25 A6CR26 A6CR27 A6CR28 A6CR29 A6CR30 A6CR31 A6CR32 A6CR34 A6CR35 A6CR36 A6CR37 A6CR38 A6CR39 A6CR40 A6CR41 A6CR42 A6CR43 A6CR44 A6CR45 A6CR46 A6CR47 A6CR48 A6CR70 A6CR71 A6CR72 A6CR73 A6CR74 A6CR75 A6CR76 A6CR77 A6CR78 A6CR79 A6CR80 A6CR81 A6CR82 A6CR83 A6CR84 A6CR85 A6CR86 A6CR87 A6CR88 A6CR89 A6CR90		2
65	2-535542-4		2	(V1W698) 353-8138-020 A6CR52 A6CR69 CONNECTOR, ELECTRICAL (V00779) 372-0033-390		1
67	3386P1-203		2	A6P25 RESISTOR, VARIABLE, 20K OHM (V32997) 382-0038-080 TRUE PN IS 3386P-1-203		2
69	628-5853-001		2	A6R117 A6R118 CONNECTOR, ELECTRICAL A6P20 CIRCUIT CARD ASSEMBLY		1
71	634-7949-002		2	A6P1 CONTACT		1
- 73	NA1109-023		3	(V57863) 372-2604-023 CONTACT		30
- 75	NA1109-022		3	(V57863) 372-2604-022 CONTACT		30
77	CRCW12061002F		2	(V57863) 372-2604-022 RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020		22
79	CRCW12061003F		2	A6R16 A6R19 A6R56 A6R57 A6R58 A6R64 A6R65 A6R71 A6R80 A6R81 A6R86 A6R87 A6R88 A6R89 A6R90 A6R91 A6R95 A6R227 A6R228 A6R230 A6R283 A6R316 RESISTOR, FIXED FILM, 100K, 1%, 125MW (V56845) 705-3535-060 A6R1 A6R2 A6R3 A6R4 A6R20 A6R37 A6R62 A6R63 A6R66		9

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY		
			I	N	T					
18										
81	CRCW12061001F		2			RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200 A6R11 A6R69 A6R70 A6R76 A6R77 A6R78 A6R79 A6R93 A6R94 A6R221 A6R241 A6R265 A6R286 A6R313 RESISTOR, FIXED FILM, 12.1K, 1%, 125MW (V56845) 705-3535-270 A6R267 RESISTOR, FIXED, 976 OHM, .25W, 1% (V56845) 705-3535-390 A6R34 A6R211 RESISTOR, FIXED FILM, 475 OHMS, 1%, 125MW (V56845) 705-3535-730 A6R85 RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290 A6R22 A6R23 A6R31 A6R32 A6R44 A6R99 A6R100 A6R101 A6R102 A6R103 A6R104 A6R105 A6R106 A6R242 A6R243 A6R249 A6R256 A6R314 RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330 A6R25 A6R53 A6R55 A6R216 A6R294 A6R296 RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530 A6R28 A6R29 A6R30 A6R45 A6R46 A6R48 A6R82 A6R83 A6R98 RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600 A6R84 A6R96 RESISTOR, FIXED FILM, 27.4K, 1%, 125MW (V59124) 705-3538-230 A6R24 A6R232 RESISTOR, FIXED, .28.7K OHM, .25W, 1% (V59124) 705-3538-250 A6R61 A6R271 RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450 A6R21 A6R311 RESISTOR, FIXED FILM 56.2K, 1%, 125MW (V59124) 705-3538-510 A6R27 A6R43 RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640 A6R18 A6R282 RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430 A6R14 A6R54 RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESD5) (V80205) 705-3543-020 A6R67 A6R68 RESISTOR, FIXED, .237 OHM, 1W, 1% (V81349) 747-2-183-370 A6R97 MICROCIRCUIT, MODIFIED A6U128 MICROCIRCUIT (V07263) 351-3768-010 TRUE PN IS NM27C256VE-200 RESISTOR, NETWORK, 36 OHM, .25W, 2% (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC A6U35 A6U41	2			14
83	CRCW12061212F		2							
85	CRCW12069760F		2							
87	CRCW12064750F		2							
89	RK73H2BL2001F		2							
91	RK73H2BL2211F		2							
93	RK73H2BL3921F		2							
95	RK73H2BL4751F		2							
97	RK73H2BL2742F		2							
99	RK73H2BL2874F		2							
101	RK73H2BL4752F		2							
103	RK73H2BL5622F		2							
105	CRCW120633R2FB		2							
107	RK73H2BL2210F		2							
109	RM73Z2B		2							
111	RWR81S2370FR		2							
113	831-0037-001		2							
- 115	NM27C256VE200		3							
117	SOMC160336R0GDC		2							

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
18						
119	833-5502-070		2	RESISTOR, NETWORK 10K, 2% (ESDS) (V11236) 833-5502-070 A6U2 A6U5 A6U8 A6U11 A6U37		5
121	833-5502-080		2	MICROCIRCUIT (ESDS) (V11236) 833-5502-080 A6U1 A6U4 A6U7 A6U10		4
123	833-5502-140		2	RESISTOR, NETWORK, 62K OHM, .25W, 2% (V11236) 833-5502-140 A6U34 A6U43		2
125	833-5502-180		2	RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A6U33 A6U42		2
127	833-5502-190		2	RESISTOR, NETWORK, 270K OHM, .25W, 2% (V11236) 833-5502-190 A6U36 A6U46		2
129	RK73Z2EL		2	RESISTOR, FIXED, 0 OHM (V59124) 833-6008-030 A6R92		1
131	834-0516-030		2	CAPACITOR, FIXED, 22UF, 60V (V7M138) 834-0516-030 PN IS REF NO FOR 678D226M060CG5DD444		1
133	TAJC475K025H		2	CAPACITOR, FIXED 4.7UF, 10%, 25V (V04222) 834-2008-150 A6C100		1
135	TAJG688K020H		2	CAPACITOR, FIXED 6.8UF, 10%, 20V (V04222) 834-2008-170 A6C50 A6C75 A6C142 A6C143		4
137	TAJD156K025H		2	CAPACITOR, FIXED 15UF, 10%, 25V (V04222) 834-2008-220 A6C53 A6C58 A6C59 A6C64 A6C65 A6C67		6
139	TAJG105K050H		2	CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 A6C101 A6C115 A6C116 A6C117 A6C118 A6C119		6
141	834-5000-020		2	CAPACITOR, FIXED CER DIEL, .10UF, 10%, 100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L		1
143	12065C103KAT2A		2	A6C124 CAPACITOR, FIXED 10,000PF, 10%, 50V (V04222) 834-5005-250 A6C8 A6C17 A6C25 A6C34 A6C78 A6C79 A6C80 A6C81 A6C82 A6C83 A6C84 A6C85 A6C86 A6C87 A6C88 A6C89 A6C90 A6C91 A6C92 A6C93 A6C94 A6C96 A6C97 A6C120 A6C121 A6C125 A6C126 A6C127 A6C128 A6C140 A6C141 A6C171 A6C203 A6C206 A6C210 A6C211 A6C212 A6C213 A6C214 A6C220 A6C222 A6C223 A6C237 CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 A6C49 A6C202		43
145	C1206C104K5RAC		2	MICROCIRCUIT (V64155) 835-0048-010 A6U203 A6U204 A6U205 A6U208 A6U214		2
147	LT1016		2	MICROCIRCUIT (V1M007) 835-0060-020 A6U39 A6U40		5
149	MC34081BD		2	MICROCIRCUIT (V1M007) 351-3460-010 A6U215		2
151	MC74HC4316AD		2	MICROCIRCUIT (V61722) 835-1570-010 A6U118		1
153	835-1570-010		2	MICROCIRCUIT (ESDS) (V01295) 835-4507-030 A6U116		1
155	CD74AC374M		2			1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
18			1			
157	74AC04SC		2	MICROCIRCUIT, DIGITAL (ESDS) (V7D893) 835-4509-030 A6U30		1
159	IDTT7130LA100JI		2	MICROCIRCUIT (V61772) 835-5891-010 A6U104		1
161	MMBD301LT1		2	DIODE (V1MQ07) 844-0003-020 A6CR46 A6CR48 A6CR49 A6CR51 A6CR120 A6CR206 A6CR207 A6CR208 A6CR209 A6CR210 A6CR211 A6CR224 A6CR226 A6CR231 A6CR232 A6CR234 A6CR236 A6CR238 A6CR240		19
163	P6SMB36A		2	DIODE (V1MQ07) 844-0082-180 A6VR1 A6VR2 A6VR4 A6VR7 A6VR8 A6VR9 A6VR10 A6VR11 A6VR12 A6VR13 A6VR14 A6VR15 A6VR16 A6VR17 A6VR19		15
165	1SMC36A		2	DIODE (V1MQ07) 844-0097-250 A6VR5 A6VR18		2
167	P6SMB11CA		2	DIODE (ESDS) (V14936) 844-0103-010 A6VR3		1
169	1812-153K		2	COIL, 15UH (V99800) 849-0025-270 A6L101 A6L102 A6L103 A6L104		4
171	1812-333K		2	COIL, 33UH (V99800) 849-0025-310 A6L5 A6L106		2
173	849-0512-010		2	CAPACITOR, FIXED, .0022UF, 100V (V18796) 849-0512-010 PN1S REF NO FOR DSS9NC52A222055B		1
175	2743019446L		2	A6FL1 BEAD, FERRITE (V34899) 852-3002-010 A6Z4 A6Z8 A6Z16 A6Z20 A6Z24 A6Z28 A6Z36 A6Z40 A6Z44 A6Z48 A6Z52 A6Z56 COIL, 50UH (V00204) 852-3005-040		12
177	852-3005-040		2	A6L7 CONNECTOR, ELECTRICAL (EFF THRU REV D)		1
179	653-3984-001		2	A6P3 CONNECTOR (V00779) 372-0033-750		1
- 179A	1-535542-2		2	(EFF REV E) CAPACITOR, FIXED CER, DIEL, 1000PF, 20%, 1000V (V81349) 913-1186-000 A6C122		1
181	CK60AW102M		2	CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V (V04222) 913-3667-030		2
183	0805A100JATBA		2	A6C176 A6C228 CAPACITOR, FIXED CER DIEL 27PF, 5%, 50V (V04222) 913-3667-080		2
185	0805A270JATBA		2	A6C61 A6C209 CAPACITOR, FIXED CER DIEL, 33PF, 5%, 50V (V04222) 913-3667-090		4
187	0805A330JATBA		2	A6C232 A6C233 A6C234 A6C235 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110		4
189	0805A470JATBA		2	A6C55 A6C60 A6C73 A6C98 A6C99 A6C236 CAPACITOR, FIXED CER DIEL, 470PF, 5%, 50V		6
191	0805A471JATBA		2			55

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	I N D E N T	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
18				(V04222) 913-3667-230 A6C1 A6C2 A6C3 A6C4 A6C5 A6C6 A6C7 A6C9 A6C10 A6C11 A6C12 A6C13 A6C14 A6C15 A6C16 A6C18 A6C19 A6C20 A6C21 A6C22 A6C23 A6C24 A6C26 A6C27 A6C28 A6C29 A6C30 A6C31 A6C32 A6C33 A6C35 A6C102 A6C103 A6C104 A6C105 A6C106 A6C107 A6C108 A6C109 A6C110 A6C111 A6C112 A6C113 A6C114 A6C129 A6C130 A6C131 A6C132 A6C133 A6C134 A6C135 A6C136 A6C137 A6C138 A6C139 CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V (V04222) 913-3667-470 A6C51 A6C52 A6C221 A6C241 CAPACITOR, FIXED CER DIEL 1500PF, 5%, 50V (V04222) 913-3667-370 A6C217 A6C218		2	4
193	08055A221JATTBA		2				
195	18055A152JATTBA		2			2	

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 19. IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C100	C-2	313	C139	A-2	307	C218	A-2*	289	C256	C-4*	17
C102	C-3	301	C140	A-3	297	C219	A-2*	307	C257	C-3*	301
C103	C-3	301	C141	A-3	297	C220	A-2*	325	C259	A-4*	301
C104	C-1	315	C142	A-4	297	C221	B-4*	299	C260	A-4*	301
C105	C-2	215	C143	A-3	297	C222	A-4*	15	C261	C-2*	299
C106	C-2	215	C144	A-2	311	C223	A-3*	301	C262	C-3*	301
C107	C-4	297	C145	A-2	329	C224	B-3*	289	C300	C-5	297
C108	C-4	301	C147	A-1	307	C225	B-4*	289	C301	C-5	317
C109	C-1	301	C148	A-1	315	C226	B-1*	301	C302	C-5	283
C110	C-2	311	C149	A-1	317	C227	B-1*	271	C303	C-6	211
C111	C-2	307	C150	A-2	215	C228	B-4*	289	C304	C-6	283
C112	C-3	297	C151	A-3	297	C229	B-3*	301	C305	C-6	299
C113	C-3	297	C152	A-3	297	C230	B-2*	301	C306	C-6	319
C114	C-3	297	C153	A-4	299	C231	B-2*	301	C307	B-5	281
C115	C-1	283	C154	A-2	313	C232	B-4*	297	C308	B-5	281
C116	C-2	311	C155	A-4	297	C233	B-4*	283	C309	B-6	299
C117	C-2	329	C157	A-2	299	C234	B-3*	277	C310	B-6	301
C118	C-1	301	C159	A-4	17	C235	B-3*	297	C311	B-5	279
C119	C-1	317	C160	A-3	301	C236	C-4*	17	C312	B-5	279
C120	C-2	215	C200	A-4*	301	C237	C-3*	305	C313	B-6	299
C121	C-3	297	C201	A-4*	297	C238	C-3*	297	C314	B-6	301
C122	C-1	307	C202	A-3*	305	C239	C-3*	301	C315	A-5	301
C123	C-2	313	C203	A-3*	279	C240	C-3*	297	C316	B-5	279
C124	C-4	299	C204	A-3*	301	C241	C-4*	13	C317	B-5	279
C125	C-3	297	C205	A-2*	301	C242	C-1*	325	C318	A-6	301
C126	B-2	271	C206	A-3*	297	C243	C-1*	299	C319	A-5	277
C127	B-3	289	C207	A-2*	297	C244	C-4*	279	C320	A-6	281
C128	B-4	289	C208	A-2*	307	C245	C-2*	307	C321	A-5	301
C130	B-4	283	C209	A-1*	307	C246	C-2*	307	C322	A-6	281
C131	A-2	215	C210	A-1*	17	C247	C-4*	301	C352	B-6	317
C132	A-2	215	C211	A-4*	301	C248	C-4*	297	C400	A-6*	285
C133	A-1	313	C212	A-4*	297	C249	C-4*	297	C401	A-6*	301
C134	A-4	13	C213	A-3*	277	C250	C-3*	301	C402	A-6*	301
C135	A-1	283	C214	A-1*	307	C252	C-1*	307	C403	A-5*	301
C136	A-1	301	C215	A-4*	301	C253	C-1*	17	C404	A-5*	279
C137	A-1	301	C216	A-1*	299	C254	C-1*	307	C405	A-5*	279
C138	A-2	311	C217	A-1*	301	C255	C-1*	301	C406	A-6*	301

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

Figure 19. IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C407	A-5*	297	C514	B-11	9	CR204	B-1*	59	L118	A-3	33
C408	B-6*	15	C515	B-11	9	CR205	B-3*	71	L119	A-1	251
C409	B-5*	299	C516	B-9	11	CR206	B-1*	59	L120	A-2	247
C410	B-6*	297	C517	B-7	207	CR207	B-4*	73	L121	A-4	33
C411	B-6*	301	C518	B-10	11	CR208	C-1*	59	L122	A-1	249
C412	B-5*	301	C519	B-11	309	CR300	C-6	61	L123	A-3	31
C413	B-5*	301	C520	A-12	301	CR301	B-5	75	L124	A-2	247
C414	C-6*	281	C521	A-8	207	CR302	A-5	69	L200	A-2*	249
C415	C-6*	281	C522	A-8	207	CR400	A-5*	75	L201	C-1*	259
C416	C-5*	301	C523	A-9	207	CR500	C-8	57	L202	C-2*	249
C417	C-5*	301	C524	A-10	7	CR501	C-10	245	L300	C-5	27
C418	C-6*	295	C525	A-8	207	CR502	C-12	69	L301	C-6	41
C419	C-6*	271	C526	A-9	207	CR503	C-12	69	L302	C-6	35
C420	C-5*	293	C527	A-9	207	CR504	C-10	241	L303	C-6	23
C421	C-5*	283	C528	A-12	303	CR505	B-10	241	L304	B-5	23
C422	C-5*	295	C529	A-7	299	CR600	C-11*	243	L305	B-6	33
C423	C-5*	277	C600	A-11*	327	FL500	C-7	253	L306	B-5	37
C424	C-5*	293	C601	A-10*	13	J10	B-1	77	L307	B-5	39
C425	C-5*	299	C602	B-7*	19	J9	B-1	77	L308	B-6	27
C426	C-5*	283	C603	B-7*	301	L100	C-2	331	L309	B-5	37
C427	C-5*	275	C604	B-9*	209	L101	C-2	247	L310	B-6	29
C428	C-5*	273	C605	B-11*	303	L102	C-4	25	L311	A-6	259
C429	C-5*	283	C606	C-11*	287	L103	C-3	29	L312	A-6	39
C500	C-11	297	C607	C-11*	303	L104	C-3	25	L313	A-6	39
C501	C-7	11	C609	C-8*	291	L105	C-1	251	L314	A-5	323
C502	C-8	11	C610	C-11*	13	L106	C-1	249	L400	A-6*	259
C503	C-10	9	C611	C-11*	289	L107	C-3	31	L401	A-6*	259
C504	C-10	9	CR100	B-4	59	L108	C-3	25	L402	B-6*	259
C505	C-12	21	CR101	B-3	73	L109	C-2	247	L403	C-5*	259
C506	C-8	207	CR102	B-4	59	L110	B-4	25	L500	B-10	263
C507	C-7	213	CR103	A-4	59	L111	B-2	39	L501	B-11	261
C508	C-11	9	CR104	A-4	73	L112	B-2	39	L502	B-10	263
C509	B-12	269	CR105	A-4	73	L113	B-1	259	L503	B-8	265
C510	C-8	207	CR200	A-1*	59	L114	B-4	33	L504	B-9	261
C511	B-10	11	CR201	A-2*	59	L115	B-4	31	Q100	C-2	237
C512	B-8	207	CR202	A-3*	73	L116	A-2	331	Q101	C-1	55
C513	B-7	207	CR203	B-4*	71	L117	A-3	29	Q102	C-1	55

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 19. IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
Q103	A-2	237	R120	B-4	93	R210	A-3*	169	R248	B-1*	175
Q104	A-1	55	R121	B-4	149	R211	A-4*	179	R249	B-1*	125
Q105	A-1	55	R122	B-2	195	R212	A-4*	121	R250	B-4*	93
Q200	A-3*	239	R123	C-4	197	R213	A-4*	179	R251	B-4*	125
Q201	B-4*	51	R124	B-3	197	R214	A-2*	169	R252	B-4*	175
Q202	B-2*	51	R125	B-2	129	R215	A-2*	121	R253	C-4*	97
Q203	B-2*	53	R126	B-4	149	R216	A-3*	179	R254	C-4*	85
Q204	B-3*	239	R127	B-3	199	R217	A-3*	179	R255	C-4*	153
Q205	B-2*	51	R128	B-4	87	R218	A-2*	203	R256	C-3*	169
Q206	B-4*	51	R129	B-2	93	R219	A-1*	131	R257	C-3*	121
Q207	C-4*	51	R130	A-3	83	R220	A-1*	177	R258	C-3*	121
Q300	A-5	53	R131	B-4	197	R221	A-4*	153	R259	C-3*	179
Q400	B-5*	51	R132	A-1	141	R222	A-3*	107	R260	C-3*	169
Q500	C-9	235	R133	B-3	197	R223	A-3*	85	R261	C-3*	179
Q501	C-12	233	R134	A-3	107	R224	A-3*	179	R262	C-2*	321
Q502	B-12	53	R135	A-3	107	R225	A-2*	121	R263	C-3*	169
Q600	A-7*	51	R137	A-4	199	R226	A-2*	179	R264	C-2*	169
R100	C-2	93	R138	A-1	131	R227	A-4*	125	R265	C-2*	183
R101	C-3	83	R139	A-1	121	R228	A-4*	107	R266	C-1*	93
R102	C-3	83	R140	A-1	193	R229	A-4*	125	R267	C-1*	109
R103	C-3	107	R141	A-3	179	R230	A-3*	107	R268	C-3*	179
R104	C-4	179	R142	A-3	169	R231	A-3*	175	R270	C-1*	141
R105	C-1	141	R143	A-3	121	R232	A-3*	107	R271	C-1*	177
R106	C-3	107	R144	A-4	169	R233	A-2*	105	R272	C-4*	125
R107	C-4	107	R147	A-4	199	R234	A-1*	141	R273	C-3*	121
R108	C-4	121	R149	A-4	107	R235	A-1*	93	R274	C-3*	121
R109	C-1	131	R150	B-3*	199	R236	A-1*	109	R275	C-2*	179
R110	C-1	121	R151	B-4	93	R237	B-4*	125	R276	C-2*	203
R111	C-1	193	R201	A-3*	121	R238	B-4*	83	R277	C-2*	105
R112	C-4	205	R202	A-3*	205	R240	B-2*	93	R278	C-2*	83
R113	C-4	107	R203	A-2*	321	R241	B-2*	125	R279	C-4*	179
R114	C-3	169	R204	A-2*	183	R242	B-2*	85	R280	C-4*	169
R115	C-3	179	R205	A-4*	121	R243	B-2*	109	R281	C-3*	121
R116	C-3	121	R206	A-3*	169	R244	B-4*	101	R282	C-4*	169
R117	C-4	125	R207	A-3*	121	R245	B-3*	85	R283	C-3*	107
R118	B-1	175	R208	A-3*	169	R246	B-2*	87	R284	C-3*	107
R119	B-3	87	R209	A-3*	169	R247	B-2*	85	R285	C-3*	107

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

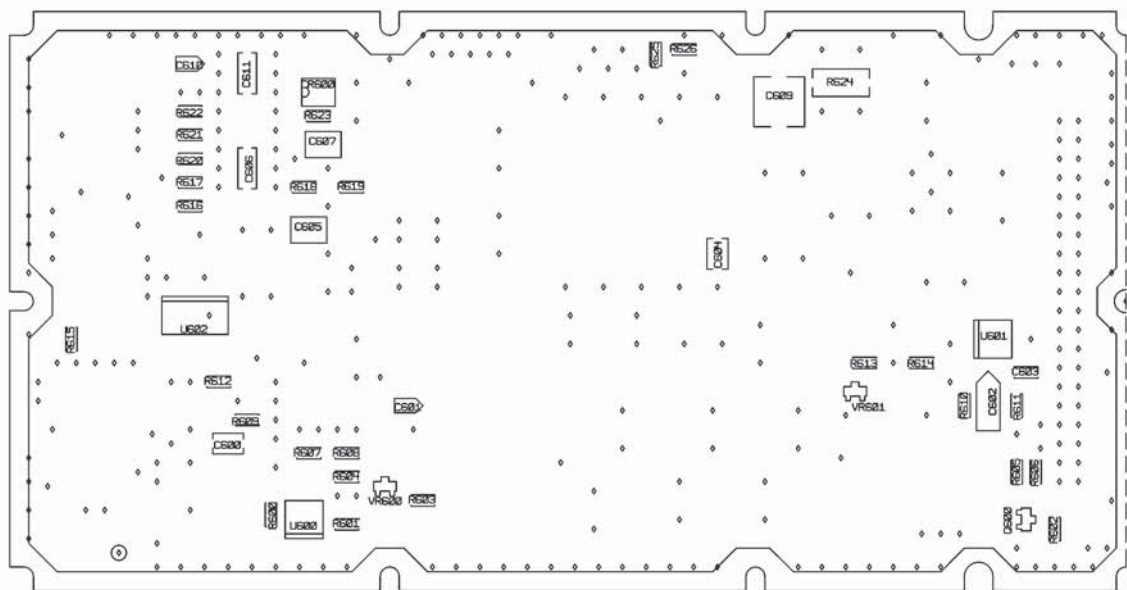
Figure 19. IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
R286	C-1*	131	R415	B-5*	145	R601	A-10*	119	U301	C-6	231
R289	A-4*	167	R416	B-6*	109	R602	A-7*	97	U302	B-5	43
R290	A-4*	167	R417	B-6*	109	R603	A-10*	95	U303	B-6	43
R291	A-2	83	R421	B-6*	109	R604	A-10*	117	U304	A-5	221
R292	C-4*	167	R422	B-6*	109	R605	A-7*	159	U400	A-6*	219
R293	C-3*	167	R423	B-5*	113	R606	A-7*	137	U500	C-11	225
R300	C-5	183	R424	C-6*	185	R607	A-11*	125	U501	B-12	45
R301	C-5	83	R425	B-5*	101	R608	A-10*	127	U502	A-12	45
R302	C-5	85	R426	B-5*	101	R609	A-11*	167	U503	A-11	47
R303	C-5	119	R427	C-6*	125	R610	A-7*	123	U600	A-11*	217
R304	C-5	187	R428	C-6*	125	R611	A-7*	103	U601	B-7*	227
R305	C-5	195	R429	C-5*	83	R612	B-11*	165	U602	B-11*	49
R306	B-5	151	R430	C-6*	339	R613	B-8*	137	VR500	C-12	65
R307	B-5	151	R431	C-6*	199	R614	B-7*	99	VR502	C-12	181
R308	A-5	115	R432	D-6*	189	R615	B-12*	91	VR600	A-10*	63
R309	A-5	171	R433	C-5*	199	R616	C-11*	199	VR601	B-8*	67
R310	A-5	115	R500	C-9	173	R617	C-11*	143			
R311	A-5	89	R502	C-11	167	R618	C-11*	85			
R312	A-5	101	R503	C-11	85	R619	C-10*	85			
R313	A-6	101	R504	B-12	85	R620	C-11*	163			
R314	A-5	171	R505	B-12	161	R621	C-11*	155			
R315	A-5	111	R506	B-12	137	R622	C-11*	199			
R400	A-6*	141	R507	C-11	191	R623	C-11*	139			
R401	A-6*	101	R508	B-12	147	R624	C-8*	201			
R402	A-6*	101	R509	B-12	133	R625	C-9*	83			
R403	A-6*	141	R510	B-11	83	R626	C-9*	85			
R404	A-5*	115	R511	B-12	93	T500	C-9	267			
R405	A-6*	83	R512	B-12	159	U100	C-4	229			
R406	A-5*	115	R513	B-12	87	U101	C-3	229			
R407	A-5*	141	R514	B-12	157	U102	C-3	229			
R408	A-5*	129	R515	B-12	135	U103	B-1	255			
R409	B-6*	157	R516	A-12	145	U104	B-3	257			
R410	B-6*	145	R517	A-12	85	U105	A-3	229			
R411	B-5*	187	R518	A-11	155	U106	A-3	229			
R412	B-5*	151	R519	A-12	155	U107	A-4	229			
R413	B-5*	151	R527	A-7	109	U200	B-3*	229			
R414	B-6*	145	R600	A-11*	95	U300	C-5	223			

* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

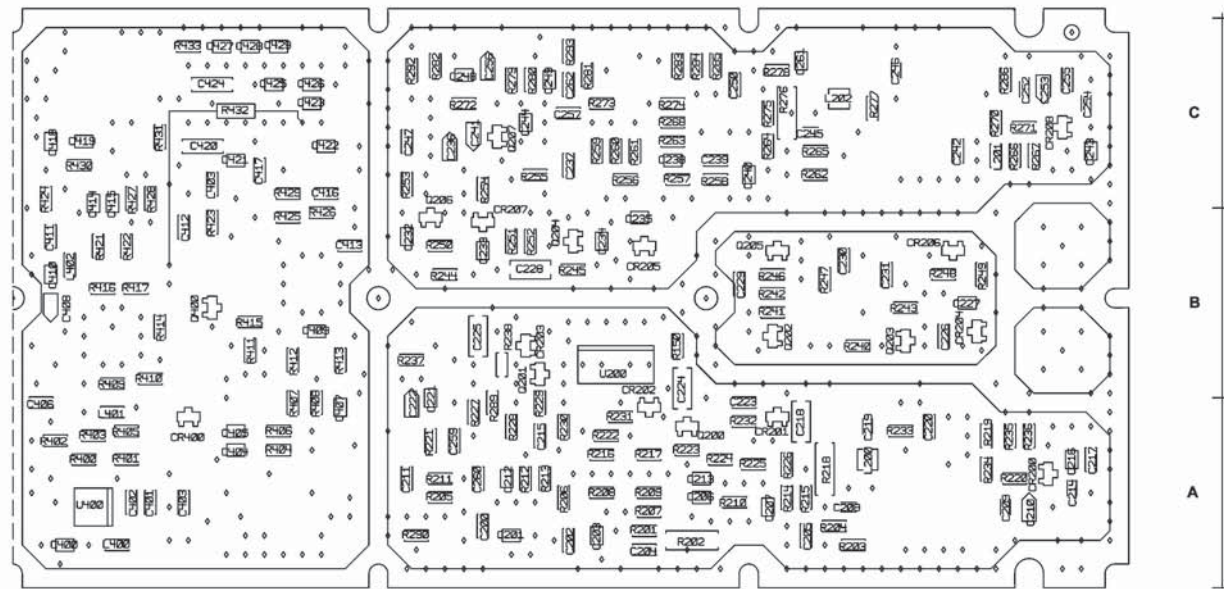


PARTIAL BACKSIDE VIEW

TPH6288_01

IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)
 Figure 19 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-169-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

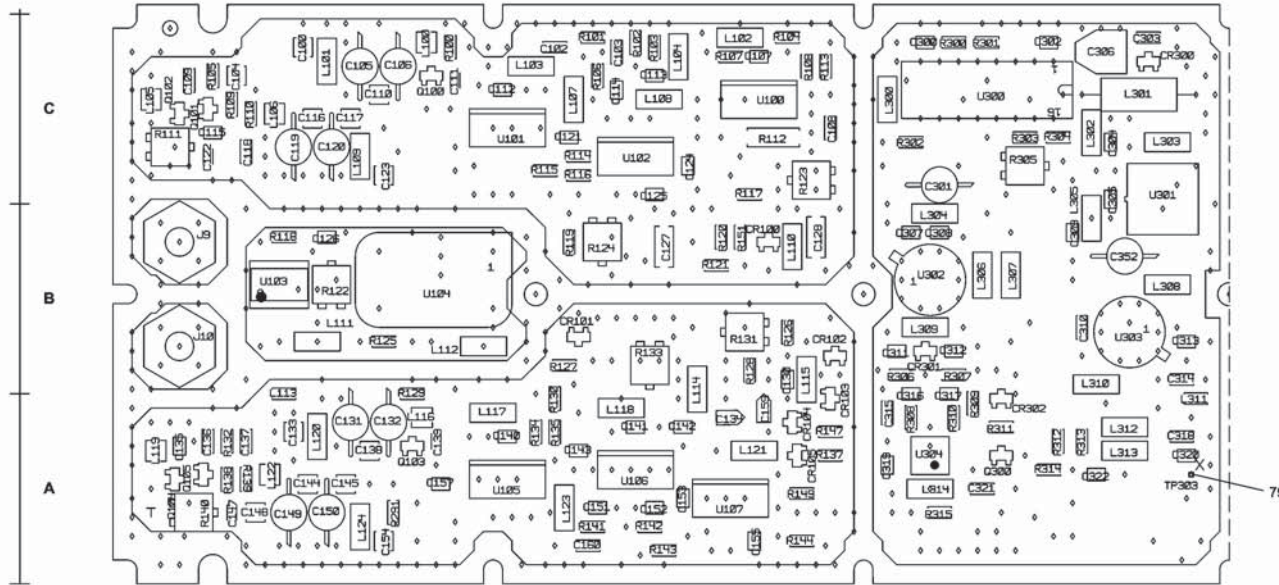
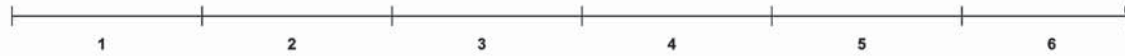


PARTIAL BACKSIDE VIEW

TPH6288_02

IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)
 Figure 19 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-169-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

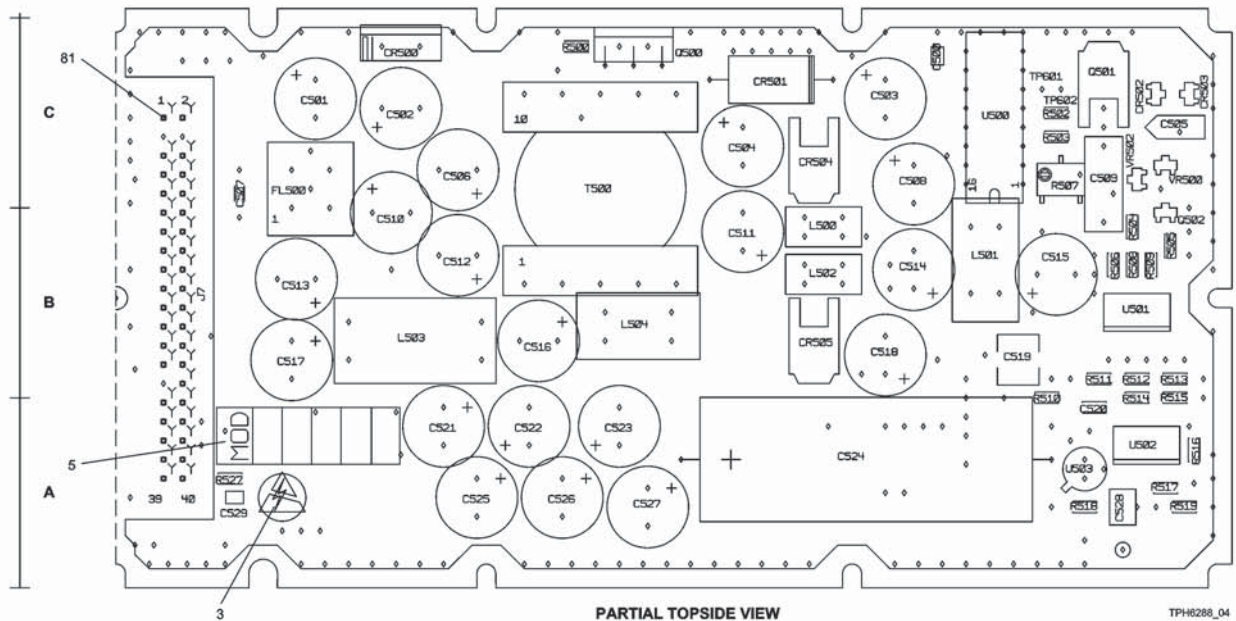


PARTIAL TOPSIDE VIEW

TPH6288_03

IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)
 Figure 19 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-169-A01

ROCKWELL COLLINS
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IF Receiver, DPSK Detector, and LVPS Circuit Card A7 (CPN 687-0727-004)
 Figure 19 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-169-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19						
1	687-0727-004		1	CIRCUIT CARD, JF RECEIVER, DPSK DETECTOR, LVPS (SEE FIG 3-25 FOR NHA)		RF
3	280-2745-010		2	A7 LABEL, ESDS WARNING (V12998) 280-2745-010		1
- 3A	M39018-01-1161M		2	A7 LABEL, ESDS WARNING (V81349) 280-2745-040 (EFF REV D)		1
5	280-3778-050		2	LABEL, INFORMATION (V0BU16) 280-3778-050		1
7	601D138G7R5FL3A		2	CAPACITOR, FIXED, 1300UF, 7.5V (V0P569) 183-1465-560		1
9	834-0516-010		2	A7C524 CAPACITOR, FIXED, 100UF, 20V (V7M138) 834-0516-010		5
11	834-0516-020		2	PN IS REF NO FOR 678D107M020CG5DD443 A7C503 A7C504 A7C508 A7C514 A7C515 CAPACITOR, FIXED, 150UF, 15V (V7M138) 834-0516-020		5
13	195D105X0010S2		2	PN IS REF NO FOR 678D157M015CG5DD450 A7C501 A7C502 A7C511 A7C516 A7C518 CAPACITOR, FIXED, 1UF, 10V (V56289) 184-2551-080		4
15	195D475X0010S2		2	A7C194 A7C241 A7C601 A7C610 CAPACITOR, FIXED TNTLM 4.7UF, 20%, 10V (V56289) 184-2551-100		2
17	195D155X0025S2		2	A7C222 A7C408 CAPACITOR, FIXED TNTLM 1.5UF, 20%, 25V (V56289) 184-2551-170		5
19	195D475X0025X2		2	A7C189 A7C210 A7C236 A7C253 A7C256 CAPACITOR, FIXED TNTLM 4.7UF, 20%, 25V (V56289) 184-2551-190		1
21	195D106X0025Y2		2	A7C602 CAPACITOR, FIXED TNTLM 10UF, 20%, 25V (V56289) 184-2551-210		1
23	2510-00J		2	A7C505 COIL, 1UH (V99800) 240-0116-010		2
25	2510-26J		2	A7L303 A7L304 COIL, 1.2UH (V99800) 240-0116-140		4
27	2510-18J		2	A7L102 A7L104 A7L108 A7L110 COIL, .56UH (V99800) 240-0116-100		2
29	2510-20J		2	A7L300 A7L308 COIL, .68UH (V99800) 240-0116-110		3
31	2510-22K		2	A7L103 A7L117 A7L310 COIL, .82UH (V99800) 240-0116-120		3
33	2510-24J		2	A7L107 A7L115 A7L123 COIL, 1UH (V99800) 240-0116-130		4
35	2510-32J		2	A7L114 A7L118 A7L121 A7L305 COIL, 2.2UH (V99800) 240-0116-170		1
37	2510-34J		2	A7L302 COIL, 2.7UH (V99800) 240-0116-180		2
39	2510-38J		2	A7L306 A7L309 COIL, 3.9UH (V99800) 240-0116-200		5
41	MS75087-5		2	A7L111 A7L112 A7L307 A7L312 A7L313 COIL, .22UH (V96906) 240-2715-050		1
43	1596BIAJC		2	A7L301 MICROCIRCUIT (ESDS) (V04713) 351-0043-010		2

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19						
45	LM2901D		2	TRUE PN IS 1596/BLAJC A7U302 A7U303 MICROCIRCUIT (ESDS) (V01295) 351-0656-010		2
47	AD580TH		2	A7U501 A7U502 MICROCIRCUIT (ESDS) (V24355) 351-1301-020		1
49	CD74HC14M		2	A7U503 MICROCIRCUIT (ESDS) (V81349) 351-3705-020		1
51	PMBT2222A		2	A7U602 TRANSISTOR (ESDS) (V18924) 352-9113-010 A7Q201 A7Q202 A7Q205 A7Q206 A7Q207 A7Q400 A7Q600		7
53	PMBT2907TR		2	TRANSISTOR (V18324) 352-9114-010 TRUE PN IS PMBT2907T/R A7Q203 A7Q300 A7Q502		3
55	BFS17		2	TRANSISTOR (V25403) 352-9120-010 A7Q101 A7Q102 A7Q104 A7Q105		4
57	USD845		2	DIODE (V50101) 353-6619-010 A7CR500		1
59	MMEBV3401		2	DIODE (V1MQ07) 353-8130-010 A7CR100 A7CR102 A7CR103 A7CR200 A7CR201 A7CR204 A7CR206 A7CR208		8
61	MMEBV105G		2	DIODE (V1MQ07) 353-8132-010 A7CR300		1
63	MMBZ5231BLT1		2	DIODE (V1MQ07) 353-8133-060 A7VR600		1
65	MMBZ5237BLT1		2	DIODE (ESDS) (V1MQ07) 353-8133-120 A7VR500		1
67	MMBZ5257BLT1		2	DIODE (V1MQ07) 353-8133-320 A7VR601		1
69	MMBD6050		2	DIODE (V1MQ07) 353-8135-010 A7CR302 A7CR502 A7CR503		3
71	MMBD6100LT1		2	DIODE (V1MQ07) 353-8135-020 A7CR203 A7CR205		2
73	M5C		2	DIODE (V81349) 353-8135-030 A7CR101 A7CR104 A7CR105 A7CR202 A7CR207		5
75	BAST0-04		2	DIODE (V12954) 353-8136-010 A7CR301 A7CR400		2
77	M39012-95-0001		2	CONNECTOR, RCPT, ELEC (V81349) 357-7405-010 A7J9 A7J10		2
79	NA1104-033		2	CONTACT, ELECTRICAL (V57863) 372-2601-033		1
81	NA1104-045		2	CONTACT, ELECTRICAL (V57863) 372-2601-045		37
83	705-3522-010		2	RESISTOR, FIXED FILM, 10.0 OHMS, 1%, 100MW (ESDS) (V81349) 705-3522-010 PN IS REF NO FOR M55342-6K4752FRR A7R101 A7R102 A7R130 A7R238 A7R278 A7R291 A7R301 A7R405 A7R429 A7R510 A7R625		11

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY			
			I	N	D				T		
85	CRCW12061002F		2			RESISTOR, FIXED 10K, 1%, 0.4W (V56845) 705-3535-020 A7R223 A7R242 A7R245 A7R247 A7R254 A7R302 A7R503 A7R504 A7R517 A7R618 A7R619 A7R626 RESISTOR, FIXED 20000 OHM, 1%, 0.25W (V56845) 705-3535-030 A7R119 A7R128 A7R246 A7R513 RESISTOR, FIXED FILM, 100K, 1%, 125MW (V56845) 705-3535-060 A7R311 RESISTOR, FIXED 150K, 1%, 125MW (V56845) 705-3535-090 A7R615 RESISTOR, FIXED FILM, 1K, 1%, 0.4W (V56845) 705-3535-200 A7R100 A7R120 A7R129 A7R151 A7R235 A7R240 A7R250 A7R266 A7R511 RESISTOR, FIXED FILM, 12.1K, 1%, 125MW (V56845) 705-3535-270 A7R600 A7R603 RESISTOR, FIXED FILM, 3.32K, 1%, 125MW (V56845) 705-3535-300 A7R253 A7R602 RESISTOR, FIXED FILM, 75K, 1%, 125MW (V56845) 705-3535-340 A7R614 RESISTOR, FIXED FILM, 332 OHMS, 1%, 125MW (V56845) 705-3535-590 A7R244 A7R312 A7R313 A7R401 A7R402 A7R425 A7R426 RESISTOR, FIXED FILM 357 OHMS, 1%, 125MW (V56845) 705-3535-620 A7R611 RESISTOR, FIXED FILM 392 OHMS, 1%, 125MW (V56845) 705-3535-660 A7R233 A7R277 RESISTOR, FIXED FILM, 432 OHMS, 1%, 0.4W (V56845) 705-3535-690 A7R103 A7R106 A7R107 A7R113 A7R134 A7R135 A7R149 A7R222 A7R228 A7R230 A7R232 A7R283 A7R284 A7R285 RESISTOR, FIXED FILM, 475 OHMS, 1%, 125MW (V56845) 705-3535-730 A7R236 A7R243 A7R267 A7R416 A7R417 A7R421 A7R422 A7R527 RESISTOR, FIXED 562 OHMS, 1%, 125MW (V56845) 705-3535-800 A7R315 RESISTOR, FIXED FILM, 619 OHMS, 1%, 125MW (V56845) 705-3535-840 A7R423 RESISTOR, FIXED FILM, 825 OHMS, 1%, 125MW (V56845) 705-3535-950 A7R308 A7R310 A7R404 A7R406 RESISTOR, FIXED FILM, 1.21K, 1%, 0.025W (V59124) 705-3537-080 A7R604 RESISTOR, FIXED FILM, 1.62K, 1%, 125MW (V59124) 705-3537-200 A7R303 A7R601	2				12
87	CRCW12062002F		2					4			
89	CRCW12061003F		2					1			
91	CRCW12061503F		2					1			
93	CRCW12061001F		2					9			
95	CRCW12061212F		2					2			
97	CRCW12063321F		2					2			
99	CRCW12067502F		2					1			
101	CRCW12063320F		2					7			
103	CRCW12063570F		2					1			
105	CRCW12063920F		2					2			
107	CRCW12064320F		2					14			
109	CRCW12064750F		2					8			
111	CRCW12065620F		2					1			
113	CRCW12066190F		2					1			
115	CRCW12068250F		2					4			
117	RK73H2BL1211F		2					1			
119	RK73H2BL1621F		2					2			

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	1 D E N T	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
121	RK73H2BL1821F		2	RESISTOR, FIXED FILM, 1.82K, 1%, 125MW (V59124) 705-3537-250 A7R108 A7R110 A7R116 A7R139 A7R143 A7R201 A7R205 A7R207 A7R212 A7R215 A7R225 A7R257 A7R258 A7R273 A7R274 A7R281 RESISTOR, FIXED FILM, 2K, 1%, 0.4W (V59124) 705-3537-290 A7R610 RESISTOR, FIXED FILM, 2.21K, 1%, 125MW (V59124) 705-3537-330 A7R117 A7R227 A7R229 A7R237 A7R241 A7R249 A7R251 A7R272 A7R427 A7R428 A7R607 RESISTOR, FIXED FILM, 2.43K, 1%, 125MW (V59124) 705-3537-370 A7R608 RESISTOR, FIXED FILM, 3.57K, 1%, 125MW (V59124) 705-3537-490 A7R125 A7R408 RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530 A7R109 A7R138 A7R219 A7R286 RESISTOR, FIXED FILM, 4.32K, 1%, 125MW (V59124) 705-3537-560 A7R509 RESISTOR, FIXED FILM, 4.75K, 1%, 0.4W (V59124) 705-3537-600 A7R515 RESISTOR, FIXED FILM, 5.11K, 1%, 125MW (V59124) 705-3537-620 A7R506 A7R606 A7R613 RESISTOR, FIXED FILM 5.36K, 1%, 125MW (V59124) 705-3537-640 A7R623 RESISTOR, FIXED FILM, 8.25K, 1%, 125MW (V59124) 705-3537-780 A7R105 A7R132 A7R234 A7R270 A7R400 A7R403 A7R407 RESISTOR, FIXED FILM, 9.09K, 1%, 125MW (V59124) 705-3537-810 A7R617 RESISTOR, FIXED FILM, 11K, 1%, 125MW (V59124) 705-3537-880 A7R410 A7R414 A7R415 A7R516 RESISTOR, FIXED FILM, 13K, 1%, 125MW (V59124) 705-3537-940 A7R508 RESISTOR, FIXED FILM, 15K, 1%, 125MW (V59124) 705-3537-990 A7R121 A7R126 RESISTOR, FIXED FILM, 18.2K, 1%, 125MW (V59124) 705-3538-080 A7R306 A7R307 A7R412 A7R413 RESISTOR, FIXED 33.2K, 1%, 125MW (V59124) 705-3538-310 A7R221 A7R255 RESISTOR, FIXED 39.2K, 1%, 125MW (V59124) 705-3538-370 A7R518 A7R519 A7R621 RESISTOR, FIXED FILM, 43.2K, 1%, 125MW (V59124) 705-3538-410 A7R409 A7R514 RESISTOR, FIXED FILM, 51.1K, 1%, 125MW (V59124) 705-3538-470 A7R512 A7R605 RESISTOR, FIXED FILM 56.2K, 1%, 125MW (V59124) 705-3538-510 A7R505		
122	RK73H2BL2431F		2			1
129	RK73H2BL3571F		2			2
131	RK73H2BL3921F		2			4
133	RK73H2BL4321F		2			1
135	RK73H2BL4751F		2			1
137	RK73H2BL5111F		2			3
139	RK73H2BL5361F		2			1
141	RK73H2BL8251F		2			7
143	RK73H2BL9091F		2			1
145	RK73H2BL1102F		2			4
147	RK73H2BL1302F		2			1
149	RK73H2BL1502F		2			2
151	RK73H2BL1822F		2			4
153	RK73H2BL3322F		2			2
155	RK73H2BL3922F		2			3
157	RK73H2BL4322F		2			2
159	RK73H2BL5112F		2			2
161	RK73H2BL5622F		2			1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
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TDR-94, PART NO 622-9352**

FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENTIFICATION			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
			I	N	D			
19								
163	RK73H2BL1213F		2			RESISTOR, FIXED FILM, 121K, 1%, 125MW (V59124) 705-3538-800 A7R620		1
165	RK73H2BL2213F		2			RESISTOR, FIXED FILM 221K, 1%, 125MW (V59124) 705-3539-020 A7R612		1
167	RK73H2BL22R1F		2			RESISTOR, FIXED 22.1 OHM,1%,0.25W (V59124) 705-3539-470 A7R289 A7R290 A7R292 A7R293 A7R502 A7R609		6
169	RK73H2BL30R1F		2			RESISTOR, FIXED FILM, 30.1 OHMS, 1%, 125MW (V59124) 705-3539-600 A7R114 A7R142 A7R144 A7R206 A7R208 A7R209 A7R210 A7R214 A7R256 A7R260 A7R263 A7R264 A7R280 A7R282		14
171	CRCW120633R2FB		2			RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640 A7R309 A7R314		2
173	RK73H2BL39R2F		2			RESISTOR, FIXED FILM, 39.2 OHMS, 1%, 0.25W (V59124) 705-3539-710 A7R500		1
175	RK73H2BL51R1F		2			RESISTOR, FIXED FILM, 51.1 OHMS, 1%, 0.4W (V59124) 705-3539-820 A7R118 A7R231 A7R248 A7R252		4
177	CRCW120656R2FB		2			RESISTOR, FIXED FILM 56.2 OHMS, 1%, 125MW (V56845) 705-3539-860 A7R220 A7R271		2
179	RK73H2BL61R9F		2			RESISTOR, FIXED 61.9 OHM, 1%, 0.025W (V59124) 705-3539-900 A7R104 A7R115 A7R141 A7R211 A7R213 A7R216 A7R217 A7R224 A7R226 A7R259 A7R261 A7R268 A7R275 A7R279		14
181	CMPZ5245B		2			DIODE (ESDS) (V55464) 353-8133-200 A7VR502		1
183	RK73H2BL1000F		2			RESISTOR, FIXED FILM, 100 OHMS, 1%, 0.4W (V59124) 705-3540-100 A7R204 A7R265 A7R300		3
185	RK73H2BL1210F		2			RESISTOR, FIXED FILM, 121 OHMS, 1%, 125MW (V59124) 705-3540-180 A7R424		1
187	RK73H2BL1820F		2			RESISTOR, FIXED FILM, 182 OHMS, 1%, 125MW (V59124) 705-3540-350 A7R304 A7R411		2
189	RLR05C3572FS		2			RESISTOR, FIXED 35700 OHM, 1%, 0.125W (V81349) 833-6049-180 A7R432		1
191	3269W1-202		2			RESISTOR, VARIABLE, 2K OHM, .25W, 10% (V80294) 833-1004-050 TRUE PN IS 3269W-1-202 A7R507		1
193	3314G1-101E		2			RESISTOR, VARIABLE, 100 OHM, .25W, 20% (V32997) 833-1005-010 TRUE PN IS 3314G-1-101E A7R111 A7R140		2
195	833-1005-040		2			RESISTOR, VARIABLE 1K, 1/4W (V22929) 833-1005-040 PN IS REF NO FOR TSS3YL 1K(OHMS) {+/-}20% A7R122 A7R305		2

- ITEM NOT ILLUSTRATED

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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19						
197	833-1005-070		2	RESISTOR, VARIABLE 10K, 1/4W (V22929) 833-1005-070 PN IS REF NO FOR TS53YL 10K(OHMS) (+/-)20% A7R123 A7R124 A7R131 A7R133 RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESDS) (V80205) 705-3543-020 A7R127 A7R137 A7R147 A7R150 A7R431 A7R433 A7R616 A7R622 RESISTOR, FIXED, .10 OHM, .1W, 5% (V59124) 833-6009-020 A7R624		4
199	FM7322B		2	RESISTOR, CHIP FILM, 0.05 OHM, 0.25W (ESDS) (V80205) 705-3543-020 A7R127 A7R137 A7R147 A7R150 A7R431 A7R433 A7R616 A7R622 RESISTOR, FIXED, .10 OHM, .1W, 5% (V59124) 833-6009-020 A7R624		8
201	RK73B3AL10R0F		2	RESISTOR, FIXED, 825 OHM, .6W, 1% (V91637) 833-6524-210 PN IS REF NO FOR RCWP7225825RFB A7R218 A7R276 RESISTOR, FIXED, 392 OHM, .6W, 1% (V91637) 833-6524-730 PN IS REF NO FOR RCWP7225392RFB A7R112 A7R202		1
203	833-6524-210		2	RESISTOR, FIXED, 825 OHM, .6W, 1% (V91637) 833-6524-210 PN IS REF NO FOR RCWP7225825RFB A7R218 A7R276 RESISTOR, FIXED, 392 OHM, .6W, 1% (V91637) 833-6524-730 PN IS REF NO FOR RCWP7225392RFB A7R112 A7R202		2
205	833-6524-730		2	RESISTOR, FIXED, 392 OHM, .6W, 1% (V91637) 833-6524-730 PN IS REF NO FOR RCWP7225392RFB A7R112 A7R202		2
207	834-0516-030		2	CAPACITOR, FIXED, 22UF, .60V (V7M138) 834-0516-030 PN IS REF NO FOR 678D226M060CG5PD444 A7C506 A7C510 A7C512 A7C513 A7C517 A7C521 A7C522 A7C523 A7C525 A7C526 A7C527		11
209	834-5000-020		2	CAPACITOR, FIXED CER DIEL., .10UF, 10%, .100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L A7C604		1
211	834-5009-340		2	CAPACITOR, FIXED, 4PF, .50V (V18796) 834-5009-340 PN IS REF NO FOR GRM42-6T2H4R0D050B8 A7C303		1
213	08052C472KAT9A		2	CAPACITOR, CER 4700PF, 10%, 200V (V04222) 834-5031-020 A7C507		1
215	9621-3SL		2	CAPACITOR, FIXED, 1PF, 250V (V91293) 834-7000-020 A7C105 A7C106 A7C120 A7C131 A7C132 A7C150		6
217	MC39072D		2	MICROCIRCUIT (V1M007) 835-0032-020 A7U600		1
219	LT1016		2	MICROCIRCUIT (V64155) 835-0048-010 A7U400		1
221	UPC1663G		2	MICROCIRCUIT (V62104) 835-0055-010 A7U304		1
223	SL1451		2	MICROCIRCUIT (V52648) 835-0119-010 A7U300		1
225	UC1825J		2	MICROCIRCUIT (V01295) 351-0715-010 A7U500		1
227	LM317		2	MICROCIRCUIT (V1M007) 835-1271-010 A7U601		1
229	CA3127M		2	MICROCIRCUIT (V34371) 835-1461-010 A7U100 A7U101 A7U102 A7U105 A7U106 A7U107 A7U200		7
231	MC10135FN		2	MICROCIRCUIT (V1M007) 835-1573-010 A7U801		1

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
			I	N	D			
233	MJD112		2			TRANSISTOR (ESDS) V1M0Q7) 843-0012-020 A7O501		1
235	IIRC640		2			TRANSISTOR V81483) 843-0020-020 A7O500		1
237	MMBFU310		2			TRANSISTOR (ESDS) V1M0Q7) 843-0021-010 A7Q100 A7Q103		2
239	MMBF4416		2			TRANSISTOR (ESDS) V1M0Q7) 843-9117-010 A7Q200 A7Q204		2
241	MURD320T4		2			DIODE V1M0Q7) 844-0004-020 A7CR504 A7CR505		2
243	MBRS120T3		2			DIODE (ESDS) V1M0Q7) 844-0005-020 A7CR600		1
245	50SQ080		2			DIODE V59993) 844-0010-010 A7CR501		1
247	4132		2			COIL, .62UH V99800) 849-0017-020 A7L101 A7L109 A7L120 A7L124		4
249	30020NT		2			COIL, .47UH V03550) 849-0020-210 A7L106 A7L122 A7L200 A7L202		4
251	30023NT		2			COIL, 0.82UH V03550) 849-0020-240 A7L105 A7L119		2
253	BNX002-01		2			CAPACITOR, FIXED, .2UF, 50V V12294) 849-0511-010 A7FL500		1
255	SMDK1		2			MICROCIRCUIT V63155) 850-0001-010 TRUE PN IS SMD-K1		1
257	014E60000XHDXX		2			A7U103 MICROCIRCUIT V054G1) 850-1017-010 A7U104		1
259	HF50ACB321611B		2			COIL, RF V7J069) 852-3001-010 TRUE PN IS HF50ACB321611-B A7L113 A7L201 A7L311 A7L400 A7L401 A7L402 A7L403		7
261	852-3005-020		2			COIL, 90UH V01086) 852-3005-020 A7L501 A7L504		2
263	852-3005-030		2			COIL, 43UH V01086) 852-3005-030 A7L500 A7L502		2
265	852-3005-050		2			COIL, 108UH V00204) 852-3005-050 A7L503		1
267	VE49718		2			TRANSFORMER, POWER V03550) 852-6016-010 A7T500		1
269	913-3279-310		2			CAPACITOR, FIXED, 3.3UF, 50V V18796) 913-3279-310 PN IS REF NO FOR RPEE41H335M6CEF168 A7CS09		1
271	08055A100JATBA		2			CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V V04222) 913-3667-030 A7C126 A7C227 A7C419		3
273	08055A150JATBA		2			CAPACITOR, FIXED CER DIEL, 15PF, 5%, 50V V04222) 913-3667-050 A7C428		1

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19						
275	08055A220JATBA		2	CAPACITOR, FIXED CER DIEL, 22PF, 5%, 50V (V04222) 913-3667-070		1
277	08055A270JATBA		2	A7C427 CAPACITOR, FIXED CER DIEL 27PF, 5%, 50V (V04222) 913-3667-080		4
279	08055A330JATBA		2	A7C213 A7C234 A7C319 A7C423 CAPACITOR, FIXED CER DIEL, 33PF, 5%, 50V (V04222) 913-3667-090		8
281	08055A470JATBA		2	A7C203 A7C244 A7C311 A7C312 A7C316 A7C317 A7C404 A7C405 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110		6
283	08055A101JATBA		2	A7C307 A7C308 A7C320 A7C322 A7C414 A7C415 CAPACITOR, FIXED CER DIEL, 100PF, 5%, 50V (V04222) 913-3667-150		9
285	08055A151JATBA		2	A7C115 A7C130 A7C135 A7C233 A7C302 A7C304 A7C421 A7C426 A7C429 CAPACITOR, FIXED CER DIEL, 150PF, 5%, 50V (V04222) 913-3667-170		1
287	18085A681JATBA		2	A7C400 CAPACITOR, FIXED CER DIEL, 680PF, 5%, (V04222) 913-3667-250		1
289	18085A102JATBA		2	A7C606 CAPACITOR, FIXED CER DIEL, 1000PF, 5%, (V04222) 913-3667-270		7
291	22255A223JATBA		2	A7C127 A7C128 A7C218 A7C224 A7C225 A7C228 A7C611 CAPACITOR, FIXED, .022UF, 50V (V04222) 913-3667-350		1
293	18055A152JATBA		2	A7C609 CAPACITOR, FIXED CER DIEL 1500PF, 5%, 50V (V04222) 913-3667-370		2
295	08055A221JATBA		2	A7C420 A7C424 CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V (V04222) 913-3667-470		2
297	08055A331JATBA		2	A7C418 A7C422 CAPACITOR, FIXED CER DIEL, 330PF, 5%, 50V (V04222) 913-3667-200		27
299	08055C102KATBA		2	A7C107 A7C112 A7C113 A7C114 A7C121 A7C125 A7C140 A7C141 A7C142 A7C143 A7C151 A7C152 A7C155 A7C201 A7C206 A7C207 A7C212 A7C232 A7C235 A7C238 A7C240 A7C248 A7C249 A7C300 A7C407 A7C410 A7C500 CAPACITOR, FIXED CER 1,000PF, 10%, 50V (V04222) 913-3670-120		13
				A7C124 A7C153 A7C157 A7C216 A7C221 A7C243 A7C261 A7C305 A7C309 A7C313 A7C409 A7C425 A7C529		

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19						
301	12065C103KAT2A		2	CAPACITOR, FIXED 10,000PF, 10%, 50V (V04222) 834-5005-250 ATC102 ATC103 ATC108 ATC109 ATC118 ATC136 ATC137 ATC160 ATC200 ATC204 ATC205 ATC211 ATC215 ATC217 ATC223 ATC226 ATC229 ATC230 ATC231 ATC239 ATC247 ATC250 ATC255 ATC257 ATC259 ATC260 ATC262 ATC310 ATC314 ATC315 ATC318 ATC321 ATC401 ATC402 ATC403 ATC406 ATC411 ATC412 ATC413 ATC416 ATC417 ATC520 ATC603 CAPACITOR, FIXED CER, 0.22UF, 10%, 50V (V04222) 834-5005-770 ATC528 ATC605 ATC607 CAPACITOR, FIXED CER, 0.1UF, 10%, 50V (V31433) 834-5005-370 ATC202 ATC237 CAPACITOR, FIXED, .01UF, 50V (V04222) 913-3676-070 ATC111 ATC122 ATC139 ATC147 ATC208 ATC209 ATC214 ATC219 ATC245 ATC246 ATC252 ATC254 CAPACITOR, FIXED CER, 680,000PF, 10%, 50V (V31433) 834-5005-970 ATC519 CAPACITOR, FIXED CER DIEL 1.5PF, PORM 0.1PF, 50V (V04222) 914-3500-020 ATC110 ATC116 ATC138 ATC144 CAPACITOR, FIXED CER DIEL 3.9PF, PORM 0.1PF, 50V (V04222) 914-3500-060 ATC100 ATC123 ATC133 ATC154 CAPACITOR, FIXED CER DIEL 5.6PF, PORM 0.1PF, 50V (V04222) 914-3500-090 ATC104 ATC148 CAPACITOR, VARIABLE, 10PF, 250V (V91293) 917-0501-140 ATC119 ATC149 ATC301 ATC352 CAPACITOR, FIXED, 10PF, 100V (V26769) 834-9005-020 TRUE PN IS 2807/SOR610 ATC306 RESISTOR, FIXED FILM, 82.5 OHMS, 1%, 125MW (V59124) 705-3540-020 A7R203 A7R262 COIL, .47UH (V99800) 240-0116-090 A7L314 CAPACITOR, FIXED, .001UF, 50V (V04222) 834-5005-140 A7C220 A7C242 CAPACITOR, FIXED, .33UF, 50V (V04222) 913-3676-150 ATC600 CAPACITOR, FIXED, 1.2PF, 50V (V04222) 914-3500-410 ATC117 ATC145 COIL, TEST SELECT A7L100 A7L116 COIL, .47UH (V03550) 849-0020-210 COIL, RF, .390UH, PM10% (V03550) 849-0020-200 COIL, .33UH (V03550) 849-0020-190		43
303	18125C224KAT2A		2			3
305	C1206C104K5FRAC		2			2
307	08055C103KAT2A		2			12
309	C1825C684K5FRAC		2			1
311	AQ12EM1R5BAJBE		2			4
313	AQ12EM3R9BAJBE		2			4
315	AQ12EM5R6BAJBE		2			2
317	9622-3SL		2			4
319	280750R610		2			1
321	RK73H2BL82R5F		2			2
323	2510-16J		2			1
325	12065C102MAT9A		2			2
327	12105C394KAT2A		2			1
329	AQ12EM1R2BAJBE		2			2
331	653-0604-001		2			2
-333	30020NT		3			AR
-335	30019NT		3			AR
-337	30018NT		3			AR

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
19 339	CRCW12063570F		2	RESISTOR, FIXED FILM 357 OHMS, 1%, 125MW (V56845) 705-3535-620 (EFF THRU REV B)		1
- 339A	653-0608-001		2	RESISTOR, TEST SELECT A7R430		1
- 341	CRCW12063920F		3	RESISTOR, FIXED FILM 392 OHMS, 1%, 125MW		AR
- 343	CRCW12063740F		3	(V56845) 705-3535-660 RESISTOR, FIXED, 374 OHM, .25W, 1%		AR
- 345	CRCW12063570F		3	(V56845) 705-3535-640 RESISTOR, FIXED FILM 357 OHMS, 1%, 125MW		AR
- 347	CRCW12063400F		3	(V56845) 705-3535-620 RESISTOR, FIXED FILM, 340 OHMS, 1%, 125MW		AR
- 349	CRCW12063240F		3	(V56845) 705-3535-600 RESISTOR, FIXED, 324 OHM, .25W, 1% (V56845) 705-3535-580		AR

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 20. Video Processor Circuit Card A6 (CPN 687-0726-007)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	C-1*	470	C132	A-1*	470	C222	A-6*	355	C60	B-6*	465
C10	B-1*	470	C133	A-1*	470	C223	B-6*	355	C61	B-6*	455
C100	B-7	330	C134	A-1*	470	C228	A-4	450	C64	A-5	340
C101	B-1	345	C135	A-1*	470	C23	C-1*	470	C65	A-6	340
C102	A-7*	470	C136	A-1*	470	C232	A-5	460	C67	A-6	340
C103	A-1*	470	C137	A-1*	470	C233	A-6	460	C7	B-1*	470
C104	B-1*	470	C138	A-1*	470	C234	A-5	460	C73	A-6*	465
C105	B-1*	470	C139	A-1*	470	C235	A-6	460	C75	A-4	335
C106	B-1*	470	C14	B-1*	470	C236	A-6	465	C78	C-8*	355
C107	B-1*	470	C140	C-5	355	C237	A-5*	355	C79	C-7*	355
C108	B-1*	470	C141	C-4	355	C24	C-1*	470	C8	A-4	355
C109	B-1*	470	C142	B-6	335	C241	A-5*	480	C80	C-7*	355
C11	B-1*	470	C143	A-6	335	C25	B-4	355	C81	C-10*	355
C110	A-1*	470	C15	B-1*	470	C26	C-1*	470	C82	C-10*	355
C111	A-1*	470	C16	B-1*	470	C27	C-1*	470	C83	B-8*	355
C112	A-1*	470	C17	B-4	355	C28	C-1*	470	C84	B-7*	355
C113	B-1*	470	C171	B-5*	355	C29	C-1*	470	C85	B-10*	355
C114	B-1*	470	C176	B-4	450	C3	B-1*	470	C86	B-11*	355
C115	B-11	345	C18	B-1*	470	C30	C-1*	470	C87	A-10*	355
C116	C-11	345	C19	B-1*	470	C31	C-1*	470	C88	B-10*	355
C117	B-11	345	C2	C-2*	470	C32	C-2*	470	C89	A-8*	355
C118	B-11	345	C20	B-1*	470	C33	C-1*	470	C9	B-1*	470
C119	B-11	345	C202	B-6	360	C34	C-4	355	C90	A-8*	355
C12	B-1*	470	C203	A-6	355	C35	C-1*	470	C91	B-8*	355
C120	C-11	355	C206	B-6	355	C36	A-8*	355	C92	B-8*	355
C121	C-11	355	C209	A-6*	455	C37	B-8*	355	C93	C-7*	355
C122	C-1	445	C21	C-1*	470	C4	B-1*	470	C94	C-11*	355
C123	C-3	325	C210	B-6	355	C49	B-6	360	C96	C-9*	355
C124	C-3	350	C211	A-6	355	C5	B-1*	470	C97	C-9	355
C125	A-12*	355	C212	B-6*	355	C50	B-4	335	CR1	C-2*	110
C126	A-12*	355	C213	A-6*	355	C51	B-5*	480	CR10	B-2*	110
C127	A-12	355	C214	C-6*	355	C52	B-5*	480	CR11	B-1*	110
C128	A-12	355	C217	B-7*	475	C53	B-5	340	CR12	B-2*	110
C129	A-1*	470	C218	A-7*	475	C55	A-6	465	CR120	B-5*	400
C13	B-1*	470	C22	C-1*	470	C58	B-6	340	CR13	B-2*	110
C130	A-1*	470	C220	B-6*	355	C59	B-6	340	CR14	B-2	110
C131	A-1*	470	C221	A-5*	480	C6	B-1*	470	CR15	B-1*	110

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 20. Video Processor Circuit Card A6 (CPN 687-0726-007)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
CR16	C-1*	110	CR5	B-2*	110	CR84	C-5	110	R1	A-4*	195
CR17	C-2*	110	CR51	B-7	400	CR85	C-6	110	R100	A-12*	220
CR18	B-2*	110	CR52	B-7	115	CR86	C-6*	110	R101	A-11*	220
CR19	B-2	110	CR53	B-7*	110	CR87	C-6	110	R102	A-12	220
CR2	C-2	110	CR54	A-7	110	CR88	C-6	110	R103	A-12	220
CR20	C-1*	110	CR55	B-2*	110	CR89	C-6	110	R104	A-11*	220
CR206	B-5	400	CR56	C-6*	110	CR9	B-2	110	R105	A-11*	220
CR207	A-5	400	CR57	A-2*	110	CR90	C-6	110	R106	A-11	220
CR208	B-5*	400	CR58	A-2	110	FL1	C-3	425	R107	B-12*	485
CR209	B-5	400	CR59	A-2	110	L101	B-5	415	R108	B-9*	485
CR21	C-2	110	CR6	A-2	110	L102	B-6	415	R109	B-9*	485
CR210	A-5*	400	CR60	B-2*	110	L103	A-5	415	R11	A-7*	200
CR211	A-5	400	CR61	B-2*	110	L104	A-6	415	R110	B-9*	485
CR22	C-2	110	CR62	C-6	110	L106	B-6	420	R111	B-9*	485
CR224	B-4	400	CR63	B-1*	110	L5	A-6	420	R112	B-9*	485
CR226	A-4	400	CR64	B-3*	110	L7	C-2	440	R113	B-9*	485
CR23	B-2	110	CR65	A-2*	110	P20	B-12*	45	R114	B-9*	485
CR231	B-4	400	CR66	A-2*	110	P25	A-9*	120	R115	B-9*	485
CR232	A-4	400	CR67	C-6	110	P3	A-9*	180	R116	A-9*	485
CR234	B-5*	400	CR68	A-2*	110	Q1	A-7*	95	R117	B-4	125
CR236	A-5*	400	CR69	B-2*	115	Q10	B-2*	95	R118	A-4	125
CR238	B-4	400	CR7	B-1*	110	Q11	C-4	95	R119	A-9*	485
CR24	C-2*	110	CR70	A-3*	110	Q113	B-4*	95	R120	B-12*	485
CR240	A-4	400	CR71	A-2*	110	Q14	A-6*	95	R121	A-9*	485
CR25	C-2*	110	CR72	A-2*	110	Q2	A-8*	55	R122	A-9*	485
CR26	C-2	110	CR73	A-2*	110	Q203	B-5	95	R123	B-9	485
CR27	C-2*	110	CR74	C-2*	110	Q204	B-5*	95	R124	B-9	485
CR28	C-1*	110	CR75	C-2*	110	Q205	A-5	95	R125	B-9	485
CR29	C-2	110	CR76	C-3*	110	Q206	A-5*	95	R126	B-9	485
CR3	B-1*	110	CR77	C-3*	110	Q210	A-4*	95	R127	A-9	485
CR30	C-2	110	CR78	B-3*	110	Q213	A-4	95	R128	A-9	485
CR31	C-2*	110	CR79	B-3*	110	Q214	B-5	95	R129	B-9	485
CR32	C-6	110	CR8	B-1*	110	Q216	A-5	95	R14	B-4*	265
CR4	B-2	110	CR80	C-6*	110	Q243	B-4	95	R16	B-4*	190
CR46	A-5*	400	CR81	C-6*	110	Q6	B-5	95	R17	B-7	270
CR48	B-7	400	CR82	C-6*	110	Q7	A-7	100	R18	B-5*	260
CR49	B-7*	400	CR83	C-5*	110	Q9	B-7	95	R19	B-5*	190

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 20. Video Processor Circuit Card A6 (CPN 687-0726-007)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
R2	B-4*	195	R316	B-4*	190	R65	C-7*	190	U101	C-7	80
R20	B-5*	195	R317	B-6	500	R66	C-7*	195	U103	C-7	80
R21	B-5	250	R318	B-6	500	R67	A-11*	270	U108	C-10	385
R211	A-6*	210	R32	B-6	220	R68	B-10*	270	U109	C-10	385
R216	A-5*	225	R33	B-9	485	R69	B-10*	485	U11	C-3*	295
R22	B-5*	220	R34	B-6	210	R70	A-10*	485	U116	B-7	390
R221	A-5*	200	R35	B-5*	195	R71	B-8*	190	U118	B-10	375
R227	B-6	505	R36	B-7*	270	R72	A-10*	485	U12	C-3	80
R228	A-5*	190	R37	A-5*	195	R73	B-10*	485	U121	A-8	490
R23	B-5	220	R38	A-7	270	R74	A-10*	485	U128	B-7	280
R230	B-6*	505	R39	A-7*	270	R75	A-7	190	U13	A-8*	70
R232	A-5	240	R4	C-3*	195	R76	A-7	200	U14	C-9	75
R24	B-5*	240	R40	A-8*	485	R77	B-7	200	U15	C-8	395
R241	A-7	200	R41	A-8*	485	R78	B-7*	200	U16	B-8*	380
R242	A-5*	220	R42	A-8*	485	R79	B-7	200	U17	C-9	60
R243	A-5*	220	R43	A-6*	255	R80	A-7	190	U2	A-3*	295
R249	A-6*	220	R44	A-6*	220	R81	A-7*	190	U203	B-6	365
R25	A-5*	225	R45	A-6*	230	R82	A-7	230	U204	A-6	365
R256	A-6*	220	R46	A-6*	230	R83	A-7	230	U205	B-6*	365
R26	B-9*	485	R47	A-8*	485	R84	B-8*	235	U208	A-6*	365
R265	B-7*	200	R48	A-5*	230	R85	B-7*	215	U214	B-6	365
R267	C-6	205	R49	B-7*	485	R86	A-10*	485	U215	A-5	85
R27	B-6*	255	R50	C-7*	485	R87	A-3*	190	U24	A-8*	65
R271	B-4*	245	R51	A-10*	485	R88	A-3*	190	U29	C-11	90
R28	B-6*	230	R52	A-10*	485	R89	A-3*	190	U3	A-3	80
R282	A-5*	260	R53	A-5	225	R90	B-7	190	U33	C-5*	310
R283	B-4*	190	R54	A-4*	265	R91	A-3*	190	U34	C-4*	305
R286	B-5*	200	R55	A-5	225	R92	C-3	320	U35	A-2	290
R29	B-6*	230	R56	A-4*	190	R93	B-2*	200	U36	C-5*	315
R294	B-5	225	R57	A-4*	190	R94	C-4	200	U37	B-3*	295
R296	B-5	225	R58	A-4*	190	R95	C-4	190	U38	C-4	5
R3	C-3*	195	R59	A-10*	485	R96	B-2*	235	U39	A-12	370
R30	B-6*	230	R60	B-10*	485	R97	C-4	275	U4	A-3*	300
R31	A-6*	220	R61	A-4*	245	R98	C-4	230	U40	A-12*	370
R311	A-5	250	R62	C-8*	195	R99	A-11*	220	U41	B-2	290
R313	B-7*	200	R63	C-7*	195	U1	A-3*	300	U42	C-5	310
R314	B-6*	220	R64	C-7*	190	U10	C-3*	300	U43	C-5*	305

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

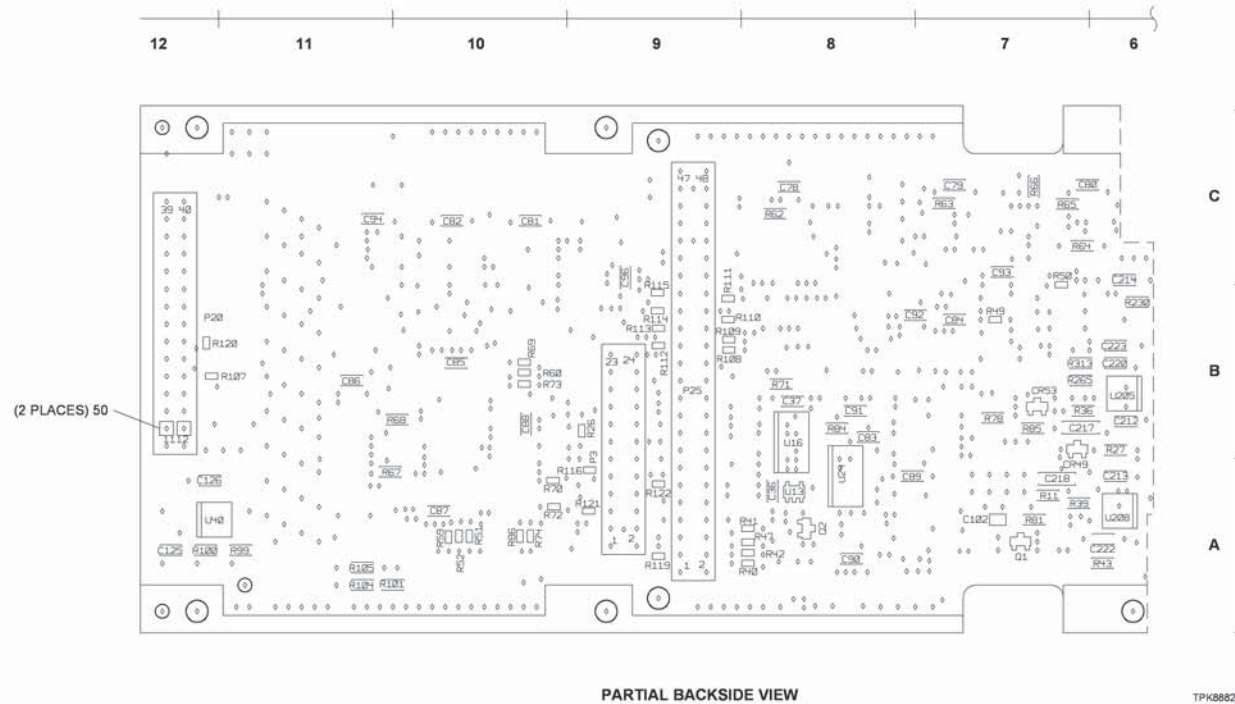
Figure 20. Video Processor Circuit Card A6 (CPN 687-0726-007)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
U44	C-4	80	Z34	B-1	430						
U45	C-4	80	Z35	B-1	430						
U46	C-5	315	Z36	B-1	435						
U5	A-3*	295	Z37	B-1	430						
U6	A-3	80	Z38	B-1	430						
U7	B-3*	300	Z39	B-1	430						
U8	B-3*	295	Z4	A-1	435						
U9	B-3	80	Z40	B-1	435						
VR18	B-2	410	Z41	B-1	430						
VR19	B-7	405	Z42	B-1	430						
VR5	B-2	410	Z43	B-1	430						
VR6	C-3	105	Z44	B-1	435						
Z1	A-1	430	Z45	C-1	430						
Z10	A-1	430	Z46	C-1	430						
Z11	A-1	430	Z47	C-1	430						
Z13	A-1	430	Z48	C-1	435						
Z14	A-1	430	Z49	C-1	430						
Z15	A-1	430	Z5	A-1	430						
Z16	A-1	435	Z50	C-1	430						
Z17	B-1	430	Z51	C-1	430						
Z18	B-1	430	Z52	C-1	435						
Z19	B-1	430	Z53	C-1	430						
Z2	A-1	430	Z54	C-1	430						
Z20	B-1	435	Z55	C-1	430						
Z21	B-1	430	Z56	C-1	435						
Z22	B-1	430	Z57	C-1	430						
Z23	B-1	430	Z58	C-1	430						
Z24	B-1	435	Z59	C-1	430						
Z25	B-1	430	Z6	A-1	430						
Z26	B-1	430	Z7	A-1	430						
Z27	B-1	430	Z8	A-1	435						
Z28	B-1	435	Z9	A-1	430						
Z29	B-1	430									
Z3	A-1	430									
Z30	B-1	430									
Z31	B-1	430									
Z33	B-1	430									

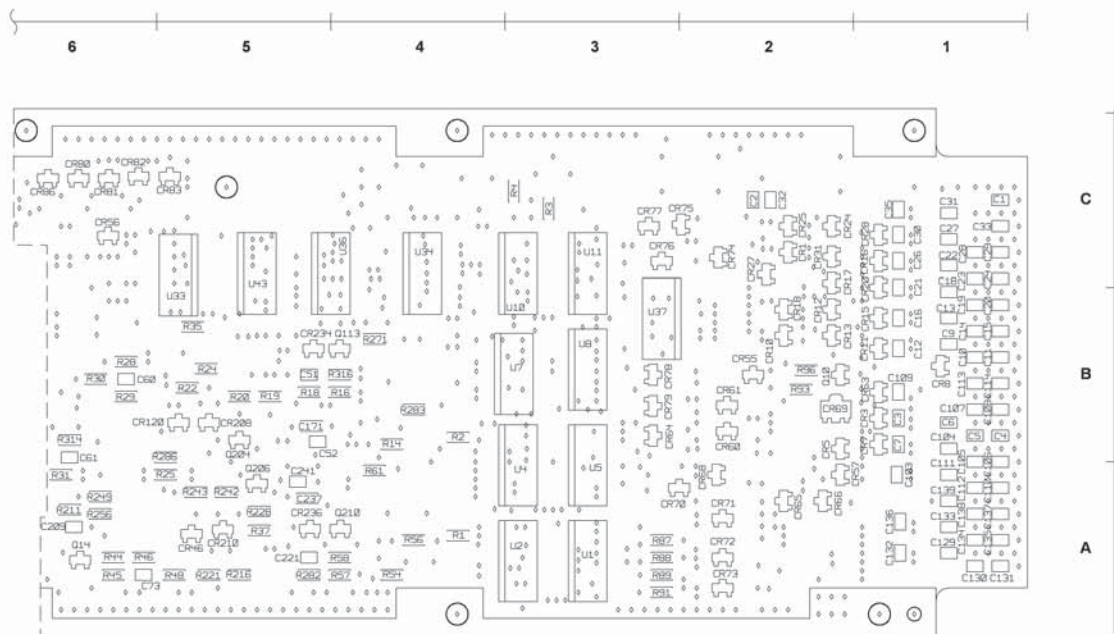
* DESIGNATES BACKSIDE COMPONENTS

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



Video Processor Circuit Card A6 (CPN 687-0726-007)
 Figure 20 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-820-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

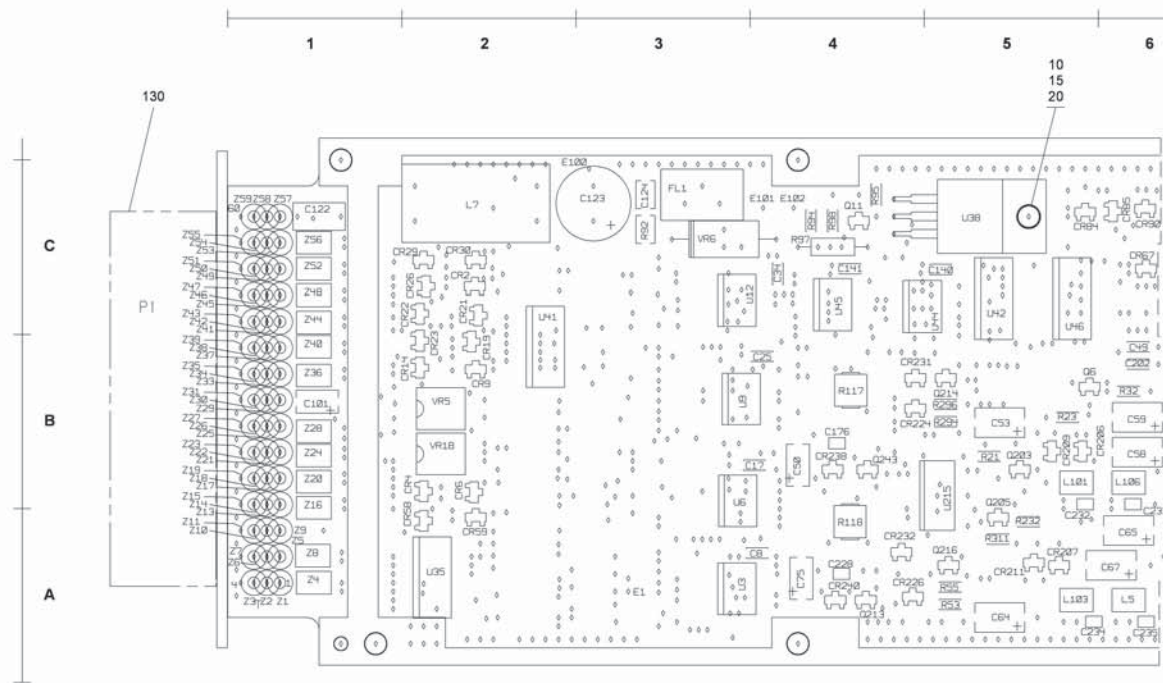


PARTIAL BACKSIDE VIEW

TPK8882_02

Video Processor Circuit Card A6 (CPN 687-0726-007)
 Figure 20 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-820-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

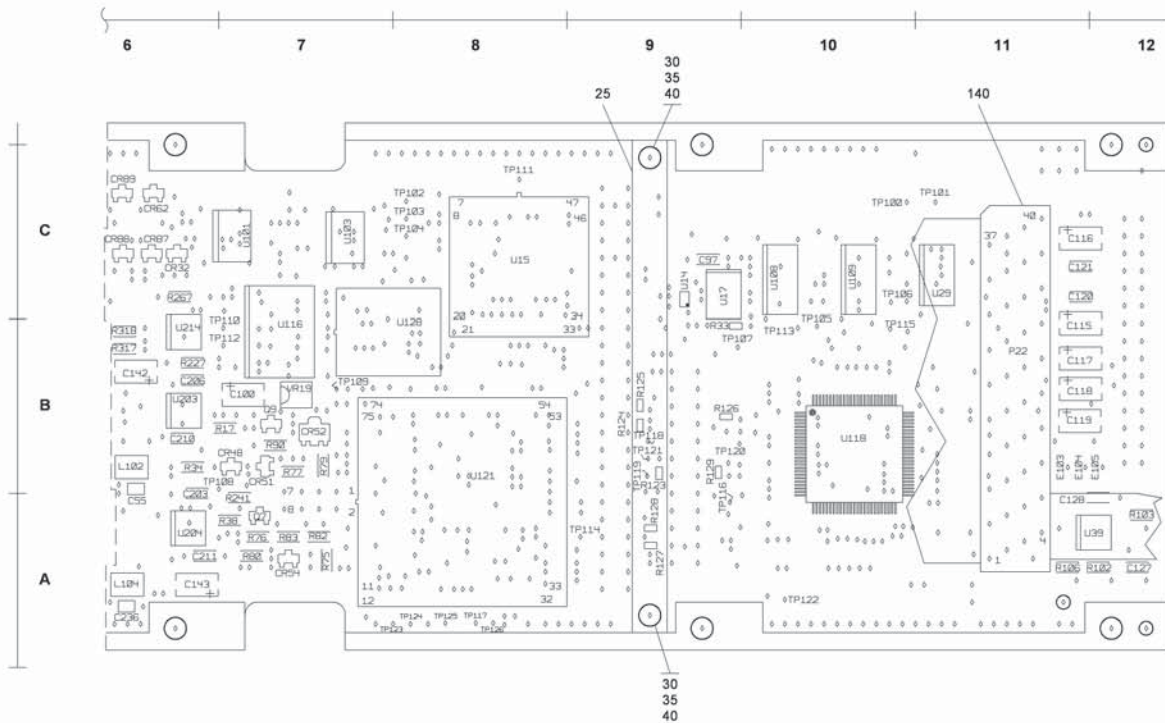


PARTIAL TOPSIDE VIEW

TPK8882_03

Video Processor Circuit Card A6 (CPN 687-0726-007)
 Figure 20 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-820-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



PARTIAL TOPSIDE VIEW

TPK8882_04

Video Processor Circuit Card A6 (CPN 687-0726-007)
 Figure 20 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-820-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
20						
1	687-0726-007		1	CIRCUIT CARD, VIDEO PROCESSOR (ESDS) (SEE FIG 4-63F FOR NHA) (SEE FIG 4-63J FOR NHA) (SEE FIG 4-63M FOR NHA) (SEE FIG 4-63R FOR NHA) (SEE FIG 4-63U FOR NHA) (SEE FIG 4-63W FOR NHA) (SEE FIG 4-63Z FOR NHA) (SEE FIG 4-64B FOR NHA) (SEE FIG 4-64D FOR NHA) (SEE FIG 4-79B FOR NHA)		RF
5	LM317T		2	A6 MICROCIRCUIT (ESDS) (V27014) 351-1271-010 A6U38		1
10	MSS1957-14		2	--- ATTACHING PARTS --- SCREW, PAN 0.112-40 (V96906) 343-0134-000		1
15	MSS3538-135		2	WASHER, LOCK SST 0.115 ID X 0.209 OD (V96906) 310-0279-000		1
20	NAS671 C4		2	NUT, PLAIN HEXAGON CD PL STL 0.112-40 (V80205) 313-0132-000		1
25	653-2280-001		2	STRAP, BOARD --- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000		1
30	347-0006-000		2	WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200		2
35	NAS620C4L		2	NUT, SLFLKG HEX AL 4-40 (V01912) 333-0605-000		2
40	68-1660-40		2			
45	628-5853-001		2	CONNECTOR, ELECTRICAL A6P20		1
50	M55302-127-00KY		2	PLUG, KEYING (V00779) 372-2669-010 TRUE PN IS M55302/127-00KY (USED ON ITEM 45) TRANSISTOR (ESDS) (V1M007) 204-0077-020		2
55	MMBT2369ALT1		2	A6Q2		1
60	OCE720000XCDDXX		2	MICROCIRCUIT (ESDS) (V054G1) 277-0696-070 TRUE PN IS OCE720000XCDDXX		1
65	SN74HC02D		2	A6U17 MICROCIRCUIT (ESDS) (V01295) 351-2802-010 A6U24		1
70	NC7ST32M5		2	MICROCIRCUIT (ESDS) (V7D893) 351-3152-080 A6U13		1
75	NC7WZ04P6		2	MICROCIRCUIT (ESDS) (V7D893) 351-3265-020 A6U14		1
80	SN74ABT224ADB		2	MICROCIRCUIT (ESDS) (V01295) 351-3435-010 A6U3 A6U6 A6U9 A6U12 A6U44 A6U45 A6U101 A6U103		8
85	MC74HC4316ADR2		2	MICROCIRCUIT (ESDS) (V1M007) 351-3460-010 A6U215		1

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
20						
190	CRCW12061002F		2	RESISTOR, FIXED, 10K OHM, 1%, .25W (V56845) 705-3535-020 A6R16 A6R19 A6R56 A6R57 A6R58 A6R64 A6R65 A6R71 A6R75 A6R80 A6R81 A6R87 A6R88 A6R89 A6R90 A6R91 A6R95 A6R228 A6R283 A6R316 RESISTOR, FIXED FILM, 100K, 1%, 125MW (V56845) 705-3535-060 A6R1 A6R2 A6R3 A6R4 A6R20 A6R35 A6R37 A6R62 A6R63 A6R66 RESISTOR, FIXED, 1K OHM, 1%, .25W (V56845) 705-3535-200 A6R11 A6R76 A6R77 A6R78 A6R79 A6R93 A6R94 A6R221 A6R241 A6R265 A6R286 A6R313 RESISTOR, FIXED FILM, 12.1K OHM, 1%, 125MW (V56845) 705-3535-270 A6R267 RESISTOR, FIXED, 976 OHM, .25W, 1% (V56845) 705-3535-390 A6R34 A6R211 RESISTOR, FIXED, 475 OHM, 1%, .25W (V56845) 705-3535-730 A6R85 RESISTOR, FIXED FILM, 2K, 1%, 1/4W (V59124) 705-3537-290 A6R22 A6R23 A6R31 A6R32 A6R44 A6R99 A6R100 A6R101 A6R102 A6R103 A6R104 A6R105 A6R106 A6R242 A6R243 A6R249 A6R256 A6R314 RESISTOR, FIXED, 2.21K OHM, .25W, 1% (V59124) 705-3537-330 A6R25 A6R53 A6R55 A6R216 A6R294 A6R296 RESISTOR, FIXED FILM, 3.92K, 1%, 125MW (V59124) 705-3537-530 A6R28 A6R29 A6R30 A6R45 A6R46 A6R48 A6R82 A6R83 A6R98 RESISTOR, FIXED, 4.75K OHM, 1%, .25W (V59124) 705-3537-600 A6R84 A6R96 RESISTOR, FIXED FILM, 27.4K, 1%, 125MW (V59124) 705-3538-230 A6R24 A6R232 RESISTOR, FIXED, 28.7K OHM, .25W, 1% (V59124) 705-3538-250 A6R61 A6R271 RESISTOR, FIXED FILM, 47.5K, 1%, 125MW (V59124) 705-3538-450 A6R21 A6R311 RESISTOR, FIXED FILM, 56.2K OHM, 1%, 125MW (V59124) 705-3538-510 A6R27 A6R43 RESISTOR, FIXED FILM, 33.2 OHMS, 1%, 125MW (V56845) 705-3539-640 A6R18 A6R282 RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW (V59124) 705-3540-430 A6R14 A6R54 RESISTOR, FIXED FILM, 0.05 OHM, 1%, 1/8W (V59124) 705-3543-020 A6R17 A6R36 A6R38 A6R39 A6R67 A6R68 RESISTOR, FIXED, 237 OHM, 1W, 1% (V91637) 747-2183-370 A6R97		
195	CRCW12061003F		2			20
200	CRCW12061001F		2			10
205	CRCW12061212F		2			12
210	CRCW12069760F		2			1
215	CRCW12064750F		2			2
220	RK73H2BL2001F		2			1
225	RK73H2BL2211F		2			18
230	RK73H2BL3921F		2			6
235	RK73H2BL4751F		2			9
240	RK73H2BLTD2742F		2			2
245	RK73H2BLTD2874F		2			2
250	RK73H2BLTD4752F		2			2
255	RK73H2BLTD5622F		2			2
260	CRCW120633R2FB		2			2
265	RK73H2BL2210F		2			2
270	RK73Z2BTTD		2			6
275	RWR81S2370FR		2			2

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
280	831-0037-001		2	MICROCIRCUIT, MODIFIED (ESDS)		1
-285	351-6826-010		3	MICROCIRCUIT (ESDS)		1
290	SOMC160336R0GDC		2	(V66958) 351-6826-010 RESISTOR, NETWORK, 36 OHM, .25W, 2% (ESDS) (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC A6U35 A6U41		2
295	833-5502-070		2	RESISTOR, NETWORK 10K, 2% (ESDS)		5
300	833-5502-080		2	(V11236) 833-5502-070 A6U2 A6U5 A6U8 A6U11 A6U37 MICROCIRCUIT (ESDS)		4
305	833-5502-140		2	(V11236) 833-5502-080 A6U1 A6U4 A6U7 A6U10 RESISTOR, NETWORK, 62K OHM, .25W, 2% (ESDS) (V11236) 833-5502-140 A6U34 A6U43		2
310	833-5502-180		2	RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A6U33 A6U42		2
315	833-5502-190		2	RESISTOR, NETWORK, 270K OHM, .25W, 2% (ESDS) (V11236) 833-5502-190 A6U36 A6U46		2
320	RK792ZEL		2	RESISTOR, FIXED, 0 OHM (V59124) 833-6008-030 A6R92		1
325	834-0516-030		2	CAPACITOR, FIXED, 22UF, 60V (V0P569) 834-0516-030 PN IS REF NO FOR 678D226M060CG5DD444 A6C123		1
330	TAJC475K025HNU		2	CAPACITOR, FIXED, 4.7UF, 10%, 25V (V04222) 834-2008-150 A6C100		1
335	TAJC688K020HNU		2	CAPACITOR, FIXED 6.8UF, 10%, 20V (V04222) 834-2008-170 A6C50 A6C75 A6C142 A6C143		4
340	TAJD156K025HNU		2	CAPACITOR, FIXED, 15UF, 10%, 25V (V04222) 834-2008-220 A6C53 A6C58 A6C59 A6C64 A6C65 A6C67		6
345	TAJC105K050HNU		2	CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 A6C101 A6C115 A6C116 A6C117 A6C118 A6C119		6
350	834-5000-020		2	CAPACITOR, FIXED CER DIEL., 10UF, 10%, 100V (V04222) 834-5000-020 PN IS REF NO FOR 12101C104KAT060L A6C124		1
355	12065C103KAT2A		2	CAPACITOR, FIXED, .01UF, 10%, 50V (V04222) 834-5005-250 A6C8 A6C17 A6C25 A6C34 A6C36 A6C37 A6C78 A6C79 A6C80 A6C81 A6C82 A6C83 A6C84 A6C85 A6C86 A6C87 A6C88 A6C89 A6C90 A6C91 A6C92 A6C93 A6C94 A6C96 A6C97 A6C120 A6C121 A6C125 A6C126 A6C127 A6C128 A6C140 A6C141 A6C171 A6C203 A6C205 A6C210 A6C211 A6C212 A6C213 A6C214 A6C220 A6C222 A6C223 A6C237		45
360	12065C104KAT2A		2	CAPACITOR, FIXED, 0.1UF, 10%, 50V (V04222) 834-5005-370 A6C49 A6C202		2
365	LT1016		2	MICROCIRCUIT (ESDS) (V64155) 835-0048-010 A6U203 A6U204 A6U205 A6U208 A6U214		5

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENTIFICATION			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY		
			1	N	D					
20										
370	ADB17AR		2			MICROCIRCUIT (ESDS) (V24355) 835-0371-010 A6U39 A6U40 MICROCIRCUIT (ESDS) (V61722) 835-1570-020 A6U118 MICROCIRCUIT (ESDS) (V01295) 835-3607-030 A6U16 MICROCIRCUIT (ESDS) (V07263) 835-3707-050 A6U108 A6U109 MICROCIRCUIT (ESDS) (V01295) 835-4507-030 A6U116 MICROCIRCUIT (ESDS) (V61772) 835-5815-030 A6U15 DIODE (V1M007) 844-0003-020 A6CR46 A6CR48 A6CR49 A6CR51 A6CR120 A6CR206 A6CR207 A6CR208 A6CR209 A6CR210 A6CR211 A6CR224 A6CR226 A6CR231 A6CR232 A6CR234 A6CR236 A6CR238 A6CR240 DIODE (V1M007) 844-0082-180 A6VR19 DIODE (V1M007) 844-0097-250 A6VR5 A6VR18 COIL, 15UH (V99800) 849-0025-270 A6L101 A6L102 A6L103 A6L104 COIL, 33UH (V99800) 849-0025-310 A6L5 A6L106 CAPACITOR, FIXED, .0022UF, 100V (V18796) 849-0512-010 PN IS REF NO FOR DSS9NC52A222Q55B A6FL1 BEAD, FERRITE (V34899) 852-1000-190 A6Z1 A6Z2 A6Z3 A6Z5 A6Z6 A6Z7 A6Z9 A6Z10 A6Z11 A6Z13 A6Z14 A6Z15 A6Z17 A6Z18 A6Z19 A6Z21 A6Z22 A6Z23 A6Z25 A6Z26 A6Z27 A6Z29 A6Z30 A6Z31 A6Z33 A6Z34 A6Z35 A6Z37 A6Z38 A6Z39 A6Z41 A6Z42 A6Z43 A6Z45 A6Z46 A6Z47 A6Z49 A6Z50 A6Z51 A6Z53 A6Z54 A6Z55 A6Z57 A6Z58 A6Z59 BEAD, SURFACE MOUNT FERRITE (V34899) 852-3002-010 A6Z4 A6Z8 A6Z16 A6Z20 A6Z24 A6Z28 A6Z36 A6Z40 A6Z44 A6Z48 A6Z52 A6Z56 COIL, 50UH (V00204) 852-3005-040 A6L7 CAPACITOR, FIXED CER, DIEL, 1000PF, 20%, 1000V (V59660) 913-1186-000 A6C122 CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V (V04222) 913-3667-030 A6C176 A6C228	2			2
375	S1L909S2F01P000		2							
380	HCT74		2							
385	HC259		2							
390	CD74AC374M		2							
395	IDT7130SA70UI		2							
400	MMBD301LT1		2					19		
405	PS5MB36A		2					1		
410	1SMC36A		2					2		
415	1812-153K		2					4		
420	1812-333K		2					2		
425	849-0512-010		2					1		
430	2661000101		2					45		
435	2743019447		2					12		
440	852-3005-040		2					1		
445	CK60AW102M		2					1		
450	08055A100JAT9A		2					2		

- ITEM NOT ILLUSTRATED

ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
20						
455	08055A270JAT9A		2	CAPACITOR, FIXED CER DIEL 27PF, 5%, 50V (V04222) 913-3667-080		2
460	LD055A30JAB9A		2	A6C61 A6C209 CAPACITOR, FIXED CER DIEL, 33PF, 5%, 50V (V04222) 913-3667-090		4
465	08055A470JAT9A		2	A6C232 A6C233 A6C234 A6C235 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110		4
470	08055A471JAT9A		2	A6C55 A6C60 A6C73 A6C236 CAPACITOR, FIXED, 5.6PF, 50V (V04222) 913-3667-230		55
475	18055A152JAT9A		2	A6C1 A6C2 A6C3 A6C4 A6C5 A6C6 A6C7 A6C9 A6C10 A6C11 A6C12 A6C13 A6C14 A6C15 A6C16 A6C18 A6C19 A6C20 A6C21 A6C22 A6C23 A6C24 A6C26 A6C28 A6C29 A6C30 A6C31 A6C32 A6C33 A6C35 A6C102 A6C103 A6C104 A6C105 A6C106 A6C107 A6C108 A6C109 A6C110 A6C111 A6C112 A6C113 A6C114 A6C129 A6C130 A6C131 A6C132 A6C133 A6C134 A6C135 A6C136 A6C137 A6C138 A6C139		2
480	08055A221JAT9A		2	CAPACITOR, FIXED CER DIEL 1500PF, 5%, 50V (V04222) 913-3667-370 A6C217 A6C218 CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V		4
485	RK73H1JL3R2F		2	(V04222) 913-3667-470 A6C51 A6C52 A6C221 A6C241 RESISTOR, FIXED, 33.2 OHM, 1%, .063W (V59124) 705-2437-230		39
490	831-7172-001		2	A6R26 A6R33 A6R40 A6R41 A6R42 A6R47 A6R49 A6R50 A6R51 A6R52 A6R59 A6R60 A6R69 A6R70 A6R72 A6R73 A6R74 A6R86 A6R107 A6R108 A6R109 A6R110 A6R111 A6R112 A6R113 A6R114 A6R115 A6R116 A6R119 A6R120 A6R121 A6R122 A6R123 A6R124 A6R125 A6R126 A6R127 A6R128 A6R129		1
- 495	A42MX09PL84I		3	MICROCIRCUIT, MODIFIED (ESDS) A6U121 MICROCIRCUIT (ESDS) (V04Z0) 351-3321-010		1
500	RK73H2BL1821F		2	TRUE PN IS A42MX09-PL84I RESISTOR, FIXED FILM, 1.82K, 1%, .125MW (V59124) 705-3537-250		2
505	RK73H2BL8251F		2	A6R317 A6R318 RESISTOR, FIXED, 8.25K OHM, .25W, 1% (V59124) 705-3537-780 A6R227 A6R230		2

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 21. CPU I/O Circuit Card A5 (CPN 828-2700-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	B-1*	330	C134	A-1*	330	C37	B-6	210	C70	B-5	310
C10	C-8*	210	C135	A-1*	330	C38	C-6	210	C71	B-1*	330
C100	C-4	210	C136	B-1*	330	C39	B-5	315	C72	C-1*	330
C101	B-1*	330	C137	A-1*	330	C4	A-1*	330	C73	A-4	310
C102	B-1*	330	C138	A-1*	330	C40	B-1*	330	C74	A-4	310
C103	B-1*	330	C14	B-11	205	C41	B-4	210	C75	C-1*	330
C104	B-1*	330	C140	C-10*	210	C42	B-4	210	C76	B-5	315
C105	B-3	210	C142	B-3*	210	C43	B-1*	330	C77	B-5	310
C106	C-1*	210	C143	A-3	210	C44	B-1*	330	C78	B-5	310
C107	B-1*	210	C144	B-3	210	C45	B-5	315	C79	C-1*	330
C108	C-6*	210	C145	A-3*	210	C46	B-1*	330	C8	A-1*	330
C109	B-10*	210	C146	B-1*	330	C47	C-1*	330	C80	C-1*	330
C11	B-10*	210	C147	A-1*	330	C48	B-5	315	C81	A-4	310
C110	A-11*	210	C15	A-11	205	C49	B-5	210	C82	A-4	310
C111	A-10*	340	C16	C-1*	330	C5	A-1*	330	C83	C-1*	330
C112	A-10*	335	C17	B-6	345	C50	B-7	210	C84	B-7*	210
C113	A-9*	325	C18	B-1*	330	C51	C-1*	330	C85	B-8*	210
C114	A-9*	325	C19	B-1*	330	C52	C-6*	210	C86	B-5	310
C115	A-10*	215	C2	A-1*	330	C53	A-3*	210	C87	C-1*	330
C116	A-10*	215	C20	C-1*	330	C54	B-3	320	C88	C-1*	330
C119	A-5*	210	C21	B-7	345	C55	C-5	320	C89	C-1*	330
C12	B-11	205	C22	B-1*	330	C56	B-5	210	C9	B-8*	210
C120	B-11	200	C23	C-1*	330	C57	C-1*	330	C90	B-5	310
C121	B-10*	210	C24	B-7	345	C58	C-5*	320	C91	B-5	310
C122	B-10*	210	C25	B-1*	330	C59	B-5	320	C92	B-5	315
C123	A-10*	210	C26	A-7*	315	C6	B-1*	330	C93	B-5	310
C124	C-11*	210	C27	A-1*	330	C60	C-5	320	C94	C-1*	330
C125	A-11*	210	C28	B-1*	330	C61	C-5*	320	C95	B-7	210
C126	C-11*	210	C29	B-1*	330	C62	C-1*	330	C96	B-4	210
C127	B-11*	210	C3	A-1*	330	C63	C-2	330	C97	B-4	210
C128	C-10*	210	C30	B-6	315	C64	B-1*	330	C98	B-1*	330
C129	B-11*	210	C31	B-1*	330	C65	C-5*	320	C99	B-1*	330
C13	A-11	205	C32	B-1*	330	C66	C-5*	320	CR1	A-2*	110
C130	B-11*	210	C33	B-7*	315	C67	C-1*	330	CR10	A-3*	110
C131	A-1*	330	C34	A-8*	210	C68	B-8*	210	CR11	A-3*	110
C132	A-1*	330	C35	A-8*	210	C69	B-5	310	CR12	C-6*	110
C133	A-1*	330	C36	B-8*	210	C7	A-1*	330	CR13	C-6*	110

* DESIGNATES BACKSIDE COMPONENTS

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

Figure 21. CPU I/O Circuit Card A5 (CPN 828-2700-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
CR14	A-2*	110	CR5	B-2*	110	RN22	C-5*	175	U11	A-3*	220
CR15	C-6*	110	CR6	B-2*	110	RN23	C-2*	145	U12	A-8	280
CR16	A-2*	110	CR7	C-6*	110	RN24	C-4*	150	U13	A-7	260
CR17	A-2*	110	CR8	C-6*	110	RN25	C-2*	150	U15	A-5	235
CR18	A-2*	110	CR9	C-6*	110	RN26	C-5	175	U16	C-7	285
CR19	B-2*	110	Q1	A-10*	100	RN27	A-5*	195	U17	C-3	70
CR2	A-2*	110	QP1	C-3	225	RN28	A-5*	195	U18	B-3	65
CR20	B-2*	110	QP2	C-3*	230	RN29	A-4	175	U19	C-8	255
CR21	A-2*	110	QP3	C-3*	225	RN3	A-8*	170	U2	C-6	75
CR22	A-2*	110	QP4	C-3*	230	RN30	C-2	135	U20	C-11	245
CR23	B-6	110	QP5	A-3*	225	RN31	A-6	195	U21	B-10	270
CR24	B-6	110	QP6	A-3	230	RN32	A-5	195	U22	C-10	270
CR25	B-7	110	R1	A-10*	115	RN33	B-5	175	U24	B-10	240
CR26	B-7	110	R10	B-8*	115	RN34	A-3	150	U25	B-9	240
CR27	B-7	110	R14	C-10*	115	RN35	A-3*	145	U26	A-11	275
CR28	A-7	110	R15	C-4*	350	RN36	A-2*	135	U27	A-10	275
CR29	B-6	110	R16	C-6*	115	RN37	B-3*	140	U3	B-6	235
CR3	B-3*	110	R2	A-10*	115	RN38	C-2*	155	U30	B-11	95
CR30	A-6	110	R3	A-10*	125	RN39	C-3*	160	U31	B-11	95
CR31	B-4	110	R4	A-10*	130	RN4	B-2	135	U32	B-11	90
CR32	B-5	110	R5	A-9*	120	RN40	C-5*	180	U33	B-11	90
CR33	A-5	110	R7	A-10*	115	RN41	C-5*	190	U34	A-9*	85
CR34	A-5	110	RN1	B-4*	170	RN42	C-4*	185	U35	C-11*	250
CR35	A-5	110	RN10	B-6*	195	RN43	A-3	165	U4	B-6*	235
CR36	A-4	110	RN11	A-6*	195	RN44	B-11*	160	U5	B-7*	235
CR37	B-5	110	RN12	A-6	195	RN45	A-8*	195	U6	C-4	235
CR38	B-5	110	RN13	B-3	135	RN46	C-8*	135	U7	B-4	235
CR4	A-3*	110	RN133	C-5	195	RN47	A-7*	195	U8	B-10*	80
CR41	B-5	110	RN14	C-5	195	RN48	C-7*	195	U9	A-3	220
CR42	B-4	110	RN15	C-5*	195	RN49	B-7*	195	VR1	C-2*	105
CR43	B-2*	110	RN16	B-4*	195	RN5	B-6*	195	VR10	C-4*	105
CR44	A-8*	110	RN17	A-6*	195	RN6	B-6*	195	VR19	C-2	295
CR45	A-8*	110	RN18	A-4*	195	RN7	B-5*	195	VR2	C-2*	105
CR46	B-7*	110	RN19	C-2	135	RN8	B-6	195	VR20	B-2	295
CR47	B-7*	110	RN2	B-4	165	RN9	B-6*	195	VR21	C-2	295
CR48	C-6*	110	RN20	C-2*	135	U1	C-4	75	VR22	B-2	295
CR49	C-6*	110	RN21	C-5	175	U10	A-3*	220	VR3	C-2*	105

* DESIGNATES BACKSIDE COMPONENTS

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TDR-94, PART NO 622-9352**

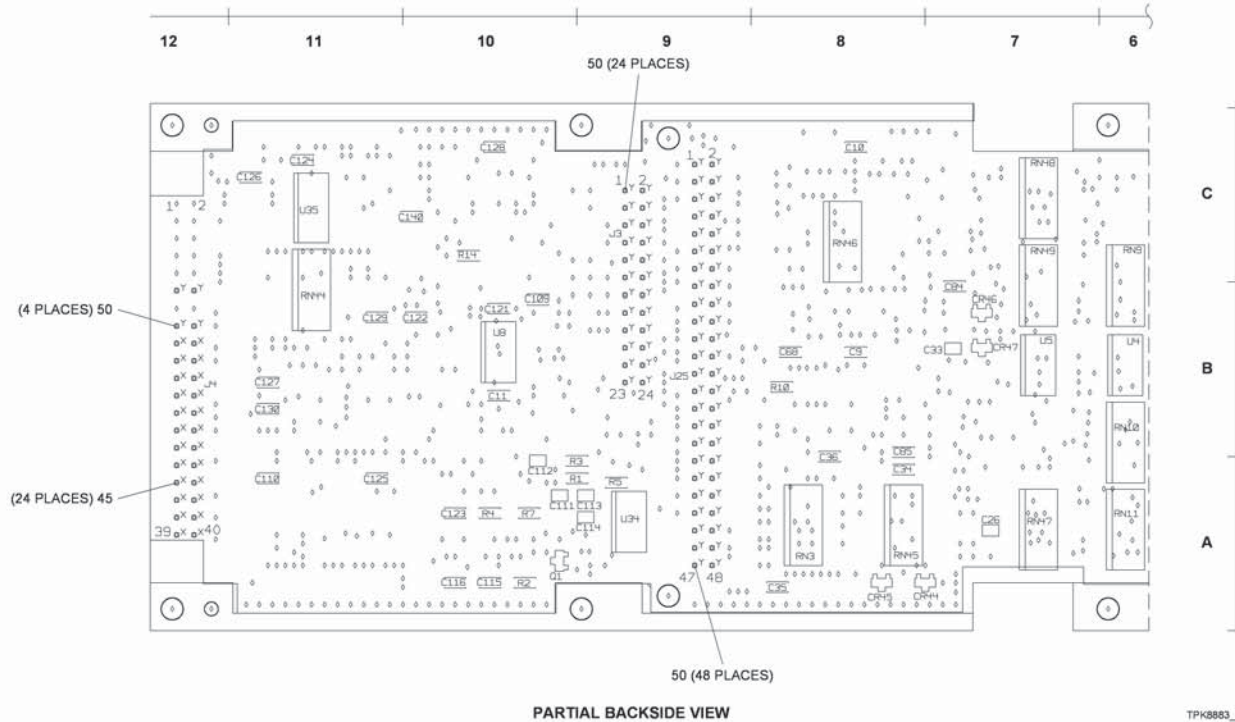
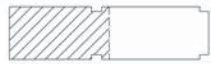
Figure 21. CPU I/O Circuit Card A5 (CPN 828-2700-004)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
VR31	C-2	295	Z33	B-1	305						
VR32	C-2	295	Z34	B-1	20						
VR33	C-2	295	Z35	B-1	20						
VR34	C-2	295	Z36	B-1	20						
VR4	C-2*	105	Z37	B-1	305						
VR43	C-2	295	Z38	B-1	20						
VR44	A-2	295	Z39	B-1	20						
VR5	B-2*	105	Z4	C-1	20						
VR6	B-2*	105	Z40	B-1	20						
VR61	B-2*	355	Z41	B-1	305						
VR62	B-2*	355	Z42	B-1	20						
VR9	C-4*	105	Z43	B-1	20						
Y1	A-9	300	Z44	B-1	20						
Z1	C-1	305	Z45	A-1	305						
Z10	C-1	20	Z46	A-1	20						
Z11	C-1	20	Z47	A-1	20						
Z12	C-1	20	Z48	A-1	20						
Z13	C-1	305	Z49	B-1	20						
Z14	C-1	20	Z5	C-1	305						
Z15	C-1	20	Z50	B-1	20						
Z16	C-1	20	Z51	A-1	20						
Z17	B-1	305	Z52	A-1	20						
Z18	B-1	20	Z53	A-1	305						
Z19	B-1	20	Z54	A-1	20						
Z2	C-1	20	Z55	A-1	20						
Z20	B-1	20	Z56	A-1	20						
Z21	B-1	305	Z57	A-1	305						
Z22	B-1	20	Z58	A-1	20						
Z23	B-1	20	Z59	A-1	20						
Z24	B-1	20	Z6	C-1	20						
Z25	B-1	305	Z60	A-1	20						
Z26	B-1	20	Z61	A-1	305						
Z29	B-1	305	Z62	A-1	20						
Z3	C-1	20	Z7	C-1	20						
Z30	B-1	20	Z8	C-1	20						
Z31	B-1	20	Z9	C-1	305						
Z32	B-1	20									

* DESIGNATES BACKSIDE COMPONENTS

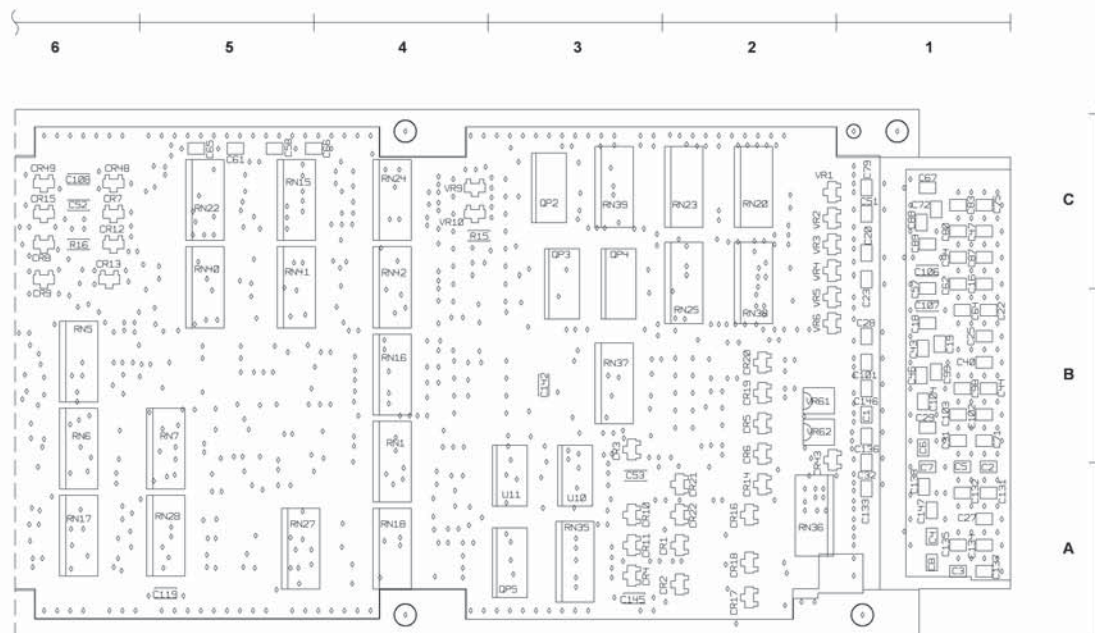
ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



TPK8883_01

CPU I/O Circuit Card A5 (CPN 828-2700-004)
 Figure 21 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-821-A01

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 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



PARTIAL BACKSIDE VIEW

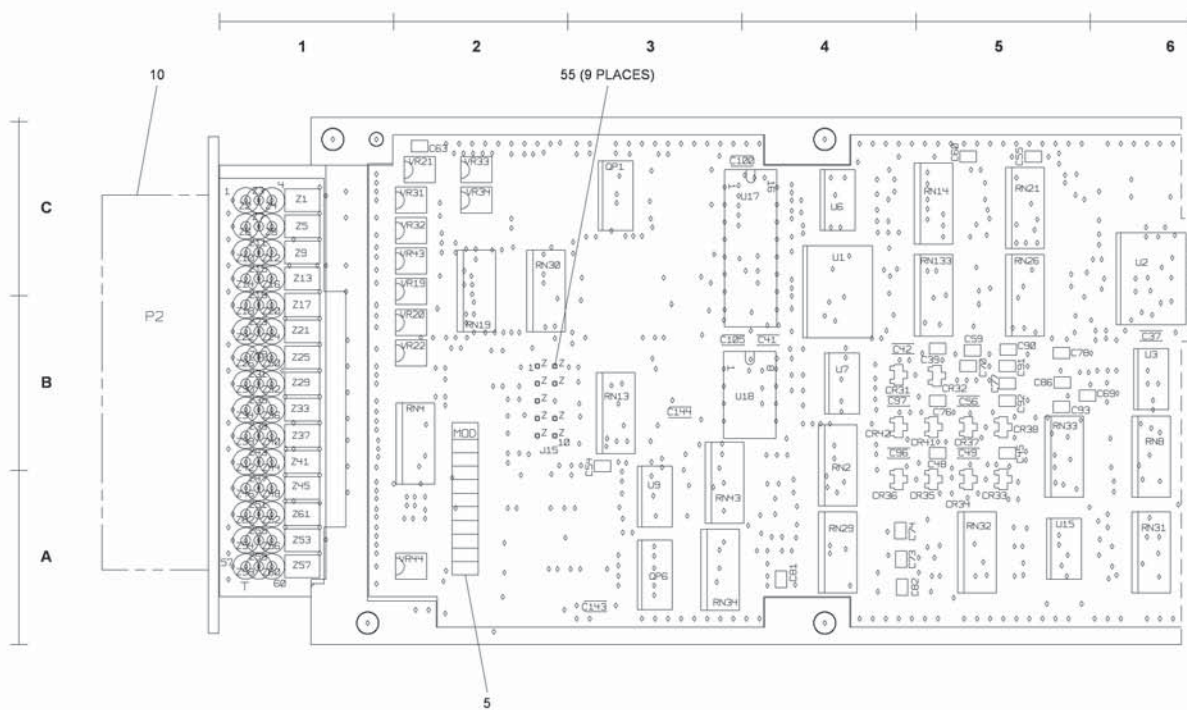
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CPU I/O Circuit Card A5 (CPN 828-2700-004)
 Figure 21 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-821-A01

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 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352

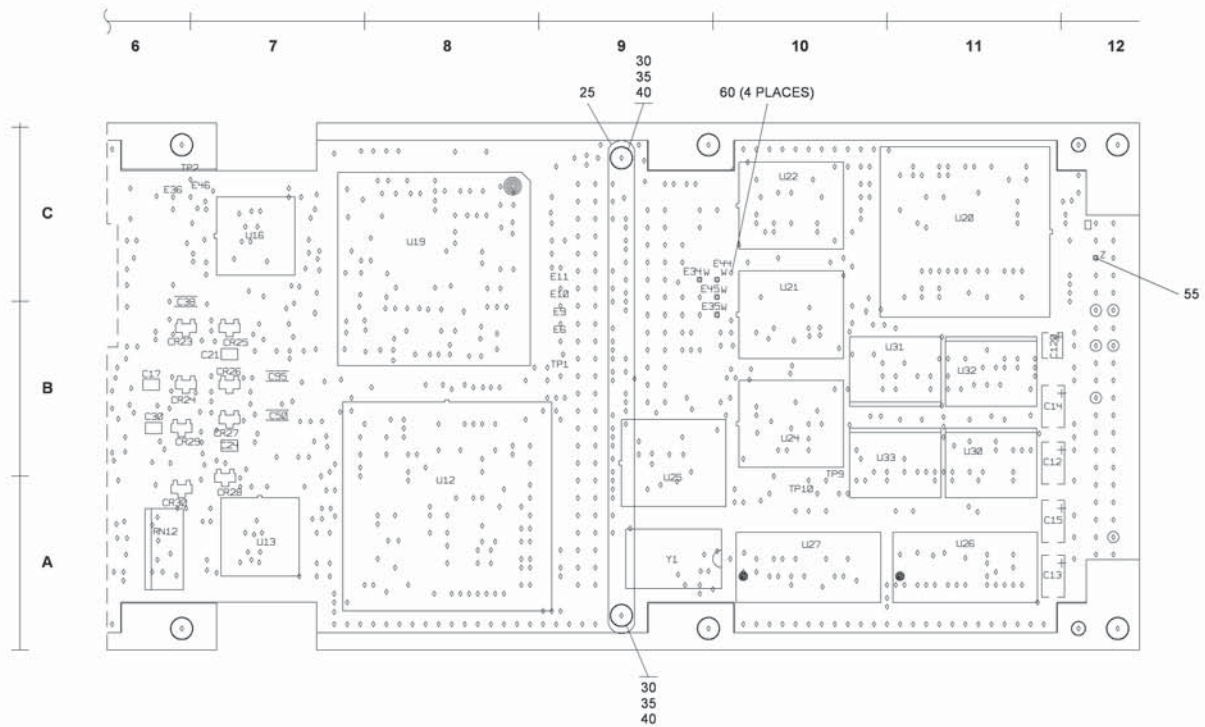


PARTIAL TOPSIDE VIEW

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CPU I/O Circuit Card A5 (CPN 828-2700-004)
 Figure 21 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-821-A01

ROCKWELL COLLINS
 COMPONENT MAINTENANCE MANUAL with IPL
 TDR-94, PART NO 622-9352



PARTIAL TOPSIDE VIEW

TPK8883_04

CPU I/O Circuit Card A5 (CPN 828-2700-004)
 Figure 21 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-821-A01

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
21			1			
1	828-2700-004		1	CIRCUIT CARD, CPU I/O (ESDS) (SEE FIG 4-81B FOR NHA)		RF
5	280-3778-050		2	AS5 LABEL, INFORMATION		1
10	828-3734-001		2	V0BU16) 280-3778-050		1
15	NA1109-023		3	CIRCUIT CARD, WATERFALL CONNECTOR CONTACT		60
20	288-0815-010		2	(V57863) 372-2604-023 BEAD, FERRITE (V3RMR9) 288-0815-010 PN IS REF NO FOR TUB3,7/1,2/3,5-4B1		45
25	653-2280-001		2	AS22 AS23 AS24 AS26 AS27 AS28 AS210 AS271 AS212 AS214 AS215 AS216 AS218 AS219 AS220 AS222 AS223 AS224 AS226 AS230 AS231 AS232 AS234 AS235 AS236 AS238 AS239 AS240 AS242 AS243 AS244 AS246 AS247 AS248 AS249 AS250 AS251 AS252 AS254 AS255 AS256 AS258 AS259 AS260 AS262 STRAP, BOARD		1
30	347-0006-000		2	--- ATTACHING PARTS --- SCREW, MACHINE CRES, PSVT 0.112-40X0.250L (V1GP79) 347-0006-000		2
35	NAS620C4L		2	WASHER, FLAT PSVT CRES 0.115 ID X 0.209 OD (V80205) 310-0740-200 NUT, SLFLKG HEX AL 4-40 (V0191L2) 333-0605-000		2
40	68-1660-40		2	CONTACT, ELECTRICAL (V57863) 372-2601-197 CONTACT, ELECTRICAL .025 SQ. PIN (V57863) 372-2601-037 CONTACT, ELECTRICAL (V57863) 372-2601-045 CONTACT, ELECTRICAL (V57863) 372-2601-027 MICROCIRCUIT (ESDS) (V27014) 351-1412-010 TRUE PN IS DS9638J/883Q ASU18 MICROCIRCUIT (ESDS) (V01296) 351-1926-010 ASU17 MICROCIRCUIT (ESDS) (V01296) 351-3610-040 ASU1 ASU2 MICROCIRCUIT (ESDS) (V01296) 351-3701-100 ASU8 MICROCIRCUIT (ESDS) (V01296) 351-3705-010 ASU34 MICROCIRCUIT (ESDS) (V7D893) 351-3282-100 ASU32 ASU33 MICROCIRCUIT (ESDS) (V01296) 351-3706-020 ASU30 ASU31 TRANSISTOR (ESDS) (V18324) 352-9113-010 ASQ1 DIODE (V1M007) 353-8133-120 ASVR1 ASVR2 ASVR3 ASVR4 ASVR5 ASVR6 ASVR9 ASVR10		24
45	NA1103-197		2	CONTACT, ELECTRICAL (V57863) 372-2601-197		2
50	NA1104-037		2	CONTACT, ELECTRICAL .025 SQ. PIN (V57863) 372-2601-037 CONTACT, ELECTRICAL (V57863) 372-2601-045 CONTACT, ELECTRICAL (V57863) 372-2601-027 MICROCIRCUIT (ESDS) (V27014) 351-1412-010 TRUE PN IS DS9638J/883Q ASU18 MICROCIRCUIT (ESDS) (V01296) 351-1926-010 ASU17 MICROCIRCUIT (ESDS) (V01296) 351-3610-040 ASU1 ASU2 MICROCIRCUIT (ESDS) (V01296) 351-3701-100 ASU8 MICROCIRCUIT (ESDS) (V01296) 351-3705-010 ASU34 MICROCIRCUIT (ESDS) (V7D893) 351-3282-100 ASU32 ASU33 MICROCIRCUIT (ESDS) (V01296) 351-3706-020 ASU30 ASU31 TRANSISTOR (ESDS) (V18324) 352-9113-010 ASQ1 DIODE (V1M007) 353-8133-120 ASVR1 ASVR2 ASVR3 ASVR4 ASVR5 ASVR6 ASVR9 ASVR10		76
55	NA1104-045		2	CONTACT, ELECTRICAL (V57863) 372-2601-045		10
60	NA1104-027		2	CONTACT, ELECTRICAL (V57863) 372-2601-027		4
65	DS9638J883Q		2	MICROCIRCUIT (ESDS) (V27014) 351-1412-010 TRUE PN IS DS9638J/883Q ASU18 MICROCIRCUIT (ESDS) (V01296) 351-1926-010 ASU17 MICROCIRCUIT (ESDS) (V01296) 351-3610-040 ASU1 ASU2 MICROCIRCUIT (ESDS) (V01296) 351-3701-100 ASU8 MICROCIRCUIT (ESDS) (V01296) 351-3705-010 ASU34 MICROCIRCUIT (ESDS) (V7D893) 351-3282-100 ASU32 ASU33 MICROCIRCUIT (ESDS) (V01296) 351-3706-020 ASU30 ASU31 TRANSISTOR (ESDS) (V18324) 352-9113-010 ASQ1 DIODE (V1M007) 353-8133-120 ASVR1 ASVR2 ASVR3 ASVR4 ASVR5 ASVR6 ASVR9 ASVR10		1
70	AM26LS32AMJ		2	MICROCIRCUIT (ESDS) (V01296) 351-1926-010		1
75	SN74HCT244DW		2	MICROCIRCUIT (ESDS) (V01296) 351-3610-040		2
80	SN74HC32D		2	MICROCIRCUIT (ESDS) (V01296) 351-3701-100		1
85	CD74HC04M		2	MICROCIRCUIT (ESDS) (V01296) 351-3705-010		1
90	74ABT245CSC		2	MICROCIRCUIT (ESDS) (V7D893) 351-3282-100		2
95	CD74HC373M		2	MICROCIRCUIT (ESDS) (V01296) 351-3706-020		2
100	PM1BT2222A		2	ASU30 ASU31 TRANSISTOR (ESDS) (V18324) 352-9113-010 ASQ1 DIODE (V1M007) 353-8133-120 ASVR1 ASVR2 ASVR3 ASVR4 ASVR5 ASVR6 ASVR9 ASVR10		1
105	MMBZ5237BLT1		2	DIODE (V1M007) 353-8133-120 ASVR1 ASVR2 ASVR3 ASVR4 ASVR5 ASVR6 ASVR9 ASVR10		8

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
21 110	BAST0-04		2	DIODE (V12954) 353-8136-010 (V12954) 353-8136-010 A5CR1 A5CR2 A5CR3 A5CR4 A5CR5 A5CR6 A5CR7 A5CR8 A5CR9 A5CR10 A5CR11 A5CR12 A5CR13 A5CR14 A5CR15 A5CR16 A5CR17 A5CR18 A5CR19 A5CR20 A5CR21 A5CR22 A5CR23 A5CR24 A5CR25 A5CR26 A5CR27 A5CR28 A5CR29 A5CR30 A5CR31 A5CR32 A5CR33 A5CR34 A5CR35 A5CR36 A5CR37 A5CR38 A5CR41 A5CR42 A5CR43 A5CR44 A5CR45 A5CR46 A5CR47 A5CR48 A5CR49 RESISTOR, FIXED, 10K OHM, 1%, .25W (V56845) 705-3535-020 A5R1 A5R2 A5R7 A5R10 A5R14 A5R16 RESISTOR, FIXED, 1M OHM, 1%, .25W (V56845) 705-3535-120 A5R5 RESISTOR, FIXED 562 OHMS, 1%, 125MW (V56845) 705-3535-800 A5R3 RESISTOR, FIXED FILM, 100 OHM, 1%, 1/4W (V59124) 705-3540-100 A5R4 RESISTOR, NETWORK, 36 OHM, .25W, 2% (ESDS) (V91637) 833-5502-010 TRUE PN IS SOMC160336R0GDC A5RN4 A5RN13 A5RN19 A5RN20 A5RN30 A5RN36 A5RN46 RESISTOR, NETWORK, 47 OHM, .25W, 2% (ESDS) (V11236) 833-5502-020 A5RN37 RESISTOR, NETWORK, 82 OHM, .25W, 2% (ESDS) (V11236) 833-5502-030 A5RN23 A5RN35 RESISTOR, NETWORK 1K OHM, 2% (ESDS) (V11236) 833-5502-040 A5RN24 A5RN25 A5RN34 RESISTOR, NETWORK, 1.5K OHM, .25W, 2% (ESDS) (V11236) 833-5502-050 A5RN38 RESISTOR, NETWORK 4.7K, 2% (ESDS) (V11236) 833-5502-060 A5RN39 A5RN44 RESISTOR, NETWORK 10K, 2% (ESDS) (V11236) 833-5502-070 A5RN2 A5RN43 MICROCIRCUIT (ESDS) (V11236) 833-5502-080 A5RN1 A5RN3 RESISTOR, NETWORK 47K, 2% (ESDS) (V91637) 833-5502-120 A5RN21 A5RN22 A5RN26 A5RN29 A5RN33 RESISTOR, NETWORK, 62K OHM, .25W, 2% (ESDS) (V11236) 833-5502-140 A5RN40 RESISTOR, NETWORK, 100K OHM, .25W, 2% (V11236) 833-5502-180 A5RN42 RESISTOR, NETWORK, 270K OHM, .25W, 2% (ESDS) (V11236) 833-5502-190 A5RN41			47
115	CRCW12061002F		2			6	
120	CRCW12061004F		2			1	
125	CRCW12065620F		2			1	
130	RK73H2BL1000F		2			1	
135	SOMC160336R0GDC		2			7	
140	833-5502-020		2			1	
145	833-5502-030		2			2	
150	833-5502-040		2			3	
155	833-5502-050		2			1	
160	833-5502-060		2			2	
165	833-5502-070		2			2	
170	833-5502-080		2			2	
175	833-5502-120		2			5	
180	833-5502-140		2			1	
185	833-5502-180		2			1	
190	833-5502-190		2			1	

- ITEM NOT ILLUSTRATED

**ROCKWELL COLLINS
COMPONENT MAINTENANCE MANUAL with IPL
TDR-94, PART NO 622-9352**

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
21			1			
195	4816PS40-000		2	RESISTOR, FIXED, 1.2W, 2% (ESDS) (V80294) 833-6002-010 TRUE PN IS 4816P-S40-000 ASRN1 ASRN6 ASRN7 ASRN8 ASRN9 ASRN10 ASRN11 ASRN12 ASRN14 ASRN15 ASRN16 ASRN17 ASRN18 ASRN27 ASRN28 ASRN31 ASRN32 ASRN45 ASRN47 ASRN48 ASRN49 ASRN133 CAPACITOR, FIXED 4.7UF, 10%, 10V (V04222) 834-2008-140 AS-C120 CAPACITOR, FIXED 1UF, 10%, 50V (V04222) 834-2008-320 AS-C12 AS-C13 AS-C14 AS-C15 CAPACITOR, FIXED, .01UF, 10%, 50V (V04222) 834-5005-250 AS-C9 AS-C10 AS-C11 AS-C34 AS-C35 AS-C36 AS-C37 AS-C38 AS-C41 AS-C42 AS-C49 AS-C50 AS-C52 AS-C53 AS-C56 AS-C68 AS-C84 AS-C85 AS-C95 AS-C96 AS-C97 AS-C100 AS-C105 AS-C106 AS-C107 AS-C108 AS-C109 AS-C110 AS-C119 AS-C121 AS-C122 AS-C123 AS-C124 AS-C125 AS-C126 AS-C127 AS-C128 AS-C129 AS-C130 AS-C140 AS-C142 AS-C143 AS-C144 AS-C145 CAPACITOR, FIXED, 0.1UF, 10%, 50V (V04222) 834-5005-370 AS-C115 AS-C116 MICROCIRCUIT (ESDS) (V1M007) 835-0032-010 ASU9 ASU10 ASU11 TRANSISTOR (ESDS) (V1M007) 835-0035-020 ASOP1 ASOP3 ASOP5 TRANSISTOR (ESDS) (V1M007) 835-0036-020 ASOP2 ASOP4 ASOP6 MICROCIRCUIT (ESDS) (V01295) 835-1278-030 ASU3 ASU4 ASU5 ASU6 ASU7 ASU15 MICROCIRCUIT (ESDS) (V34371) 835-5509-100 TRUE PN IS X28HC256J1-90 ASU24 ASU25 MICROCIRCUIT (ESDS) (V34649) 835-1532-090 TRUE PN IS TN80C196KC-20 ASU20 MICROCIRCUIT (ESDS) (V1ES66) 835-1632-010 ASU35 MICROCIRCUIT (ESDS) (V0FB81) 835-1681-030 ASU19 MICROCIRCUIT, MODIFIED (ESDS) ASU13 MICROCIRCUIT (ESDS) (V0C7V7) 835-2012-040 TRUE PN IS CY7C291AL-35JI MICROCIRCUIT (ESDS) (V34335) 835-2059-050 TRUE PN IS AM29F010A-70JI ASU21 ASU22 MICROCIRCUIT (ESDS) (V65786) 351-3245-160 TRUE PN IS CY7C109BN-15VI ASU26 ASU27 MICROCIRCUIT (ESDS) (V61772) 351-9473-010 (OPT TO ITEM 275)		
200	TAJB475K010HNU		2			1
205	TAJIC105K050HNU		2			4
210	12065C103KAT2A		2			44
215	12065C104KAT2A		2			2
220	MC33074D		2			3
225	MMPQ2222A		2			3
230	MMPQ2907A		2			3
235	LM2901D		2			6
240	X28HC256J190		2			2
245	TN80C196KC20		2			1
250	MAX693AESE		2			1
255	835-1681-030		2			1
260	831-4505-004		2			1
- 265	CY7C291AL35JI		3			1
270	AM29F010A70JI		2			2
275	CY7C109BN15VI		2			2
- 275A	IDT71024S20VI		2			2

- ITEM NOT ILLUSTRATED

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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
280	31015-11		2	MICROCIRCUIT (ESDS) (V34576) 351-4950-010 A5U12		1
285	831-4504-001		2	MICROCIRCUIT, MODIFIED (ESDS)		1
-290	ATF22V10C7JI		3	A5U16 MICROCIRCUIT (ESDS) (V1FM41) 835-5874-070 TRUE PN IS ATF22V10C-7JI		1
295	P6SMB11CA		2	DIODE (V14936) 844-0103-010 A5VR19 A5VVR20 A5VR21 A5VR22 A5VR31 A5VR32 A5VVR33 A5VR34 A5VR43 A5VR44		10
300	SG615P20-000MC		2	MICROCIRCUIT (ESDS) (V61722) 850-1035-010 TRUE PN IS SG-615P20.000MC		1
305	2743019447		2	A5Y1 BEAD, SURFACE MOUNT FERRITE (V34899) 852-3002-010		15
310	08055A100JAT9A		2	A5Z21 A5Z25 A5Z29 A5Z13 A5Z17 A5Z21 A5Z25 A5Z29 A5Z33 A5Z37 A5Z41 A5Z45 A5Z53 A5Z57 A5Z61 CAPACITOR, FIXED CER DIEL, 10PF, 5%, 50V (V04222) 913-3667-030		12
315	08055A470JAT9A		2	A5C69 A5C70 A5C73 A5C74 A5C77 A5C78 A5C81 A5C82 A5C86 A5C90 A5C91 A5C93 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110		8
320	08055A101JAT9A		2	A5C26 A5C30 A5C33 A5C39 A5C45 A5C48 A5C76 A5C92 CAPACITOR, FIXED, 100PF, 5%, 50V (V04222) 913-3667-150		8
325	08055A331JAT9A		2	A5C54 A5C55 A5C58 A5C59 A5C60 A5C61 A5C65 A5C66 CAPACITOR, FIXED CER DIEL, 330PF, 5%, 50V (V04222) 913-3667-200		2
330	08055A471JAT9A		2	A5C113 A5C114 CAPACITOR, FIXED, 5.6PF, 50V (V04222) 913-3667-230		57
335	08055A221JAT9A		2	A5C1 A5C2 A5C3 A5C4 A5C5 A5C6 A5C7 A5C8 A5C16 A5C18 A5C19 A5C20 A5C22 A5C23 A5C25 A5C27 A5C28 A5C29 A5C31 A5C32 A5C40 A5C43 A5C44 A5C46 A5C47 A5C51 A5C57 A5C62 A5C63 A5C64 A5C67 A5C71 A5C72 A5C75 A5C79 A5C80 A5C83 A5C87 A5C88 A5C89 A5C94 A5C98 A5C99 A5C101 A5C102 A5C103 A5C104 A5C131 A5C132 A5C133 A5C134 A5C135 A5C136 A5C137 A5C138 A5C146 A5C147 CAPACITOR, FIXED CER DIEL, 220PF, 5%, 50V (V04222) 913-3667-470		1
340	08051A430JATMN		2	A5C112 CAPACITOR, FIXED CER DIEL, 43PF, 5%, 100V (V04222) 913-3669-080		1
345	080505C561KAT9E		2	A5C111 CAPACITOR, FIXED CER, 560PF, 10%, 50V (V04222) 913-3670-090		3
350	RK73H2BL4751F		2	A5C17 A5C21 A5C24 RESISTOR, FIXED, 4.75K OHM, 1%, .25W (V59124) 705-3537-600		1
355	P6SMB6-8A		2	A5R15 DIODE (V1MQ07) 844-0082-010 TRUE PN IS P6SMB6.8A A5VR61 A5VVR62		2

- ITEM NOT ILLUSTRATED

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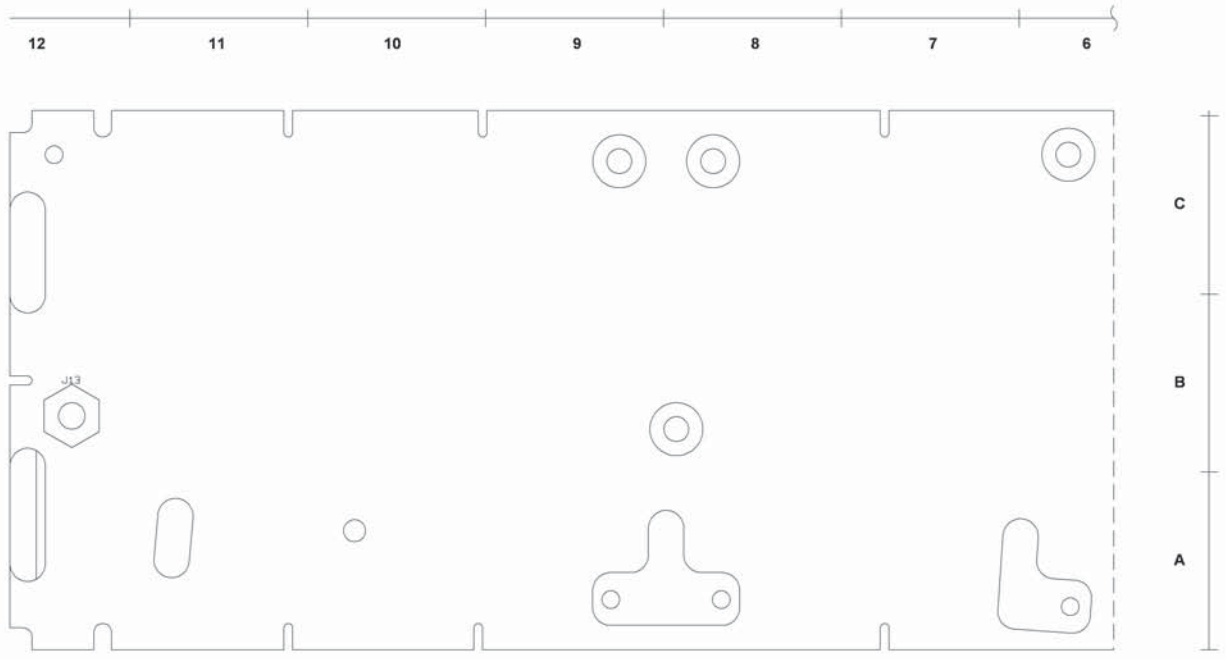
Figure 22. Power Amplifier Circuit Card A2 (CPN 687-0722-006)

Component Location Chart

REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO	REF DES	GEO LOC	ITEM NO
C1	B-3	230	C301	C-3	220	CR201	A-4	105	R202	A-3	135
C101	C-10	255	C302	C-4	220	CR203	C-7	280	R203	C-4	135
C102	B-10	270	C303	C-4	220	CR204	C-5	280	R204	C-3	135
C103	C-10	230	C304	B-3	230	CR205	A-7	280	R302	C-3	120
C104	C-10	255	C305	B-4	230	CR206	A-5	280	R303	B-3	115
C106	C-11	275	C306	A-3	225	CR207	C-4	105	R304	B-3	120
C109	B-12	275	C307	B-4	230	CR301	B-4	195	R305	B-4	170
C110	B-12	275	C308	B-4	230	CR302	A-4	195	R306	B-4	160
C111	A-12	275	C309	A-3	225	FL301	B-5	205	R307	A-3	120
C112	A-11	275	C310	B-3	225	FL302	B-5	205	R308	B-3	115
C113	A-10	265	C311	B-4	230	J13	B-12*	110	R309	B-3	120
C114	B-10	275	C312	C-3	225	L101	C-10	90	R310	B-4	170
C115	B-9	275	C313	A-3	220	L102	C-11	90	R311	B-4	160
C116	B-9	265	C314	A-4	220	L103	C-11	90	R313	B-1	285
C117	B-8	275	C315	A-4	220	L104	C-12	90	R314	B-1	150
C118	B-7	275	C316	B-4	215	L105	A-11	90	R315	B-1	150
C119	B-7	260	C317	B-3	230	L106	A-9	85	R316	B-1	140
C120	B-7	275	C320	B-1	220	L201	A-4	85	R317	B-1	140
C121	A-9	260	C321	B-1	220	L202	C-4	85	R318	B-2	170
C122	A-8	260	C322	B-2	230	L305	B-3	200	R319	B-2	170
C123	C-10	255	C323	B-2	230	L306	A-3	200	U101	B-4*	175
C124	C-11	255	C324	B-2	220	Q101	C-10	190	U301	B-2	210
C125	C-12	255	C325	B-2	220	Q102	C-11	5	U302	C-4	180
C126	C-12	230	C401	C-10	215	Q103	A-11	25	U303	C-4	185
C127	B-11	255	C402	C-11	215	Q104	A-10	45	U304	B-2	210
C128	B-11	230	C403	C-11	215	Q105	B-8	65	U305	A-4	180
C129	C-10	235	C404	C-12	215	R101	A-9	165	U306	A-4	185
C130	B-12	245	C405	B-11	215	R102	A-9	165	U307	B-2	180
C132	A-8	240	C406	A-9	215	R103	A-8	165	U308	B-1	180
C133	B-8	250	C407	A-8	215	R104	A-8	165			
C2	B-3	230	C501	C-4	215	R105	C-10	130			
C201	A-4	220	C502	C-4	215	R106	C-11	145			
C203	C-7	255	C503	A-6	215	R107	C-11	125			
C204	C-4	255	C504	A-4	215	R108	A-8	165			
C205	A-7	255	C505	A-4	215	R109	A-8	165			
C206	A-4	255	C506	C-6	215	R110	A-11	155			
C207	C-4	220	CR1	C-11	100	R201	A-4	135			

* DESIGNATES BACKSIDE COMPONENTS

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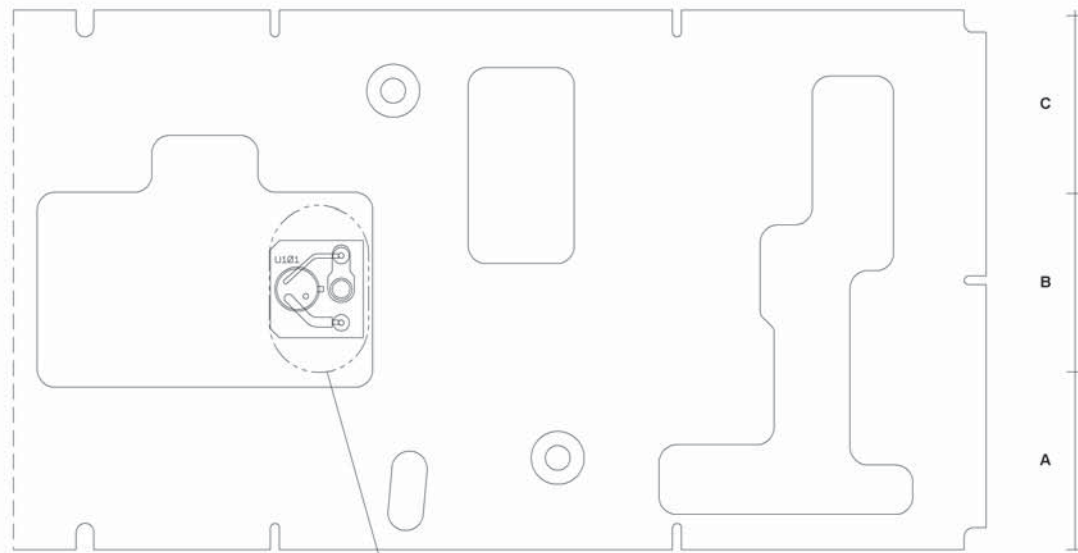


PARTIAL BACKSIDE VIEW

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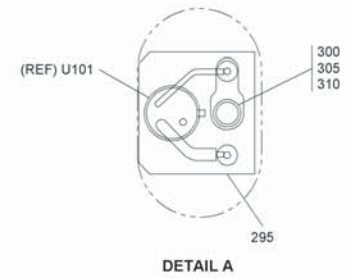
Power Amplifier Circuit Card A2 (CPN 687-0722-006)
Figure 22 (Sheet 1 of 4) /GRAPHIC 34-50-96-99B-822-A01

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SEE DETAIL A

PARTIAL BACKSIDE VIEW



DETAIL A

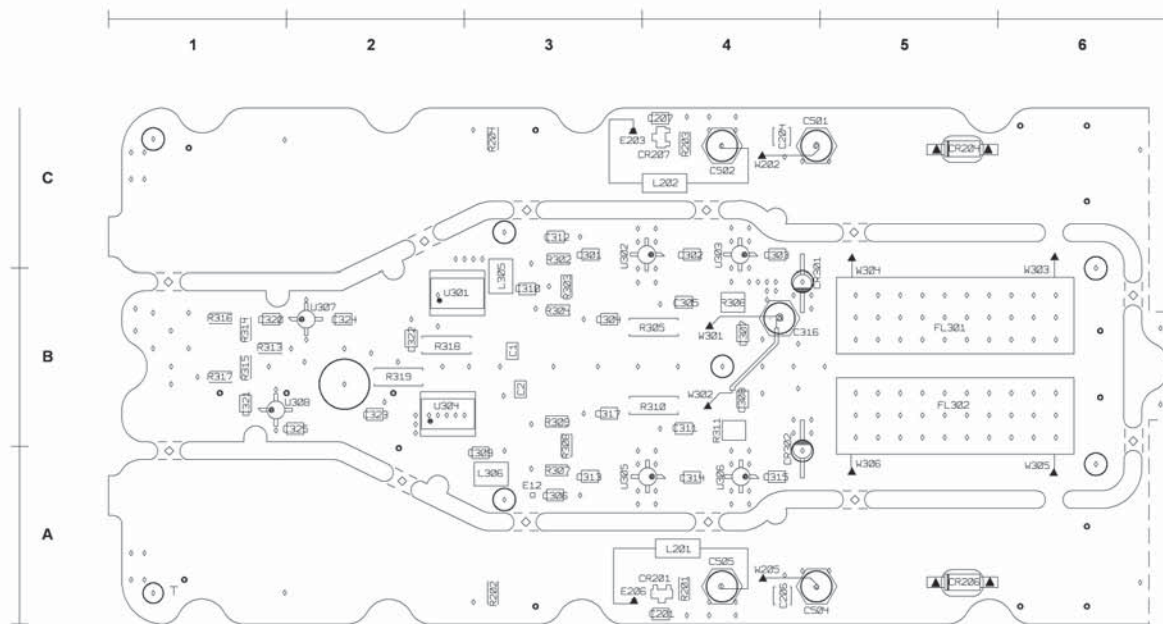
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Power Amplifier Circuit Card A2 (CPN 687-0722-006)
 Figure 22 (Sheet 2 of 4) /GRAPHIC 34-50-96-99B-822-A01

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PARTIAL TOPSIDE VIEW

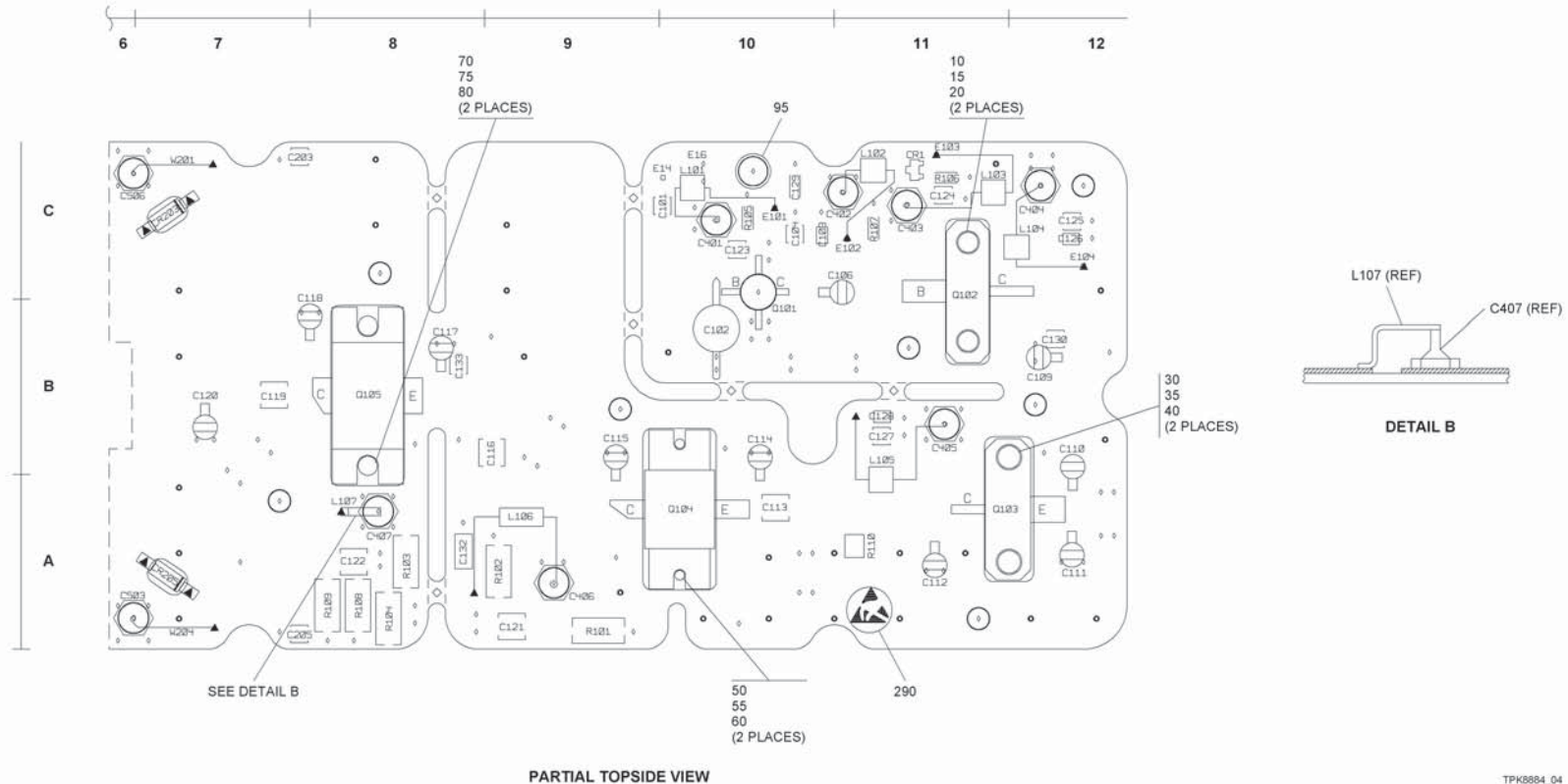
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Power Amplifier Circuit Card A2 (CPN 687-0722-006)
 Figure 22 (Sheet 3 of 4) /GRAPHIC 34-50-96-99B-822-A01

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Power Amplifier Circuit Card A2 (CPN 687-0722-006)
 Figure 22 (Sheet 4 of 4) /GRAPHIC 34-50-96-99B-822-A01

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**ROCKWELL COLLINS
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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
22						
1	687-0722-006		1	CIRCUIT CARD, POWER AMPLIFIER (ESDS) (SEE FIG 2-25D FOR NHA)		RF
5	23A008		2	A2 TRANSISTOR (ESDS) (V0PJR2) 843-1507-020 A2Q102		1
5A	SD1802-01		2	TRANSISTOR (ESDS) (V08JAO) 843-1507-010 (OPT TO ITEM 5)		1
10	347-0006-000		2	SCREW, MACHINE CRES, PSVT 0.112-40X0.250L		2
15	MS35338-135		2	(V1GP79) 347-0006-000 WASHER, LOCK SST 0.115 ID X 0.209 OD		2
20	188-121-015		2	(V96906) 310-0279-000 WASHER, FLAT, .121 ID, .188 OD, .015 (V85446) 846-1009-010 TRUE PN IS 188 121 015		2
25	1512-06		2	TRANSISTOR (ESDS) (V08JAO) 843-0018-010 A2Q103		1
30	347-0006-000		2	SCREW, MACHINE CRES, PSVT 0.112-40X0.250L		2
35	MS35338-135		2	(V1GP79) 347-0006-000 WASHER, LOCK SST 0.115 ID X 0.209 OD		2
40	188-121-015		2	(V96906) 310-0279-000 WASHER, FLAT, .121 ID, .188 OD, .015 (V85446) 846-1009-010 TRUE PN IS 188 121 015		2
45	SRF4037		2	TRANSISTOR (ESDS) (V04713) 843-0019-010 A2Q104		1
50	347-0006-000		2	SCREW, MACHINE CRES, PSVT 0.112-40X0.250L		2
55	MS35338-135		2	(V1GP79) 347-0006-000 WASHER, LOCK SST 0.115 ID X 0.209 OD		2
60	188-121-015		2	(V96906) 310-0279-000 WASHER, FLAT, .121 ID, .188 OD, .015 (V85446) 846-1009-010 TRUE PN IS 188 121 015		2
65	MRF10502		2	TRANSISTOR (ESDS) (V04713) 843-0023-030 A2Q105		1
70	347-0006-000		2	SCREW, MACHINE CRES, PSVT 0.112-40X0.250L		2
75	MS35338-135		2	(V1GP79) 347-0006-000 WASHER, LOCK SST 0.115 ID X 0.209 OD		2
80	188-121-015		2	(V96906) 310-0279-000 WASHER, FLAT, .121 ID, .188 OD, .015 (V85446) 846-1009-010 TRUE PN IS 188 121 015		2
85	MS75083-1		2	COIL, RF, 0.100UH (V96906) 240-2723-140 A2L106 A2L201 A2L202 COIL		3
90	W2298		2	(V02113) 628-5632-001 A2L101 A2L102 A2L103 A2L104 A2L105		5

- ITEM NOT ILLUSTRATED

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FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
22						
95	307-1020-000		2	EYELET, FLANGE, ROLLED, .152, .158 (V23730) 307-1020-000		1
100	MMBD6050		2	DIODE (V1M007) 353-8135-010		1
105	BAS70-05		2	A2CR1 DIODE (V12954) 353-8136-020		2
110	3009-1511-005		2	A2CR201 A2CR207 CONNECTOR, ELECTRICAL (V19505) 357-7195-010		1
115	653-0030-002		2	A2J13 RESISTOR, TEST SELECT (SEE FIG 23 FOR DET BKDN)		2
120	653-0030-003		2	A2R303 A2R308 RESISTOR, TEST SELECT (SEE FIG 24 FOR DET BKDN)		4
125	RK73H2BL2211F		2	A2R302 A2R304 A2R307 A2R309 RESISTOR, FIXED, 2.21K OHM, .25W, 1%		1
130	RK73H2BL47R5F		2	(V59124) 705-3537-330 A2R107 RESISTOR, FIXED FILM, 47.5 OHM, 1%, 125MW		1
135	RK73H2BL51R1F		2	(V59124) 705-3539-790 A2R105 RESISTOR, FIXED FILM, 51.1 OHM, 1%, .25W		4
140	RK73H2BL1500F		2	(V59124) 705-3539-820 A2R201 A2R202 A2R203 A2R204 RESISTOR, FIXED FILM, 150 OHM, 1%, 1/4W		2
145	RK73H2BL1000F		2	(V59124) 705-3540-270 A2R316 A2R317 RESISTOR, FIXED FILM, 100 OHM, 1%, 1/4W		1
150	CRCW120668R1FB		2	(V59124) 705-3540-100 A2R106 RESISTOR, FIXED FILM, 68.1 OHM, 1%, 1/8W		2
155	RK73B2ELBD470J		2	(V56845) 705-3539-940 A2R314 A2R315 RESISTOR, FIXED, 47 OHM, .25W, 5%		1
160	RK73B2ELBD511J		2	(V59124) 705-3541-170 A2R110 RESISTOR, FIXED, 510 OHM, .25W, 5%		2
165	RK73B3AL200J		2	(V59124) 705-3541-420 A2R306 A2R311 RESISTOR, FIXED, 20 OHM, 1W, 5%		6
170	833-6524-720		2	(V59124) 833-6009-040 A2R101 A2R102 A2R103 A2R104 A2R108 A2R109 RESISTOR, FIXED, 200 OHM, .6W, 1% (ESDS)		4
175	LM235AH		2	(V91637) 833-6524-720 PN IS REF NO FOR RCWP7225200RFKBB		1
180	MSA0386BLKG		2	A2R305 A2R310 A2R318 A2R319 MICROCIRCUIT (ESDS) (V27014) 835-0016-010 A2U101 MICROCIRCUIT (ESDS)		4
185	A06		2	(V07980) 835-0057-030 TRUE PN IS MSA-0386-BLKG		2
190	MRF2369		2	A2U302 A2U305 A2U307 A2U308 MICROCIRCUIT (ESDS) (V07980) 835-0057-040 A2U303 A2U306 TRANSISTOR (ESDS) (V04713) 843-0017-010 TRUE PN IS {MRF}2369 A2O101		1

- ITEM NOT ILLUSTRATED

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FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENTIFICATION			NOMENCLATURE	EFFECT CODE	UNITS PER ASSY	
			I	N	T				
22									
195	DL100211-701		2			DIODE (V96341) 844-0033-010 A2CR301 A2CR302 COIL, 0.1 (V99800) 849-0025-010 A2L305 A2L306 FILTER, CERAMIC (V76978) 849-0510-010 A2FL301 A2FL302 MICROCIRCUIT (ESDS) (V15542) 850-0001-080 TRUE PN IS JMS-5LH A2U301 A2U304 CAPACITOR, FIXED CER DIEL 100PF, 20%, 100V (V33095) 913-1128-010 A2C316 A2C401 A2C402 A2C403 A2C404 A2C405 A2C406 A2C407 A2C501 A2C502 A2C503 A2C504 A2C505 A2C506 CAPACITOR, FIXED CER DIEL, 47PF, 5%, 50V (V04222) 913-3667-110 A2C201 A2C207 A2C301 A2C302 A2C303 A2C313 A2C314 A2C315 A2C320 A2C321 A2C324 A2C325 CAPACITOR, FIXED CER DIEL 24PF, 5%, 100V (V04222) 913-3669-050 A2C306 A2C309 A2C310 A2C312 CAPACITOR, FIXED, .001UF, 50V (V04222) 913-3670-120 A2C1 A2C2 A2C103 A2C126 A2C128 A2C304 A2C305 A2C307 A2C308 A2C311 A2C317 A2C322 A2C323 CAPACITOR, FIXED CER DIEL 0.1UF, 20%, 50V (V04222) 913-3676-130 A2C129 CAPACITOR, FIXED CER DIEL, 0.01UF, 10%, 100VDC (V04222) 913-5019-200 A2C132 CAPACITOR, FIXED CER DIEL 5.6PF, FORM 0.1PF, 50V (V04222) 914-3500-090 A2C130 CAPACITOR, FIXED, 7.5PF, 150V (V04222) 914-3500-110 A2C133 CAPACITOR, FIXED CER DIEL 51PF, 5%, 50V (V04222) 914-3500-300 A2C101 A2C104 A2C123 A2C124 A2C125 A2C127 A2C203 A2C204 A2C205 A2C206 CAPACITOR, FIXED, 33PF, 500V (V04222) 914-3503-390 A2C119 A2C121 A2C122 CAPACITOR, FIXED, 330PF, 5%, 200V (V04222) 914-3503-670 A2C113 A2C116 CAPACITOR, VAR CER DIEL, 1-4.5PF, 250VDC (V91293) 917-0501-120 A2C102 CAPACITOR, VARIABLE 0.6 TO 4.5PF 500V (V52769) 922-0596-140 A2C106 A2C109 A2C110 A2C111 A2C112 A2C114 A2C115 A2C117 A2C118 A2C120	2		
200	1812-101K		2					2	
205	KFF6138A		2					2	
210	JMSSLH		2					2	
215	54-713-063		2					14	
220	08055A470JAT9A		2					12	
225	08051A240JATMN		2					4	
230	08055C102KAT9E		2					13	
235	12065C104KAT9A		2					1	
240	CK05BX103K		2					1	
245	AQ12EM5R6BAJBE		2					1	
250	AQ12EM7R5BAJBE		2					1	
255	AQ12EM510JAJBE		2					10	
260	CDR14BG330EJUR		2					3	
265	CDR14BG331CJUR		2					2	
270	9610-3LSL		2					1	
275	GNV4R551		2					10	

- ITEM NOT ILLUSTRATED

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FIG- ITEM	PART NUMBER	AIRLINE PART NUMBER	Q U A N T I T Y	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
22						
280	MA4P7104B		2	DIODE (V96341) 922-6151-040		4
285	CRCW12063920F		2	A2CR203 A2CR204 A2CR205 A2CR206 RESISTOR, FIXED, 392 OHM, .25W, 1% (V56845) 705-3535-660		1
290	280-2745-040		2	A2R313 LABEL, ESDS WARNING (V12998) 280-2745-040		1
295	653-2269-001		2	PLATE, TERMINAL (V12998) 280-2745-040		1
300	343-0298-000		2	---- ATTACHING PARTS ---- SCREW, PAN, 0.086-56, .187 (V1GP79) 343-0298-000		1
305	MS35333-103		2	WASHER, .093 ID, .189 OD (V78189) 373-3120-000		1
310	304-0014-000		2	TERMINAL, LUG (V20293) 304-0014-000 PN IS REF NO FOR 304-0014-000 HOT DIP SOLDER		1
- 315	860-0505-010		3	STANDOFF (V3N087) 860-0505-010 PN IS REF NO FOR 2111-1-00-01-00-00-070		2
- 320	653-2269-002		3	PLATE, TERMINAL		1

- ITEM NOT ILLUSTRATED

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FIGURE 23 IS A TEST SELECT RESISTOR AND REQUIRES NO ILLUSTRATION

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	UNIT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
23						
- 1	653-0030-002		1	RESISTOR, TEST SELECT (SEE FIG 22-115 FOR NHA)		RF
- 10	RK73H2BL11R0F		2	RESISTOR, FIXED, 1.1 OHM, .25W, 1% (V59124) 705-3539-180		AR
- 20	RK73H2BL18R2F		2	RESISTOR, FIXED FILM, 18.2 OHM, 1%, 1/8W (V59124) 705-3539-390		AR
- 30	RK73H2BL24R3F		2	RESISTOR, FIXED FILM 24.3 OHMS, 1%, 1/25MW (V59124) 705-3539-510		AR
- 40	RK73H2BL30R1F		2	RESISTOR, FIXED, .30,1 OHM, .25W, 1% (V59124) 705-3539-600		AR
- 50	RK73H2BL43R2F		2	RESISTOR, FIXED FILM, 43.2 OHMS, 1%, 0.4W (V59124) 705-3539-750		AR
- 60	RK73H2BL61R9F		2	RESISTOR, FIXED 61.9 OHM, 1%, 0.025W (V59124) 705-3539-900		AR
- 70	RK73Z2BL		2	RESISTOR, FIXED FILM, .05 OHM, .2 AMP (V59124) 833-6008-020		AR
- 80	RK73H2BL35R7F		2	RESISTOR, FIXED, .35,7 OHM, .25W, 1% (V59124) 705-3539-670		AR
- 90	RK73H2BL51R1F		2	RESISTOR, FIXED FILM, 51.1 OHM, 1%, .25W (V59124) 705-3539-820		AR

- ITEM NOT ILLUSTRATED

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FIGURE 24 IS A TEST SELECT RESISTOR AND REQUIRES NO ILLUSTRATION

FIG-ITEM	PART NUMBER	AIRLINE PART NUMBER	IDENT	NOMENCLATURE	EFFECT CODE	UNITS PER ASSY
24						
- 1	653-0030-003		1	RESISTOR, TEST SELECT (SEE FIG 22-120 FOR NHA)		RF
- 10	CRCW12063010F		2	RESISTOR, FIXED FILM, 301 OHMS, 1%, 125MW		AR
- 20	CRCW12064320F		2	(V56845) 705-3535-550 RESISTOR, FIXED FILM, 432 OHMS, 1%, 0.4W		AR
- 30	RK73H2BL1000F		2	(V56845) 705-3535-690 RESISTOR, FIXED FILM, 100 OHM, 1%, 1/4W		AR
- 40	RK73H2BL1820F		2	(V59124) 705-3540-100 RESISTOR, FIXED, 182 OHM, .25W, 1%		AR
- 50	RK73H2BL2210F		2	(V59124) 705-3540-350 RESISTOR, FIXED FILM, 221 OHMS, 1%, 125MW		AR
- 60	RK73H2BL1500F		2	(V59124) 705-3540-430 RESISTOR, FIXED FILM, 150 OHM, 1%, 1/4W		AR
- 70	RK73H2BL1300F		2	(V59124) 705-3540-270 RESISTOR, FIXED FILM, 130 OHM, 1%, 1/4W		AR
- 80	RK73H2BL1150F		2	(V59124) 705-3540-210 RESISTOR, FIXED FILM, 115 OHM, 1%, 1/4W (V59124) 705-3540-160		AR

- ITEM NOT ILLUSTRATED

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SPECIAL PROCEDURES

TASK 34-50-96-99E-803-A01

1. Introduction

A. This section gives special procedures that are necessary because of other maintenance tasks done to the unit. These procedures are not shown in other sections of this manual.

TASK 34-50-96-99E-804-A01

2. Procedures

A. There are no special procedures necessary for this equipment.

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REMOVAL

TASK 34-50-96-01 0-801-A01

1. Introduction

A. This section is not applicable to this component.

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INSTALLATION

TASK 34-50-96-410-801-A01

1. Introduction

A. This section is not applicable to this component.

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SERVICING

TASK 34-50-96-61 0-801-A01

1. Introduction

A. This section is not applicable to this component.

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STORAGE INCLUDING TRANSPORTATION

TASK 34-50-96-550-801-A01

1. Introduction

A. This section gives the procedures to prepare the unit for transportation or storage and preservation. Do these procedures after the test and assembly procedures are completed.

TASK 34-50-96-550-802-A01

2. Storage After Assembly

CAUTION: AMBIENT TEMPERATURE LIMITS FOR STORAGE ARE SET IN THE EQUIPMENT SPECIFICATIONS. THE STORAGE AREA TEMPERATURE MUST NOT BE MORE THAN THESE LIMITS.

CAUTION: INSTALL THE CONNECTOR CAPS WHEN A UNIT IS NOT INSTALLED IN THE AIRCRAFT, OR IS IN STORAGE, OR WHILE THE UNIT IS MOVED. WITHOUT CAPS, POSSIBLE ELECTROSTATIC DISCHARGE DAMAGE CAN OCCUR TO THE UNIT.

A. Make sure that all assemblies are attached to the chassis and that the cover is installed on the equipment. Put the equipment in the initial container that it came in, if available. Include the sufficient desiccant to absorb moisture before the equipment is put in storage. Seal the container with tape before storage.

NOTE: To replace connector caps, refer to the Illustrated Parts List or the ALL AIR TRANSPORT AVIONICS EQUIPMENT SIL. The SIL title is Protective Connector Cap Parts List for Collins and other vendor part numbers.

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REWORK

TASK 34-50-96-840-801-A01

1. Introduction

- A. Service bulletins applicable to this equipment are shown in the Service Bulletin List in the front of this manual. Copies of service bulletins are available from Rockwell Collins, Inc.

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APPENDIX A

TASK 34-50-96-99E-805-A01

1. Integrated Circuit Descriptions

- A. The IC description information has been moved to the end of the Description and Operation section of this manual.

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