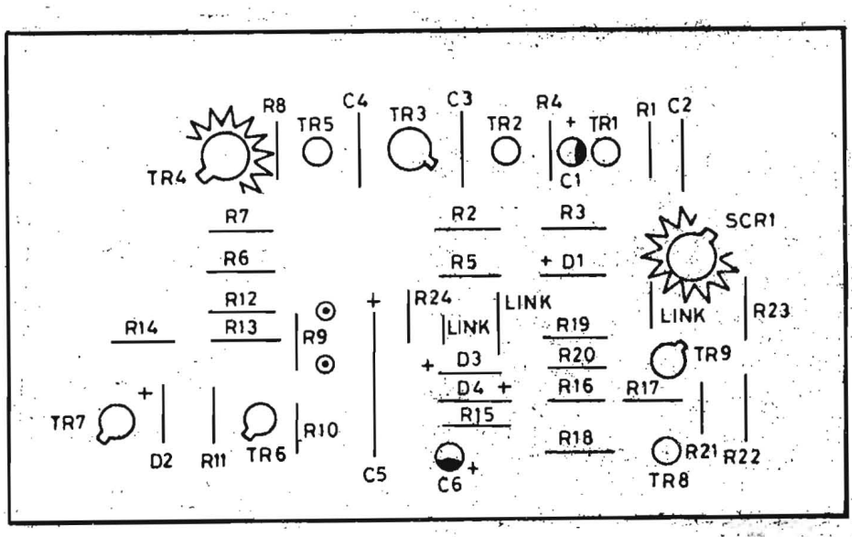
BA 358/ SEE ALSO: BA 358; BA 366; ET 10087; EX 10358;

REGULATOR BA358

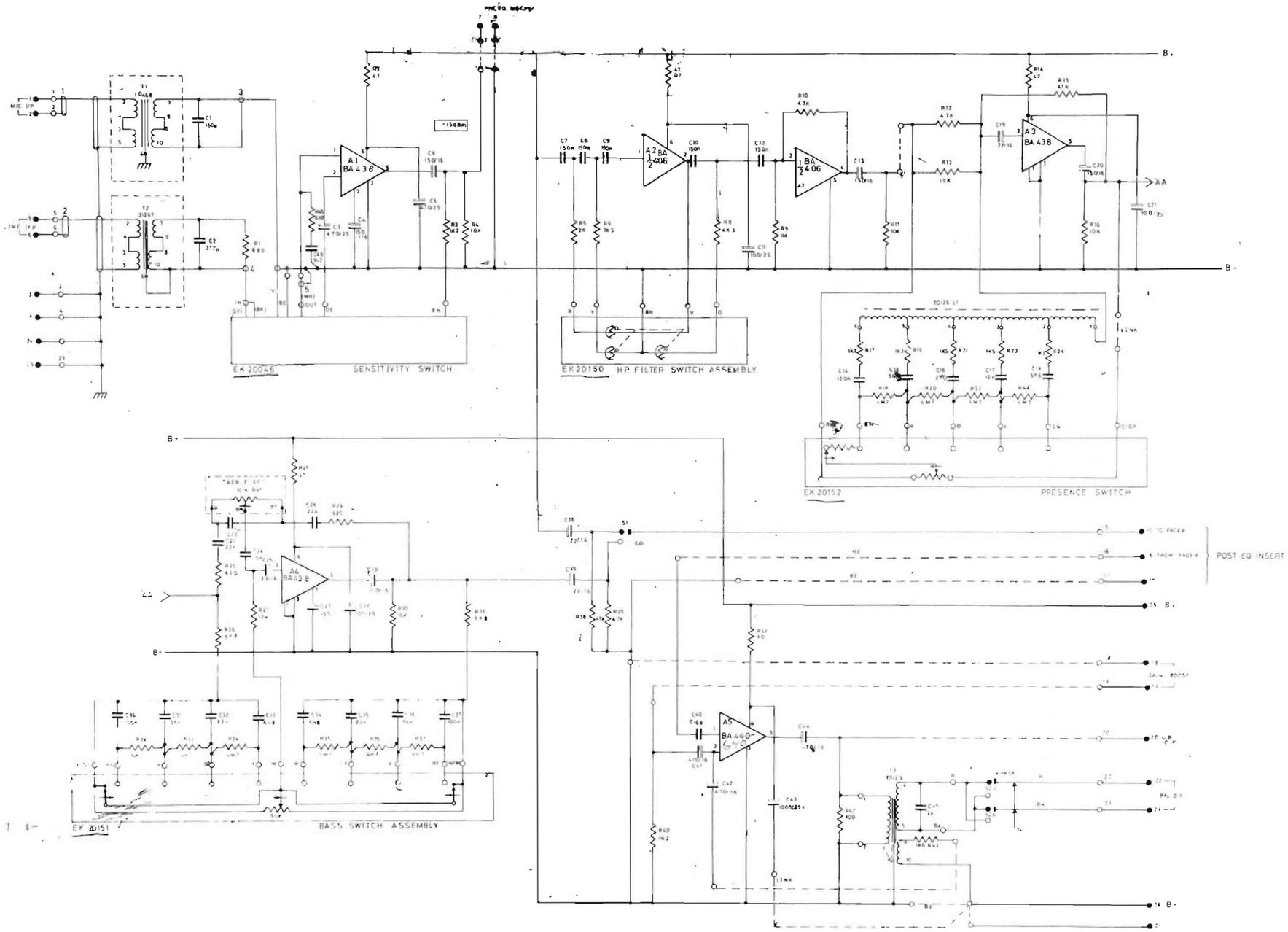


PARTS LIST

Ref	Description			Part No.
R1	Resistor	100	TR4 2%	RA100RO
R2	"	20K	" "	RA020KO
R3	"	5K1	" "	RA005K1
R4	"	100	" "	RA100RO
R5	"	2K4	" "	RA002K4
R6	"	150	" "	RA150RO
R7	"	10K	" "	RA010KO
R8	"	560	" "	RA560RO
R9	"	4K7	" "	RA004K7
R10	"	1K5	" "	RA001K5
R11	"	3KO	" "	RA003KO
R12	"	10K	" "	RA010KO
R13,14	"	430	" "	RA430RO
R15	"	6K8	" "	RA006K8
R16	"	10K	" "	RA010KO
R17	"	1M	CR25	RF001MO
R18	"	10K	TR4 2%	RA010KO
R19	"	2K4	" "	RA002K4
R20	"	10K	" "	RA010KO
R21,22	"	1K	" "	RA001KO
R23,24	"	100	" "	RA100RO
C1	Capacitor	10	µF, 25V TAG	CA60100
C2	"	100	nF, C280AE/P100K	CA21000
C3,4,	"	15	nF, C280AE/P15K	CA20150
C5	"	100	µF, 25V	CA61002
C6	"	22	µF, 16V TAG	CA60223

BA 358

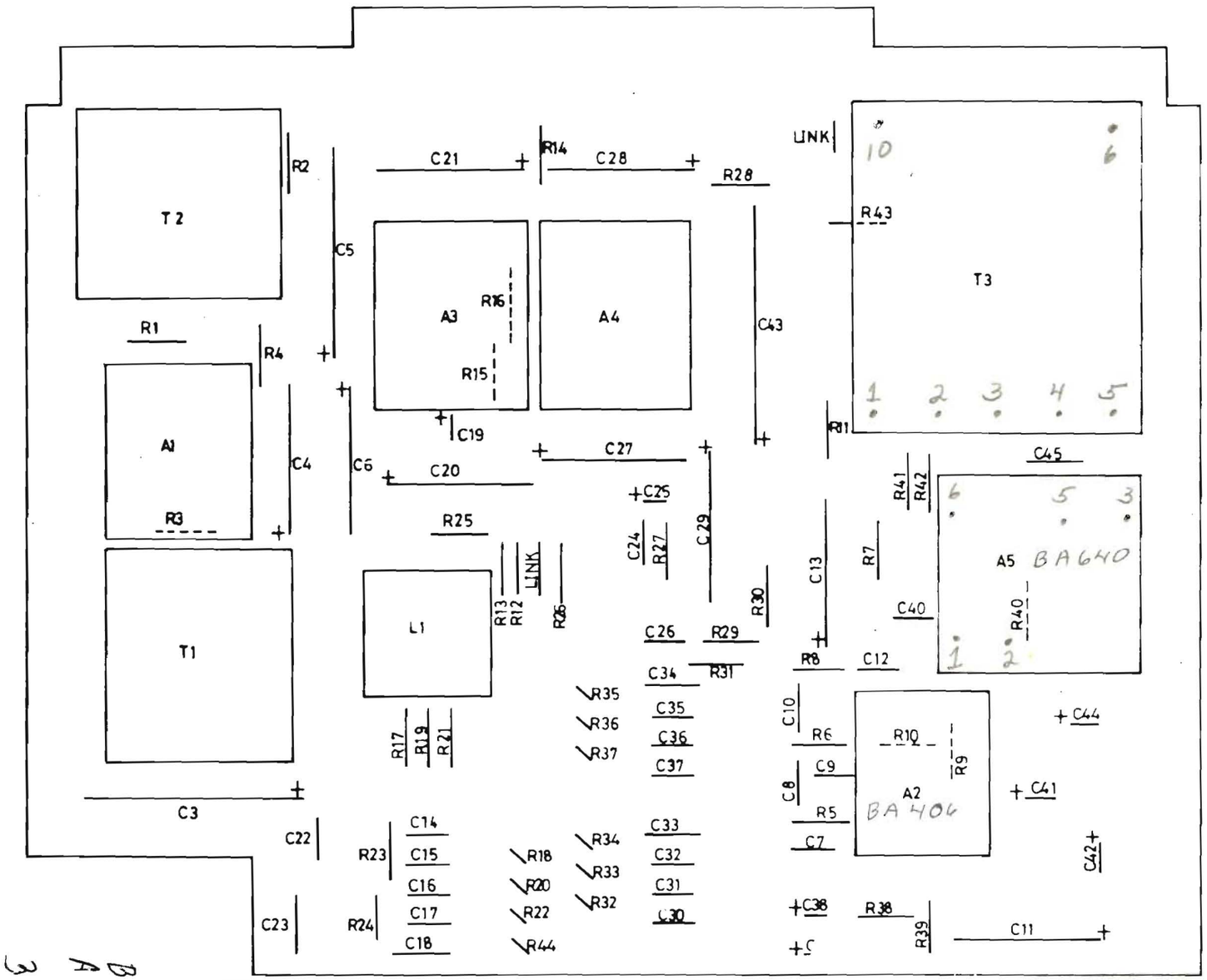
BA 362



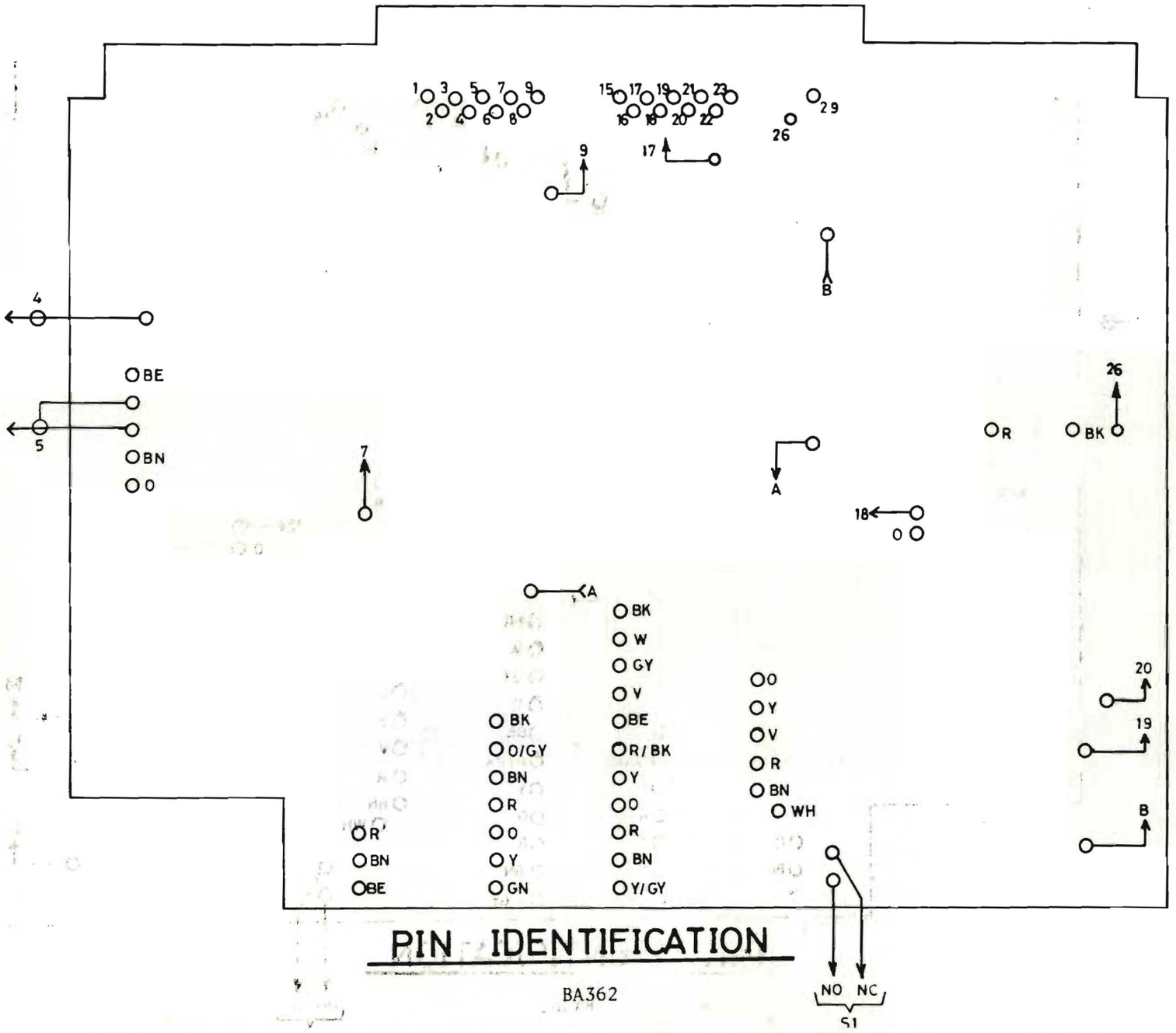
3115 CHANNEL AMPLIFIER (INC BA362 MOTHER BOARD)
EH 10050 ISSUE 5

BA 362

COMPONENT LAYOUT

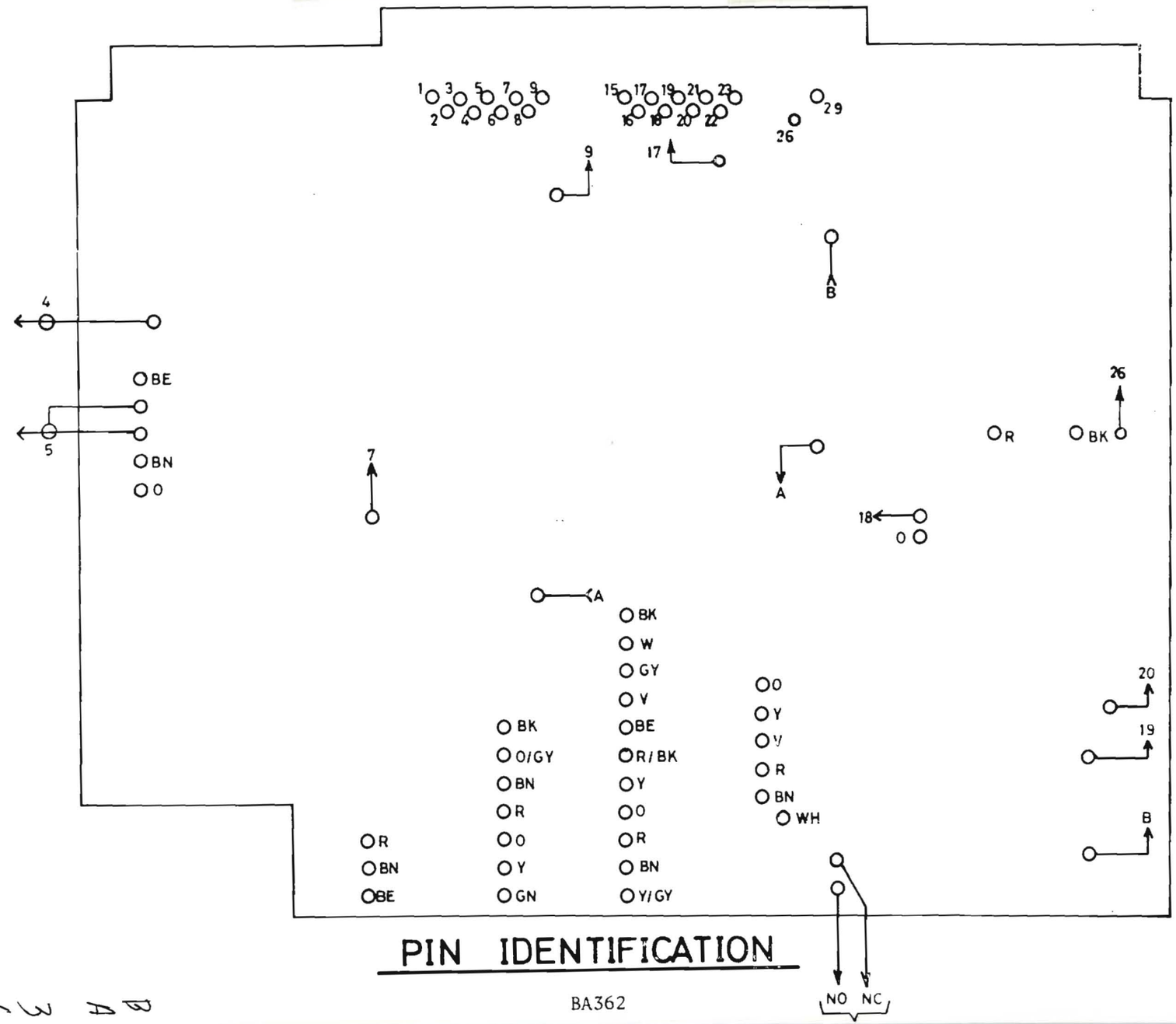


BA362



PIN IDENTIFICATION

BA362



PIN IDENTIFICATION

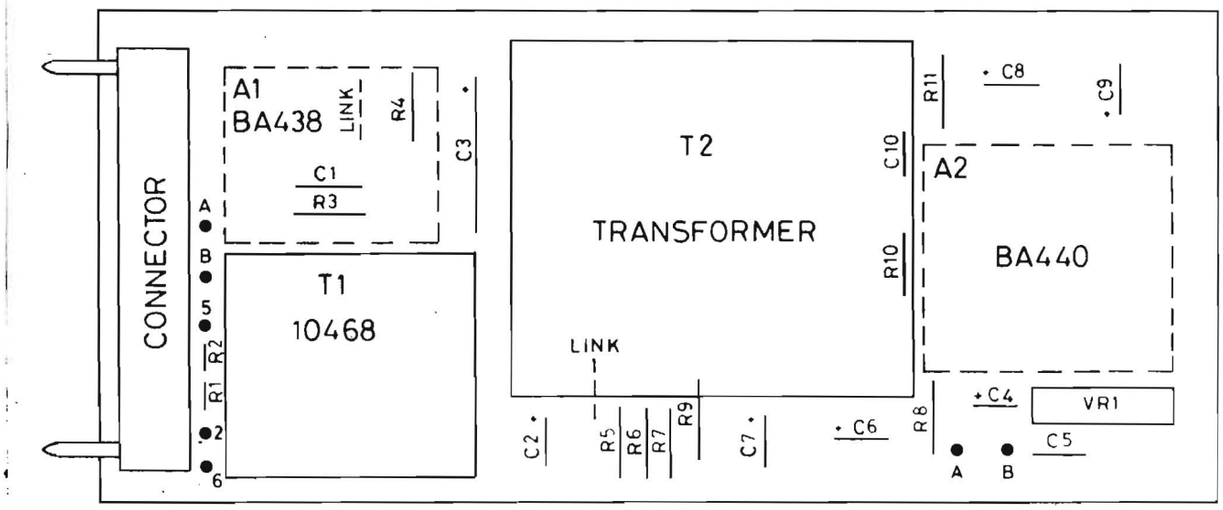
BA362

BA 362

BA 366 / SEE ALSO: BA 358;

PARTS LIST MOTHERBOARD ASSEMBLY BA366 (3415)

Ref	Description	Part No.
R1,2,8	Resistor TR4 5% 1K2 ohms	RA001K2
R3	Resistor " " 4K7 ohms	RA004K7
R4	Resistor " " 47 ohms	RA047RO
R5	Resistor " " 510 ohms	RA510RO
R6	Resistor " " 3K9 ohms	RA003K9
R7	Resistor " " 2K4 ohms	RA002K4
R9	Resistor " " 1K6 ohms	RA001K6
R10	Resistor " " 100 ohms	RA100RO
R11	Resistor " " 10 ohms	RA010RO
RV1	Potentiometer 10K Lin (Rect)	PT15022
C1	Capacitor, Suflex 470 pF	CA14700
C2,6,7,9	Capacitor, Electro. 470 µF, 16V	CA64704
C3	Capacitor, Electro. 100 µF, 25V	CA61002
C4	Capacitor, TAG 22 µF, 16V	CA60223
C5	Capacitor, TAG 33 µF	CA60030
C8	Capacitor, Electro. 470 µF, 25V	CA64703
T1	Transformer 10468S	TF10003
T2	Transformer T1751	TF12012
	Connector ELCO 17-way plug	CN10342
BA366	Printed Circuit Board	EV10366
A1	Printed Circuit Board BA438	PL10438
A2	Printed Circuit Board BA440	PL10440
C10	Capacitor, Suflex	CA 20020
	BA366 (3415X)	
T2	Transformer T1799 (150 ohms)	XX13717
	(Remainder of Parts List as 3415 version)	

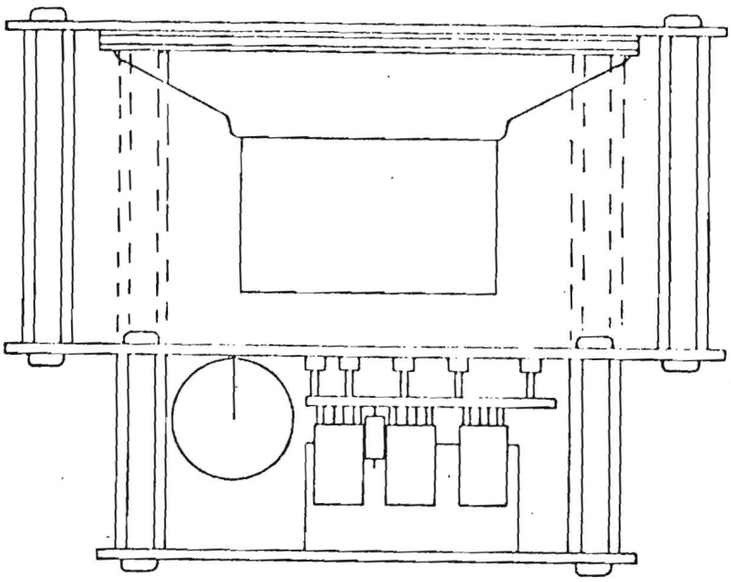


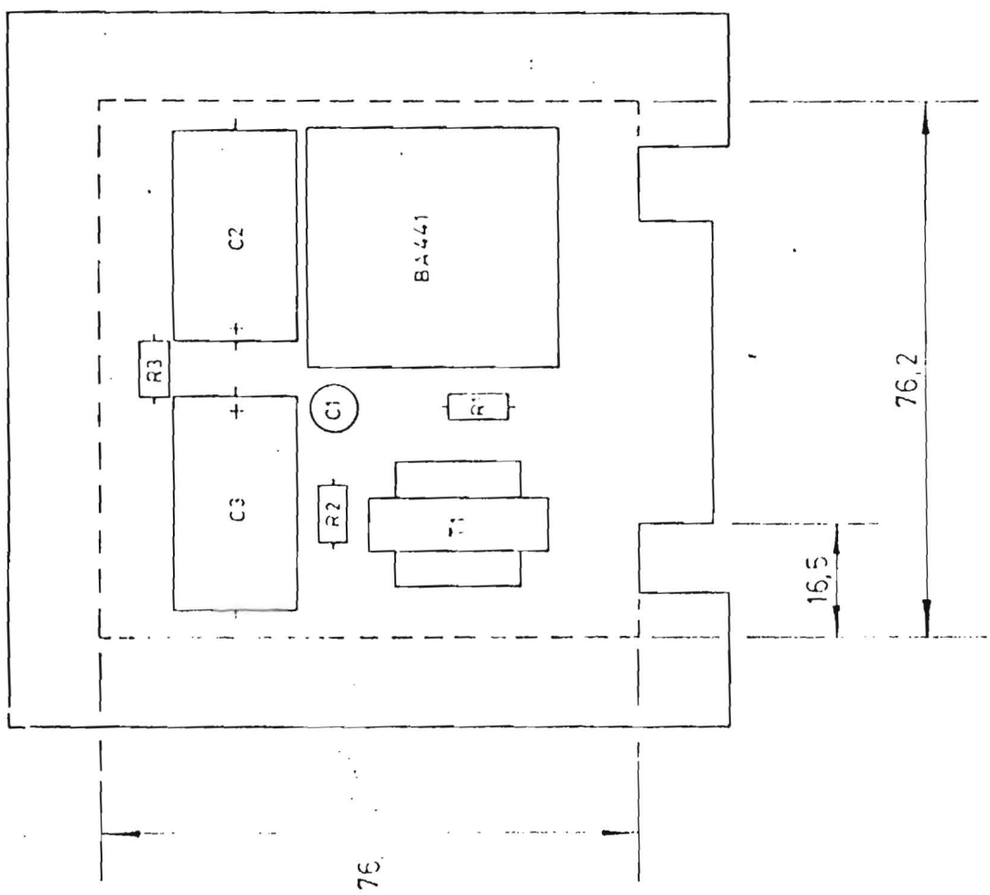
BA 3666

BA 371/B

LOUDSPEAKER AMPLIFIER ASSEMBLY BA371/B

COMPONENT LAYOUT





NOTE: BOARD TO BE CUT TO DOTTED PROFILE DIMS. WHEN USED ON 3" SPEAKER.

BA 371/B

BA 374

BA374 INFORMATION

GENERAL DESCRIPTION

The BA374 P.P.M. Drive Amplifier is contained on a double-sided printed circuit board measuring 3 inches by 2.4 inches (7.5cm x 6cm) fitted with an integral 15-way edge connector. Holes are provided for an alternative method of mounting directly on the terminals of the associated P.P.M. meters (Sifam 22F, R32F and D14) with which it is designed to operate. Using the R32F meter, the assembly meets requirements of BS4298 : 1968.

Facilities are provided for operating from balanced lines at 0dBu or -20dBu, the input impedances being respectively 49K and 8.3K. Up to five slave meters may be driven using individual series and shunt resistors.

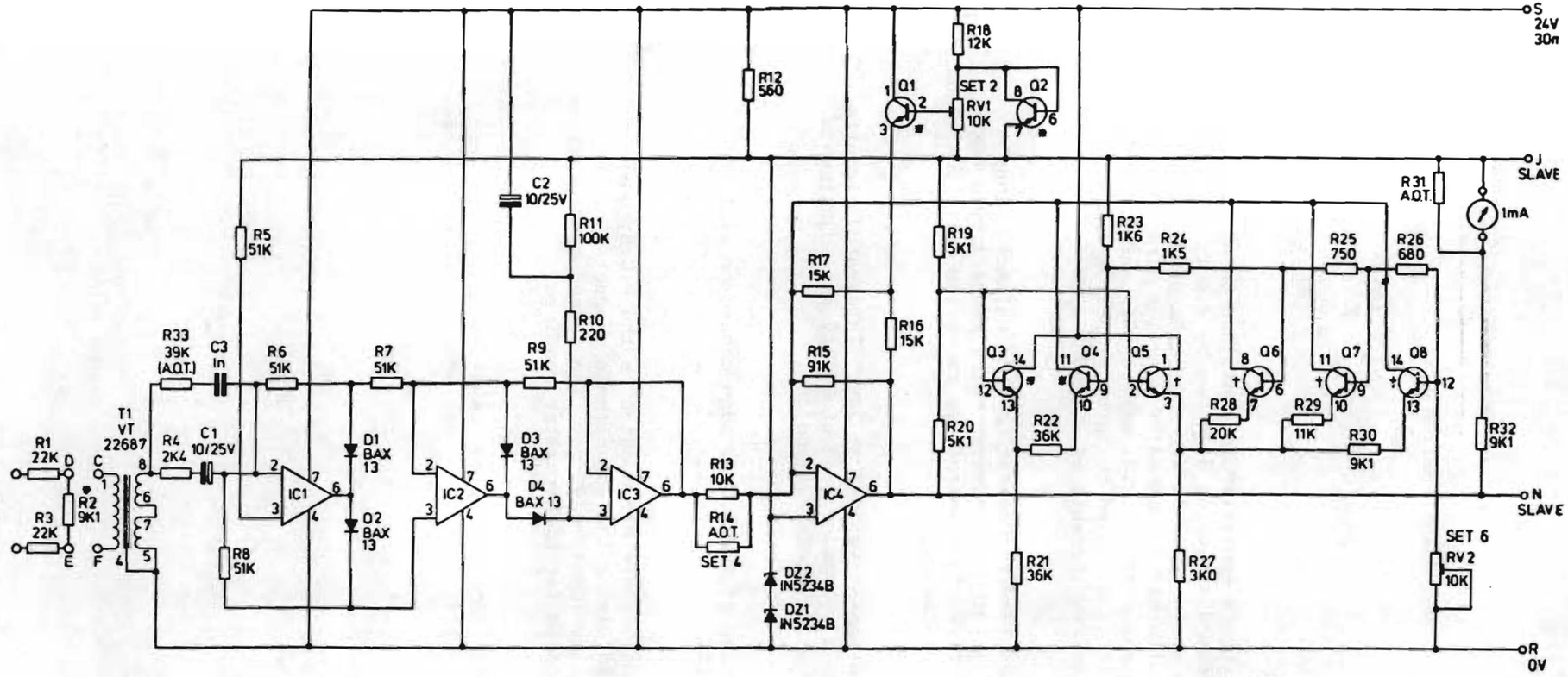
Power supply requirement is 30mA at 24V. Integrated circuits are used throughout to ensure good stability and adjustments are provided for scale marks '2' and '6'.

Accidental reversing of the P.C.B. edge connector will not damage the circuit.

Two pre-set potentiometers are mounted on the P.C.B; one for automatically maintaining the logarithmic character of the meter reading at low input readings. The second control gives a means of correction for higher meter readings.

Variations in meter sensitivity can be provided for by changing an identified resistor on the printed circuit boards.

BA 374

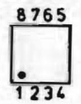


NOTES:

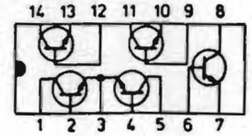
1. CONNECT INPUT TO B & H.
2. FOR 0dBm SENSITIVITY CONNECT C TO D AND F TO E (I/P B & H).
3. FOR -20dBm SENSITIVITY CONNECT C TO B AND F TO H (I/P B & H).
4. SLAVE METER MAY BE CONNECTED BETWEEN J (+ve) AND N (-ve) VIA 9K1 RESISTOR TRIM SENSITIVITY WITH SHUNT ACROSS SLAVE METER.
5. * VALUE R2 VARIES ACCORDING TO METER SCALE. REFER TABLE BELOW —

SCALE	100% MOD AT	AT 100% MOD METER READS	* VALUE R2	NOTES
A	+6dBm	mark 0	16K	
B	+8dBm	" 6	9K1	B.B.C.
E	+8dBm	" 8	9K1	EASTERN EUROPE
A	+8dBm	" 0	9K1	

IC1-4 ARE 741



* IC5 + IC6
IC5-6 ARE CA 3086

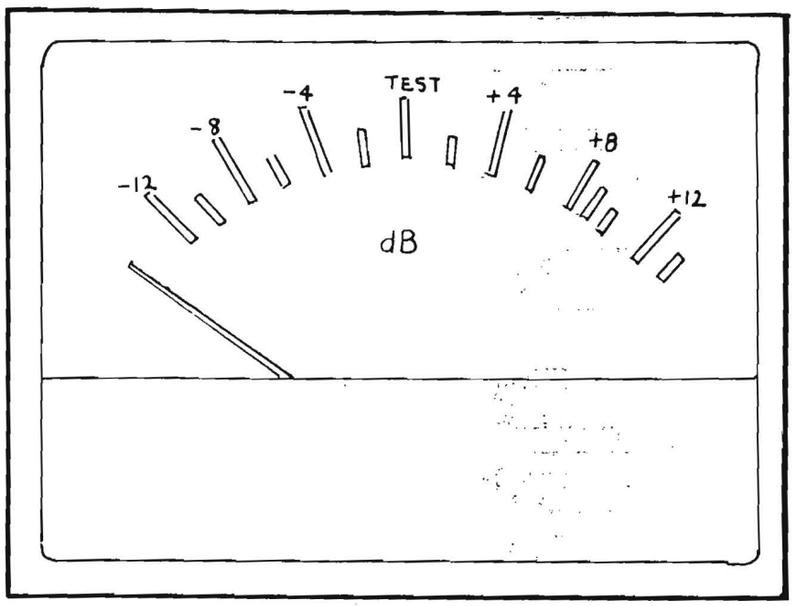


EX10374 CIRCUIT DIAGRAM - BA374
P.P.M. METER DRIVE AMPLIFIER BOARD

BA374 Iss 1 1981

EX 10374

EX 10374



Scale E -12 dB to +12 dB to European Broadcasting standards

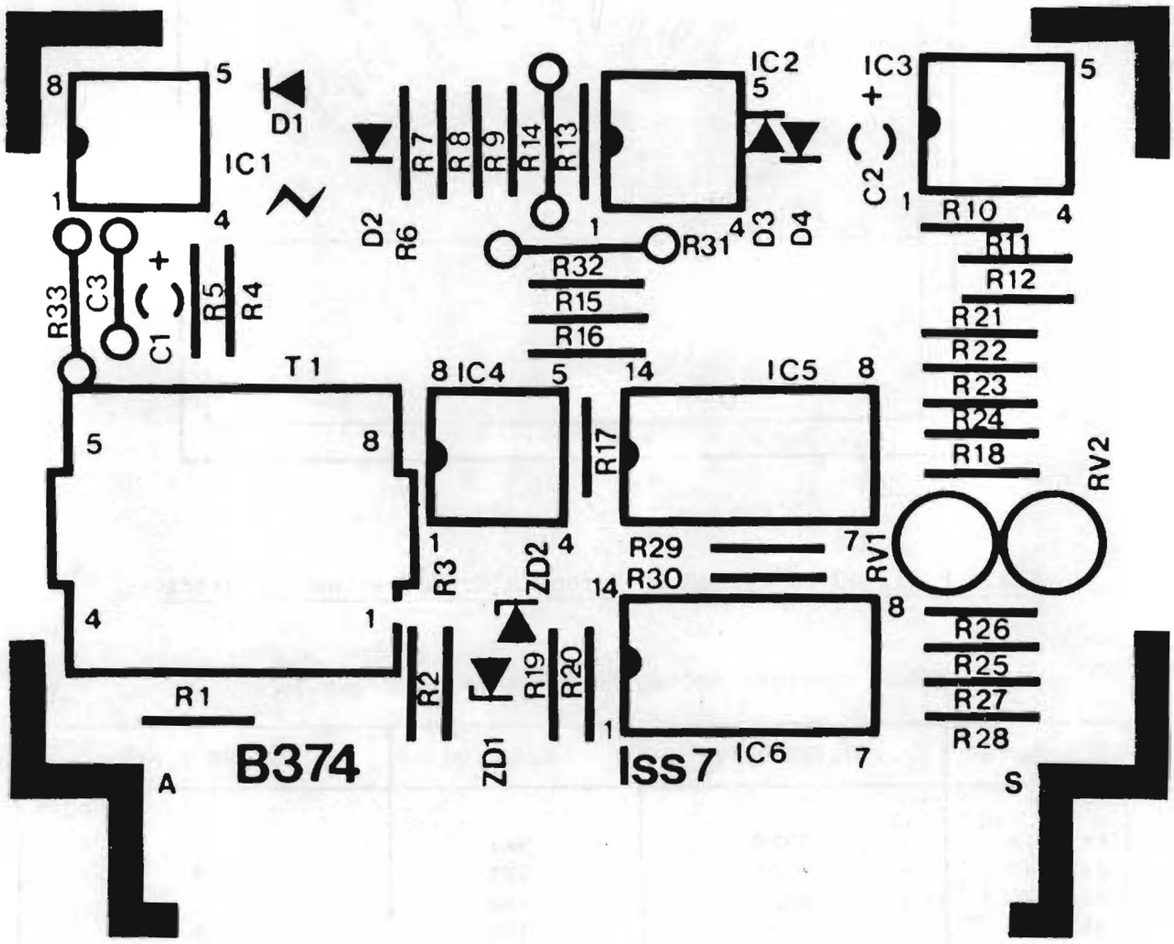
BA374 VERSIONS ACCORDING TO METER TYPE/SCALE

PCB No	METER TYPE	R2 VALUE	METER SCALE
BA374/A	R32F	9K1	B
BA374/B	R22F	9K1	B
BA374/C	R32F	16K	A
BA374/D	R22F	16K	A
BA374/E	R32F	9K1	E
BA374/F	R22F	9K1	E
BA374/G	R22F	20K	B
BA374/H	D14	9K1	B
BA374/J	R22F	56K	A
BA374/K	R22F	20K	E
BA374/L	D14	9K1	A
BA374/M	D14	20K	E
BA374/S	Special Order	9K1	To MZ20545 Iss 2
BA374/T	Special Order	9K1	To MZ20916 Iss 1
BA374/X	Special Order	9K1	Special Order

BA 374

BA 374

BA374 COMPONENT LAYOUT



Note: R33 and C3 values adjusted on test
R31 Meter sensitivity - adjusted on test
R10 Attack time (A.O.T.)
R11 Fallback time (A.O.T.)

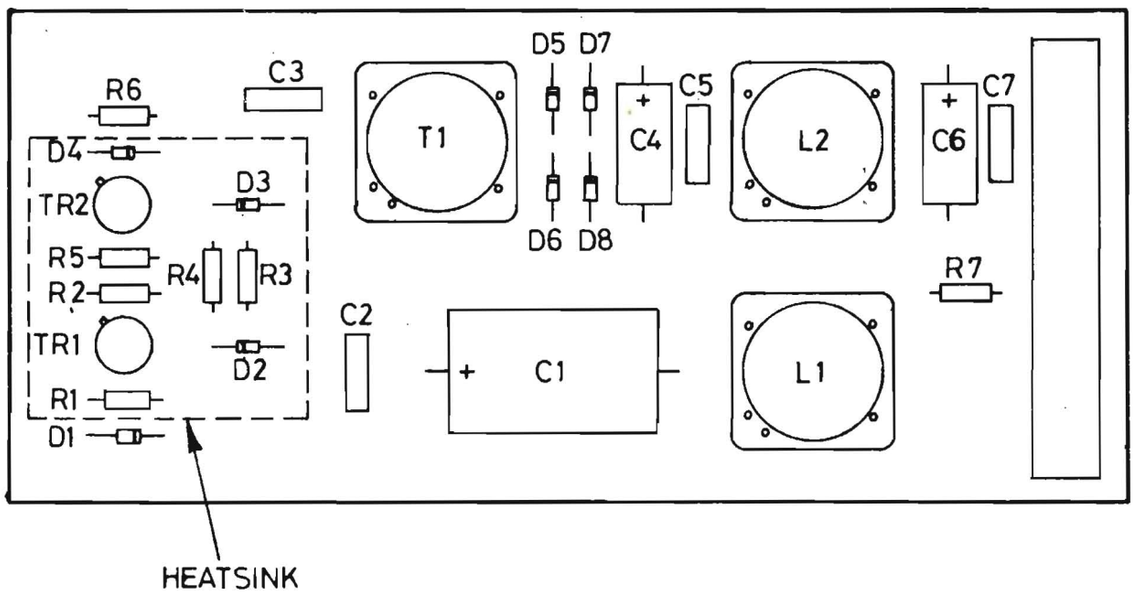
BA 374

BA 398

PARTS LIST BA398

Ref	Description	Part No.
R1,6	Resistor TR4 5% 10K ohms	RA010KO
R2,5	Resistor " " 10 ohms	RA010RO
R3,4	Resistor " " 13K ohms	RA013KO
R7	Resistor " " 15K ohms	RA015KO
C1	Capacitor Electro. 1000 µF, 25V	CA71004
C2,3,5,7	Capacitor C280AE/P47K 47 pF	CA20470
C4,6	Capacitor Electro. 22 µF, 63V	CA60221
D1-8	Diode BAX 16	DD10001
TR1,2	Transistor BC441-6	TR16201
	Transistor pad, large	SA10200
L1,L2	Inductor T0139	IN10303
T1	Transformer T0140	TF16000
	Printed Circuit Board BA398	EV10398

COMPONENT LAYOUT



BA 398

BA 406

PRINTED CIRCUIT BOARD ASSEMBLY BA406

1. GENERAL

The BA406 pcb is a plug-in unit for incorporation in a larger motherboard. The pcb contains two separate voltage follower circuits.

2. CIRCUIT DESCRIPTION (Fig. 1)

Input A is applied to the base of TR1, which obtains its base bias from the potential dividers R1, R2. TR2 and TR3 form a constant current system for the voltage following output A on pin 2.

The second channel (B) is similar to channel A, except that the base bias resistors for TR4 are mounted externally to the pcb to suit circuit requirements. Channels A and B are both included in BA406; channel B is omitted in BA406/H.

3. PARTS LIST

Reference	*Description*	*Part No.*
*C1,C2**	*Capacitor 7.5 p*	*CA10070*
C3	*Capacitor 0.01µ*	*CA20100*
R1	*Resistor 47K*	*RA047KO*
R2	*Resistor 1M*	*RA001MO*
*R3,7**	*Resistor 33K*	*RA033KO*
*R4,8**	*Resistor 100*	*RA100RO*
R5	*Resistor 1.2K*	*RA001K2*
R6	*Resistor 22K*	*RA022KO*
TR1,2,4,5**	*Transistor BC214KC*	*TR12402*
*TR3,6**	*Transistor BC184*	*TR16401*
-	*Mounting pads*	*SA10400*
	**Omitted on BA406/H*	

BA 406

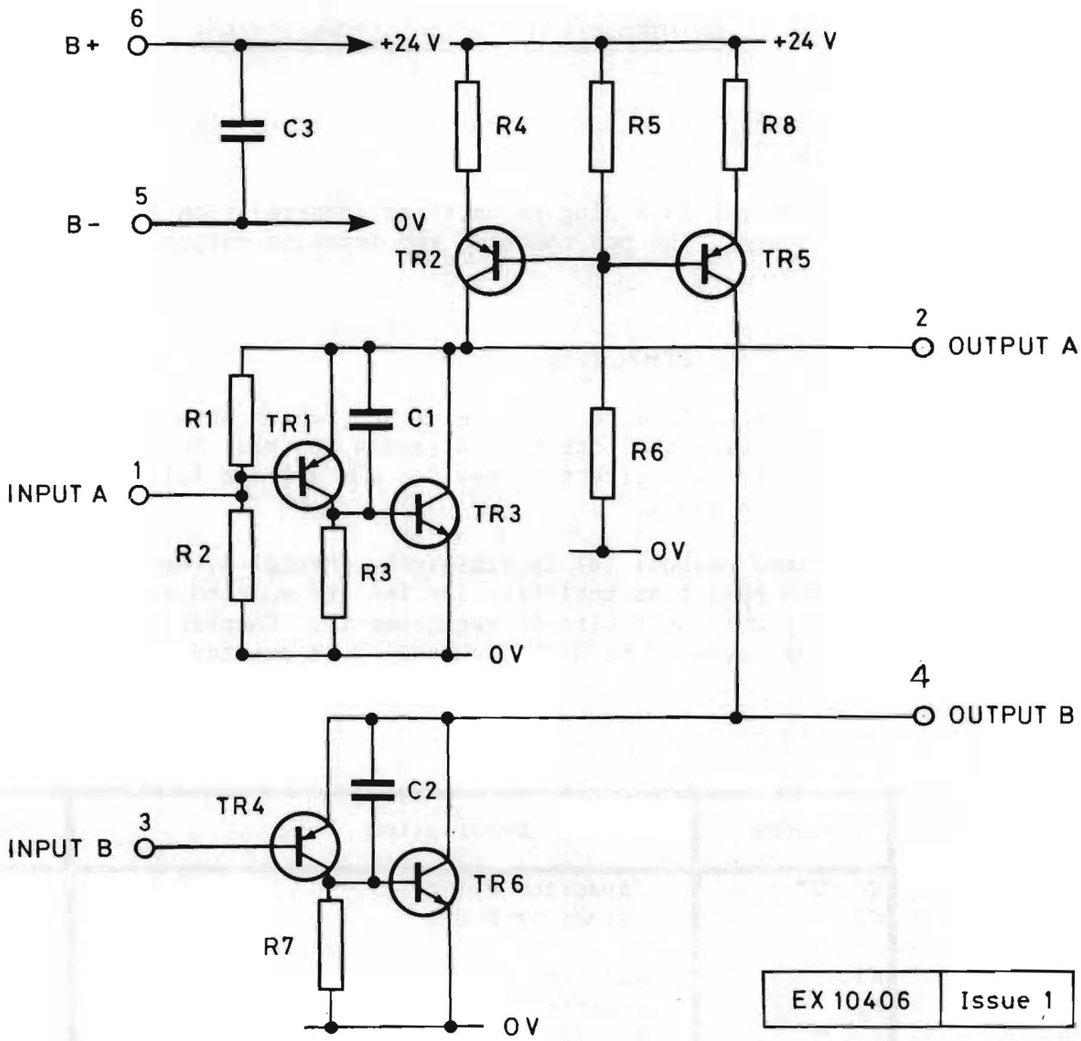


Fig. 1 Circuit Diagram BA 406

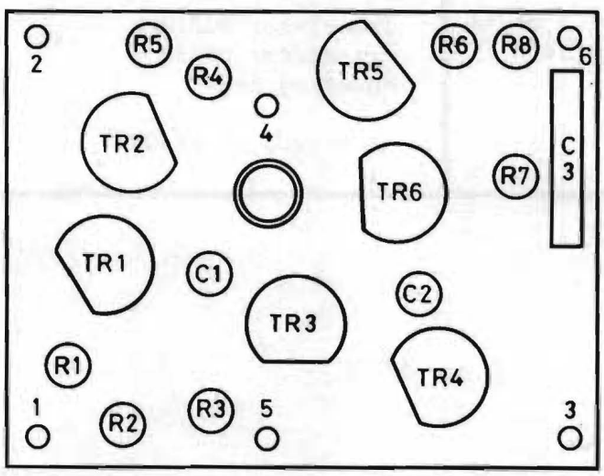
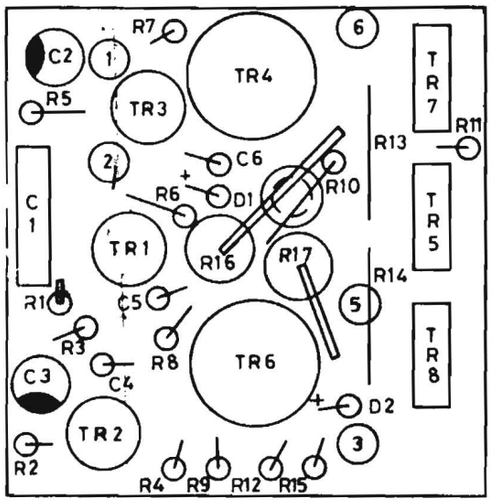


Fig. 2 Component Layout BA 406

BA 441

COMPONENT LAYOUT BA441



PARTS LIST BA441 SEE DRWG # EX10441

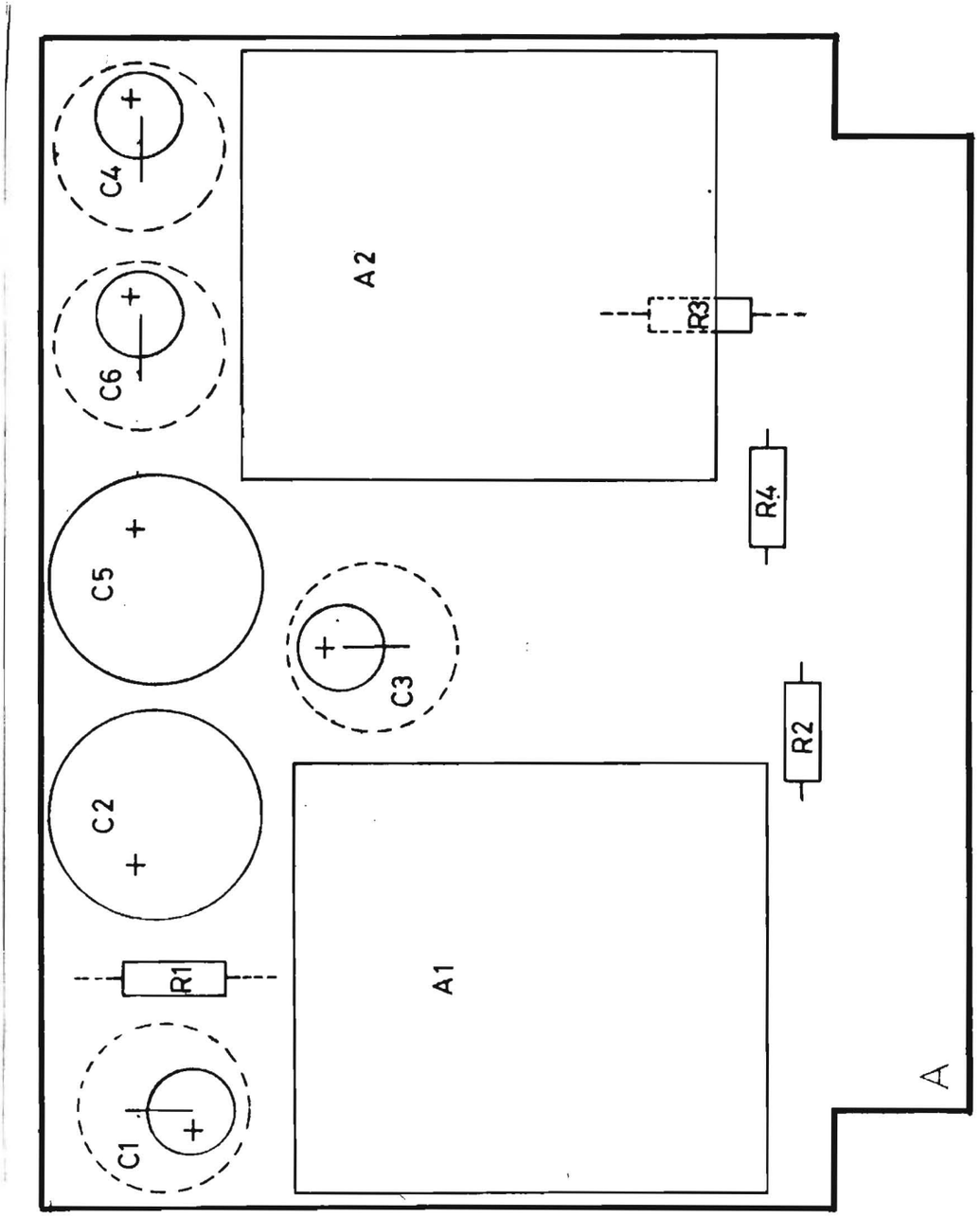
Ref.	Description	Part No.
R1	Resistor 36K TR4 2%	R4 36K
R2	" 18K " "	R4 18K
R3	" 47K " "	R4 47K
R4	" 2K7 " "	R4 2K7
R5	" 47K " "	R4 47K
R6	" 15K " "	R4 15K
R7	" 560 " "	R4 560
R8	" 2K2 " "	R4 2K2
R9	" 560 " "	R4 560
R10	" 200 " "	R4 200
R11	" 10K " "	R4 10K
R12	" 27 " "	R4 27
R13	" 2K4 " "	R4 2K4
R14	" 2K4 " "	R4 2K4
R15	" 200 " "	R4 220
R16	" 0.33 W.W 2.5W	WW 0.33
R17	" " " "	WW 0.33
C1	Capacitor	CO198
C2	" 10 µ 25V	CO207
C3	" 22 µ 16V	CO199
C4	" 100 p 63V	CO039
C5	" 100 p 63V	CO039
C6	" 33 p 63V Suflex HS	CO037
D1	Diode AA 144	TO046
D2	" BAX 13	TO044
D3	" AA 144	TO076
TR1	Transistor BC214 KC	TO095
TR2	" BC184C	TO043
TR3	" BC184C	TO043
TR4	" BC461-6	TO062
TR5	" MJE 521	TO135
TR6	" BC441-6	TO052
TR7	" MJE 521	TO135
TR8	" MJE 371	TO134
	Connector	CO379

BA 441

BA 489

BA489 COMPONENT LAYOUT

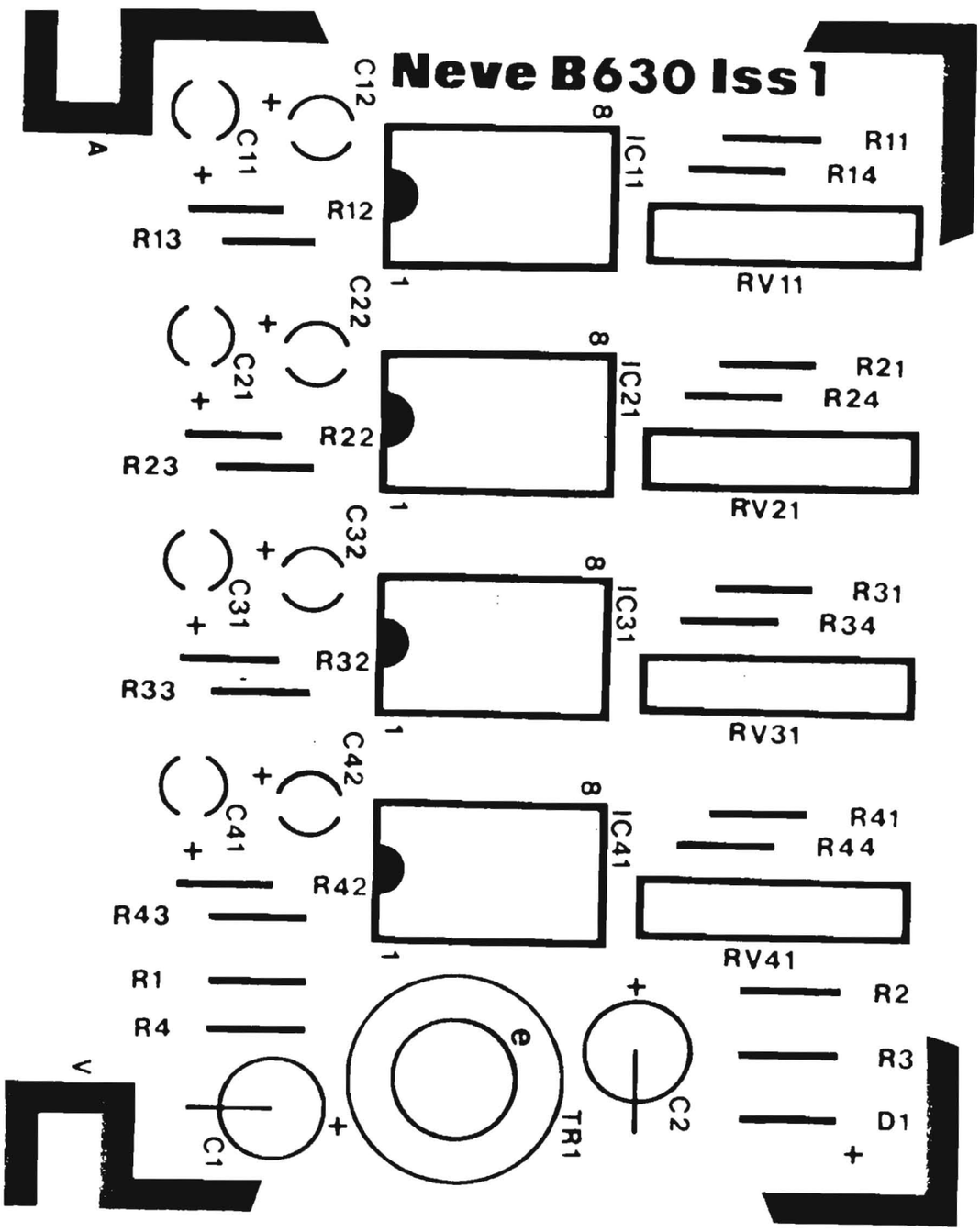
SEE DRWG. # EX 10489



BA 489

B 630

COMPONENT LAYOUT
SEE DRWG #
EX 10630



B 630

B 10001

	MULTIPIN CONNECTOR		MICROPHONE		PUSHBUTTON ILLUMINATED, CHANGEOVER		POTENTIOMETER, ROTARY
	SOLDER TAG TERMINATION		LOUDSPEAKER		PUSHBUTTON NON-ILLUMINATED, MECH. ACTIVATED COLOUR CHANGE		POTENTIOMETER, ROTARY STEPPED
	TUCHEL CONNECTOR WITH OPEN CONTACTS		HEADPHONES		ROTARY SWITCH (SHOWN IN ANTI-CLOCKWISE POSITION CONTACT FUNCTION TO BE DESIGNATED)		POTENTIOMETER, PAN POT
	TUCHEL CONNECTOR WITH JUMP CONTRACTS		P.C BOARD (TYPE TO BE STATED)		RELAY CONTACTS		POTENTIOMETER, QUAD PAN POT
	XLR CONNECTOR INPUT NORMALLY XLR 3-31		CHOKE		RELAY COIL		FADER, CALIBRATED, LINEAR, (LEVEL IN HAND TO BE STATED)
	XLR CONNECTOR OUTPUT NORMALLY XLR 3-32		SIGNAL LAMP (VOLTAGE & COLOUR TO BE STATED)		SWITCHER CROSSPOINT		FADER, CALIBRATED, WITH END STOP SWITCH (MAX OF 3)
	JACK SOCKET, SINGLE		KEYSWITCH, SINGLE (FRONT PANEL FUNCTION DESIGNATED BY ARROW, MECHANICAL ACTION TO BE STATED)		LIMITER		MODULE GENERAL SYMBOL (FUNCTION & TYPE NUMBER TO BE STATED)
	JACK SOCKET, HALF NORMALLED PAIR (SEND ON UPPER ROW, RETURN ON LOWER ROW)		KEYSWITCH, TWO WAY (NOTES AS ABOVE)		METER (TYPE TO BE STATED)		MODULE WITH FRONT PANEL MOUNTING COMPONENT
	JACK SOCKET, SINGLE NORMALLED PAIR		TOGGLE SWITCH		METER, LIGHT BEAM, MONO		MODULE WITH EXTERNAL MOUNTING COMPONENT
	JACK SOCKET, DOUBLE NORMALLED PAIR		PUSHBUTTON, NON-ILLUMINATED		METER, LIGHT BEAM, STEREO		POT/PUSHBUTTON COMBINED INTO ONE COMPONENT (i.e CENTRALAB)
	TRANSFORMER		PUSHBUTTON, NON ILLUMINATED WITH LAMP INDICATION, (COLOUR TO BE STATED)		TERMINATION RESISTOR (VALUE TO BE STATED) ATTENUATION RESISTOR (ATTEN. IN dB TO BE STATED)		
	HYBRID TRANSFORMER		PUSHBUTTON, ILLUMINATED		POTENTIOMETER, ROTARY PRE-SET		

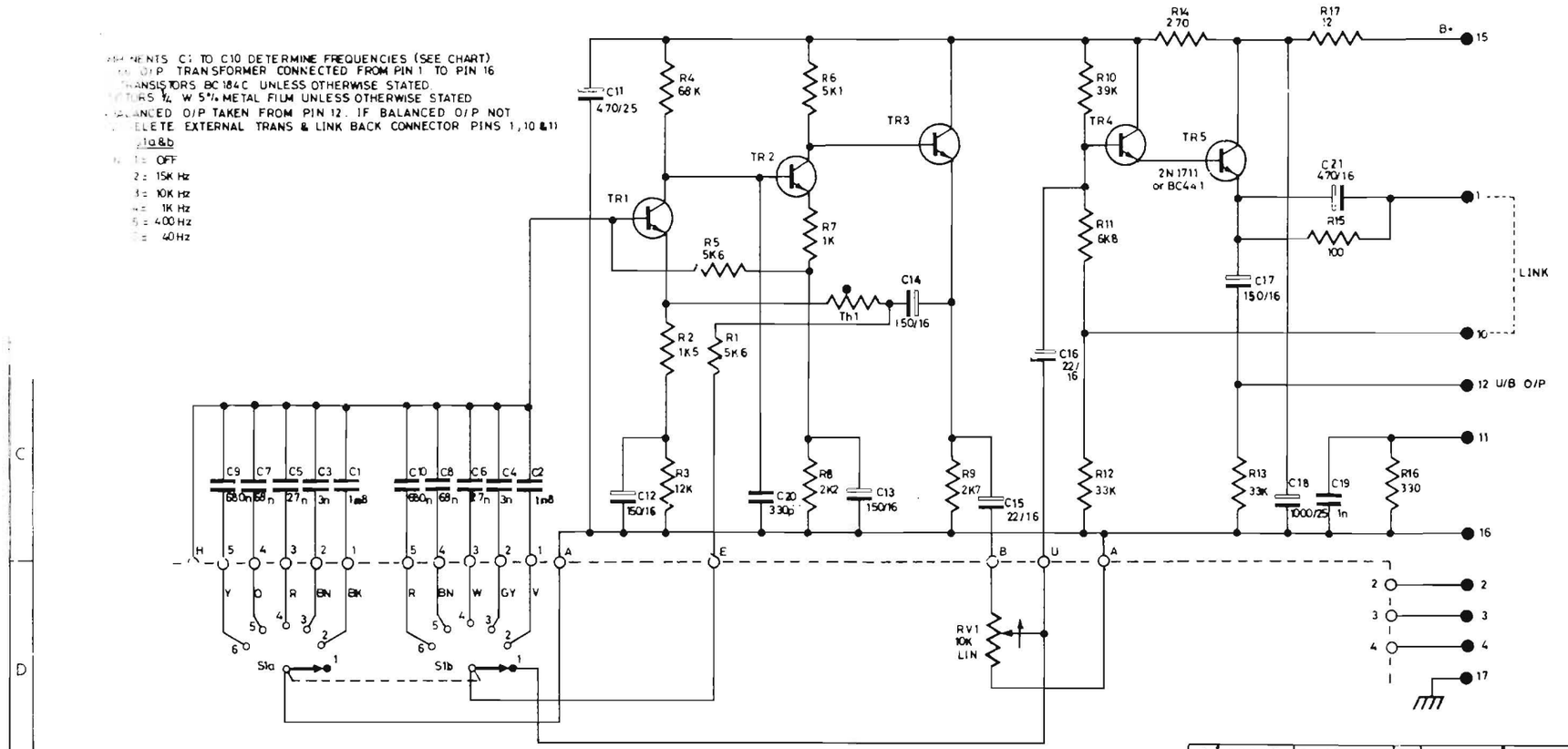
4 REDRAWN	ISSUE	FIRST USED ON	MATL	TOL UNLESS OTHERWISE STATED	
9 OCT '78	DATE	DRN.	FINISH	LINEAR ±	ANGULAR °
	CHANGE NOTE No	TRACED ADL		3rd ANGLE PROJ	DIMS IN
		CHECKED	TITLE BLOCK DIAGRAM SYMBOLS	DRG No. B 10001	SCALE
	CHECKED	Neve Electronics International Ltd.		1978 ©	A2

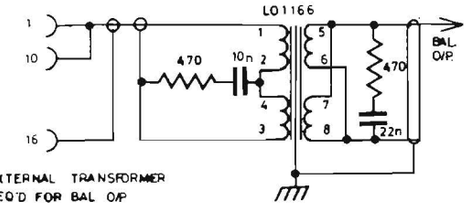
EO 10027

DRAWING No.
EO 10027

ADJUSTMENTS C1 TO C10 DETERMINE FREQUENCIES (SEE CHART)
O/P TRANSFORMER CONNECTED FROM PIN 1 TO PIN 16
TRANSISTORS BC184C UNLESS OTHERWISE STATED.
RESISTORS ¼ W 5% METAL FILM UNLESS OTHERWISE STATED
BALANCED O/P TAKEN FROM PIN 12. IF BALANCED O/P NOT REQUIRED DELETE EXTERNAL TRANS & LINK BACK CONNECTOR PINS 1, 10 & 11

S1a&b
1 = OFF
2 = 15K Hz
3 = 10K Hz
4 = 1K Hz
5 = 400 Hz
6 = 40 Hz





EXTERNAL TRANSFORMER REQ'D FOR BAL O/P

5	20000	6-12-76					
3	11330	19-9-75	4	11263	24-9-75		

2	1	ISSUE	FIRST USED ON	MATL.	TOL UNLESS OTHERWISE STATED		
21-4-75	14-3-75	DATE	DRN. TJS	FINISH	LINEAR + −	ANGULAR	HOLES +0.13 −0
11172		CHANGE NOTE No	TRACED JDC		3rd ANGLE PRJ.	DIMS. IN	SCALE
FGB.		CHECKED	CHECKED	TITLE 3515 OSCILLATOR (INC BA446 MOTHERBOARD)	DRG. No. EO 10027		

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MT 54665R

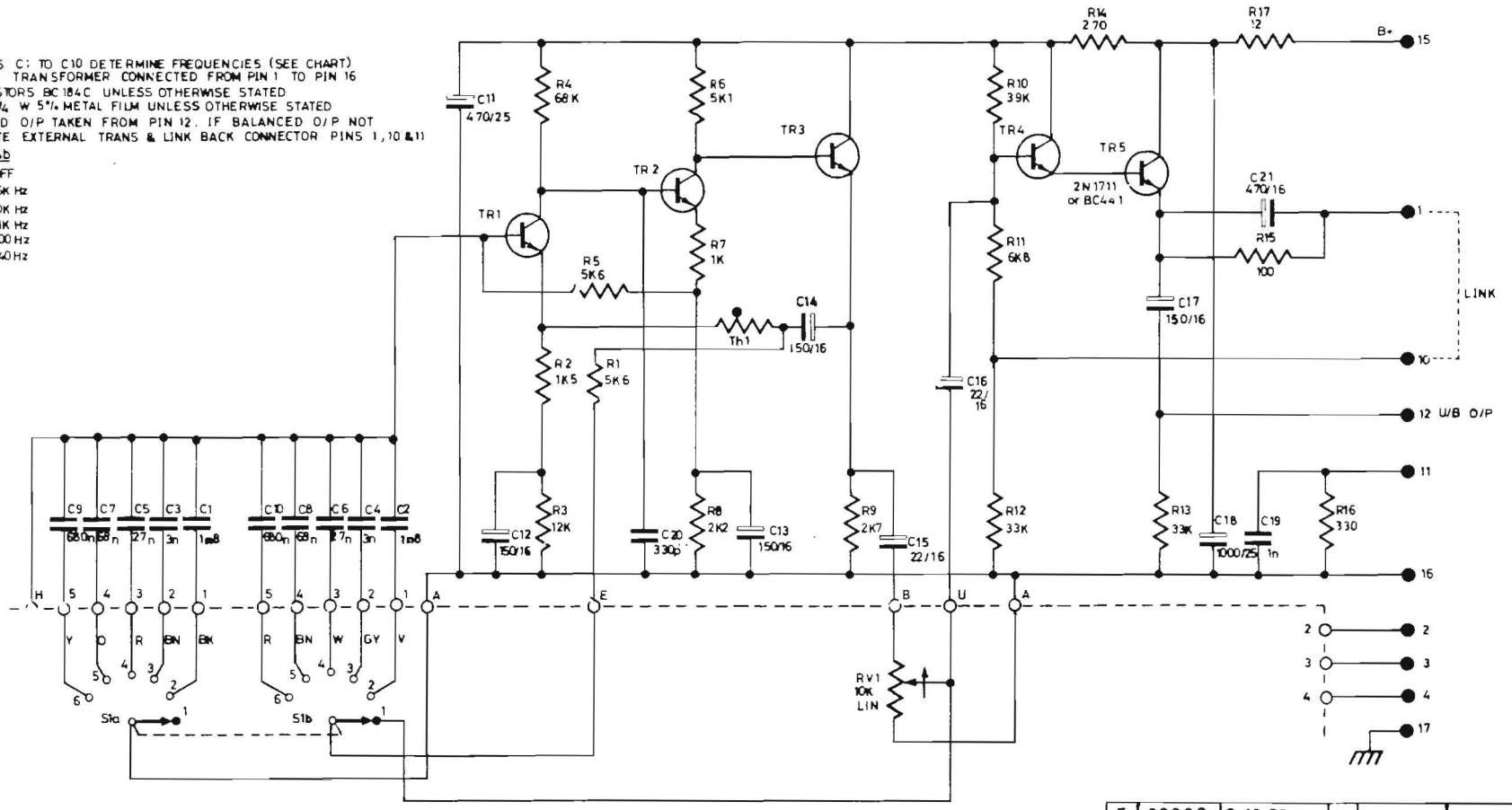
EO-10027

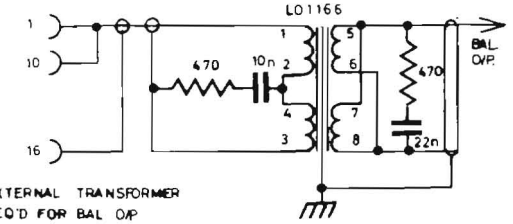
Rotated 5-9-75

1	2	3	4	5	6

DRG. No.
10027

NOTES
1. COMPONENTS C1 TO C10 DETERMINE FREQUENCIES (SEE CHART)
2. O/P TRANSFORMER CONNECTED FROM PIN 1 TO PIN 16
3. TRANSISTORS BC184C UNLESS OTHERWISE STATED
4. RESISTORS ¼ W 5% METAL FILM UNLESS OTHERWISE STATED
5. BALANCED O/P TAKEN FROM PIN 12. IF BALANCED O/P NOT REQUIRED DELETE EXTERNAL TRANS & LINK BACK CONNECTOR PINS 1, 10 & 11
6. S1a&b
   1 = OFF
   2 = 15K Hz
   3 = 10K Hz
   4 = 1K Hz
   5 = 400 Hz
   6 = 40 Hz





EXTERNAL TRANSFORMER REQ'D FOR BAL O/P

5	20000	6-12-76					
3	11330	19-9-75	4	11263	12	24-9-75	

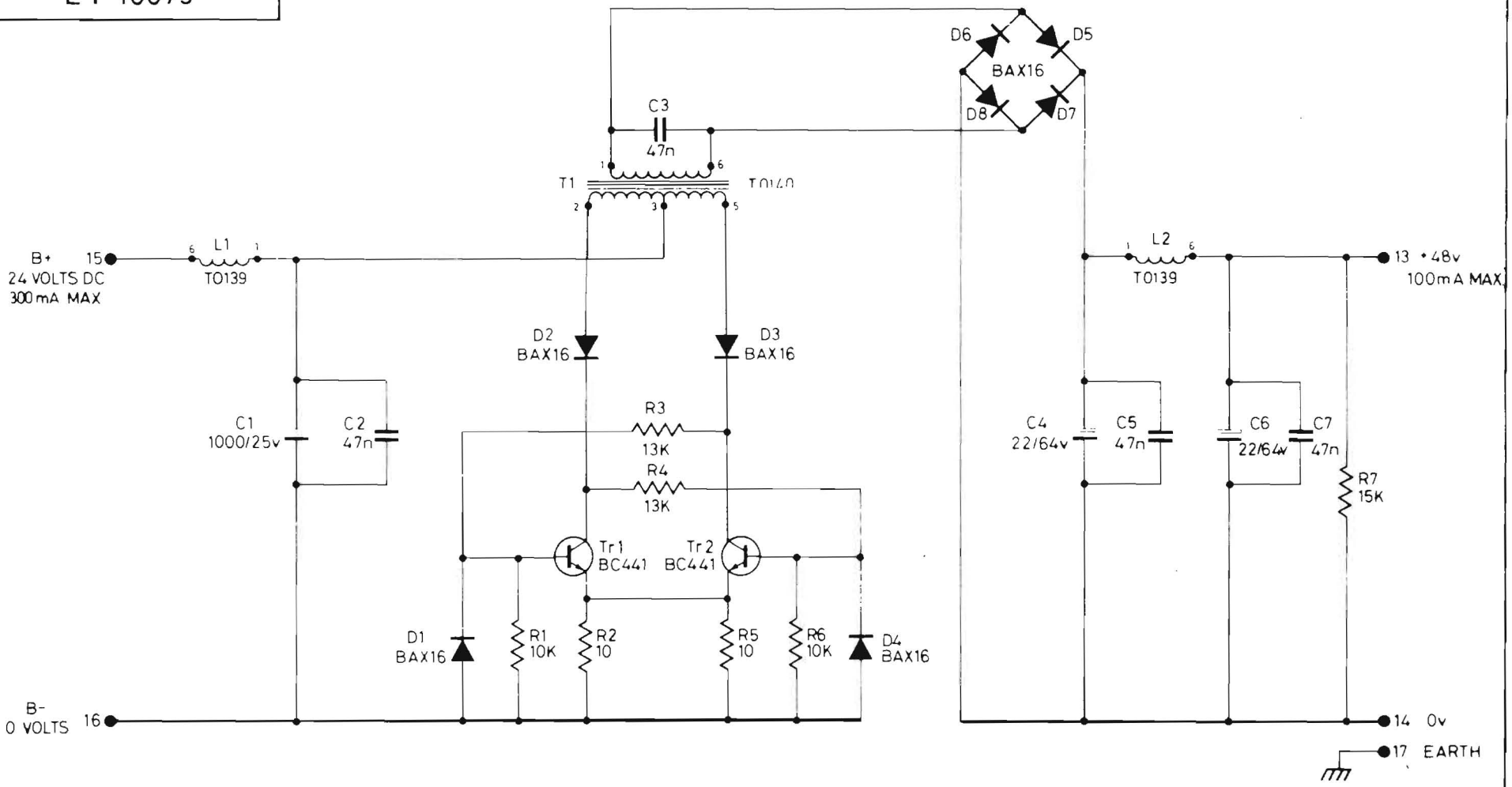
2	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +0.13 −0
21-4-75	14-3-75	DATE	DRN. TJS	FINISH	3rd ANGLE PRJ.	DIMS. IN	SCALE
11172		CHANGE NOTE No	TRACED JDC	TITLE 3515 OSCILLATOR (INC BA446 MOTHERBOARD)	DRG. No. EO 10027		
JGB		CHECKED	CHECKED	Rupert Neve & Company Ltd.	1975 ©		A3

MY 540658

EO 10027

ET 10075

DRAWING Nº
ET 10075



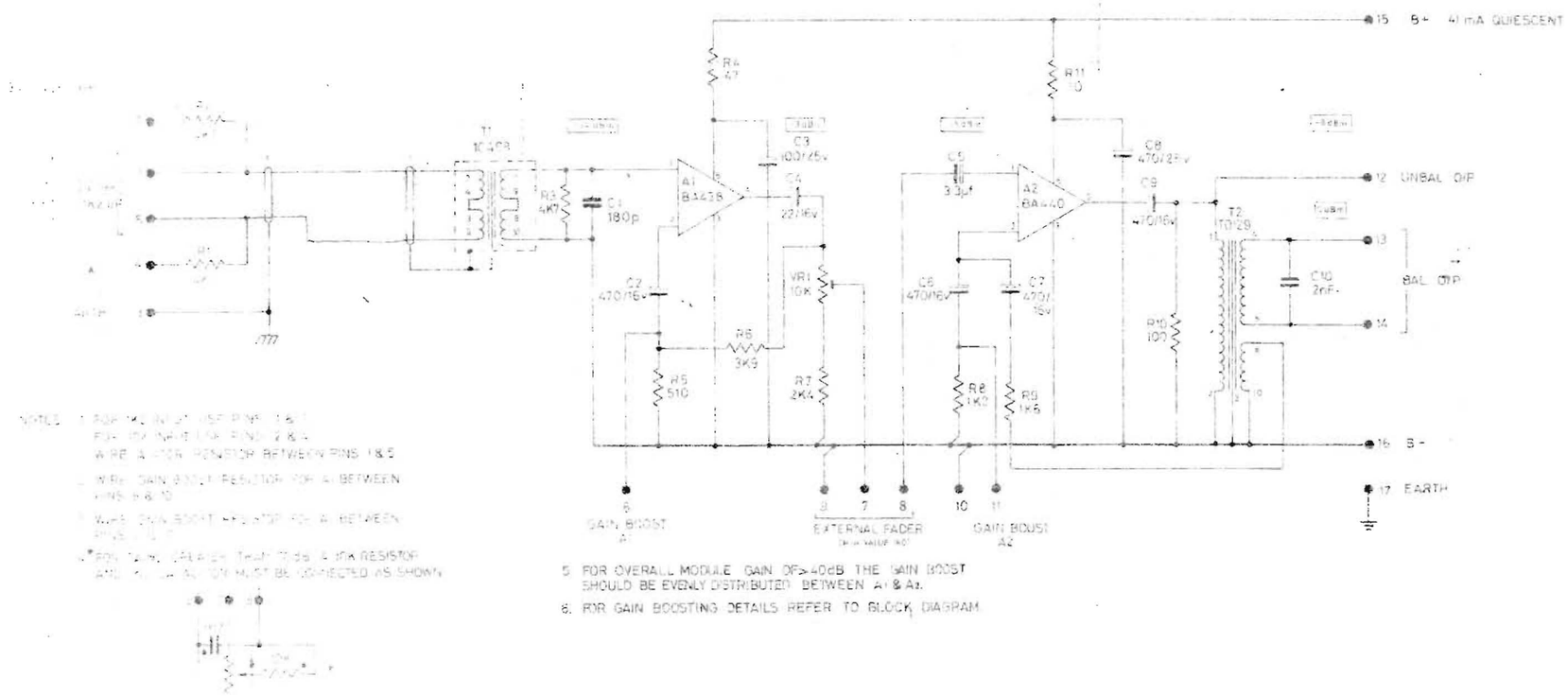
NOTE
1 B+ AND B- LEADS SHOULD BE RETURNED INDIVIDUALLY TO THE POWER SUPPLY'S DISTRIBUTION POINT AND NOT BE LOOMED WITH ANY LOW SIGNAL LEVEL AUDIO WIRING

	1	ISSUE	FIRST USED ON	MAT'L	TOL UNLESS OTHERWISE STATED
	17 9 74.	DATE	DRN. D J S	FINISH	LINEAR ± / ANGULAR / HOLES +0.3 −0 / 3RD ANGLE PRJ / DIMS IN / SCALE
		CHANGE NOTE Nº	TRACED C K	TITLE 3601 24v/48v d.c. CONVERTER INCORPORATING BA398	DRG Nº ET 10075
		CHECKED	CHECKED	Rupert Neve & Company Ltd.	1974. © A3

5V00 - 1M

DRAWING No.

EN10051



NOTES: 1. FOR 1K INPUT USE PINS 1 & 3
FOR 10K INPUT USE PINS 2 & 3
A RESISTOR BETWEEN PINS 1 & 5

2. VR1 GAIN BOOST RESISTOR FOR A1 BETWEEN PINS 6 & 10

3. VR2 GAIN BOOST RESISTOR FOR A2 BETWEEN PINS 10 & 11

4. FOR 1K INPUT THAT IS A 10K RESISTOR AND A 1K RESISTOR MUST BE CONNECTED AS SHOWN

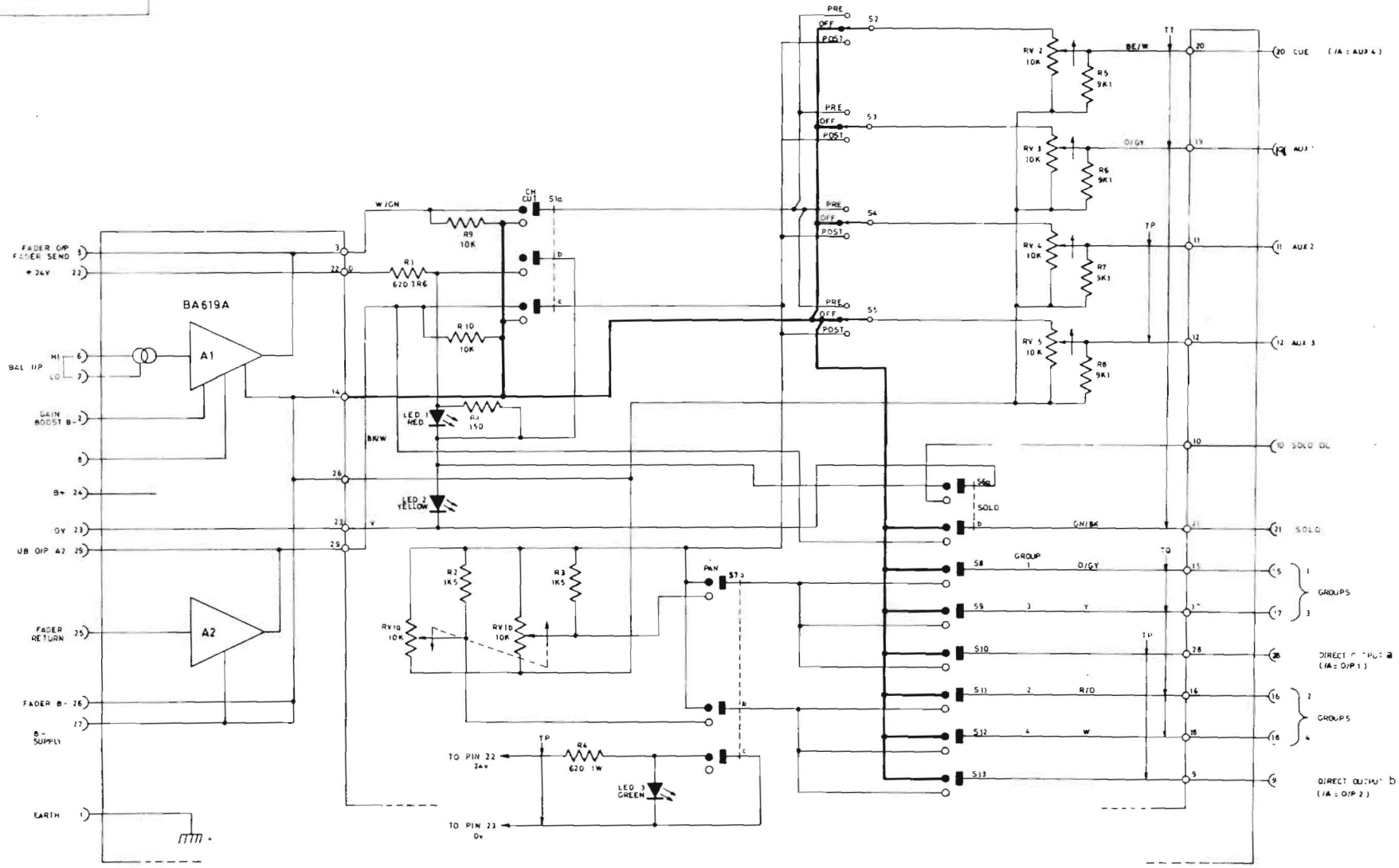
5. FOR OVERALL MODULE GAIN OF > 40dB THE GAIN BOOST SHOULD BE EVENLY DISTRIBUTED BETWEEN A1 & A2.

6. FOR GAIN BOOSTING DETAILS REFER TO BLOCK DIAGRAM

FROZEN GOLD LABEL		FROZEN GOLD LABEL								
7	6					ISSUE	FIRST USED ON ASSYS	MAT	LINEAR	ANGULAR
24-10-77	24-10-77				26-4-74	DATE	DRN	FINISH	DIMS IN	SCALE
50056	50056					CHANGE NOTE No.	TRACED	TITLE SIDE LINE AMPLIFIER INCORPORATING BUS MOTHER BD.	DRG. No. EN10051	
							CHECKED			
							APPD	Rupert Neve & Company Ltd	1974. ©	A2

EN10051

DRAWING No. ES 10189 &/A



6	5	4	3	2	1	ISSUE
13-6-78	20-9-77	16-5-77	20-4-77	5 4 77	7-2-77	DATE
DIRECT O/P 2 WAS 1, 1 WAS 2 /A ADDED	CN50030	PIN 22 WAS 21 BA619A WAS 508 R11=150 ADDED	B- SUPPLY PIN 28 NOW D.G.I	R 11 ADDED		CHANGE NOTE No
ECB	DJL.	[illegible]	ECB	ECB		CHECKED

FIRST USED ON A 4236 | MATL | FINISH | DRN A.J.G. | TRACED A.L.Q. | CHECKED

TITLE 33726 & 33726/A CHANNEL SWITCHING UNIT

DRG No ES 10189 &/A

Rupert Neve & Company Ltd. 1977 © A2

DIMS UNLESS OTHERWISE STATED: LINEAR | ANGULAR | HOLES | DIMS IN | SCALE

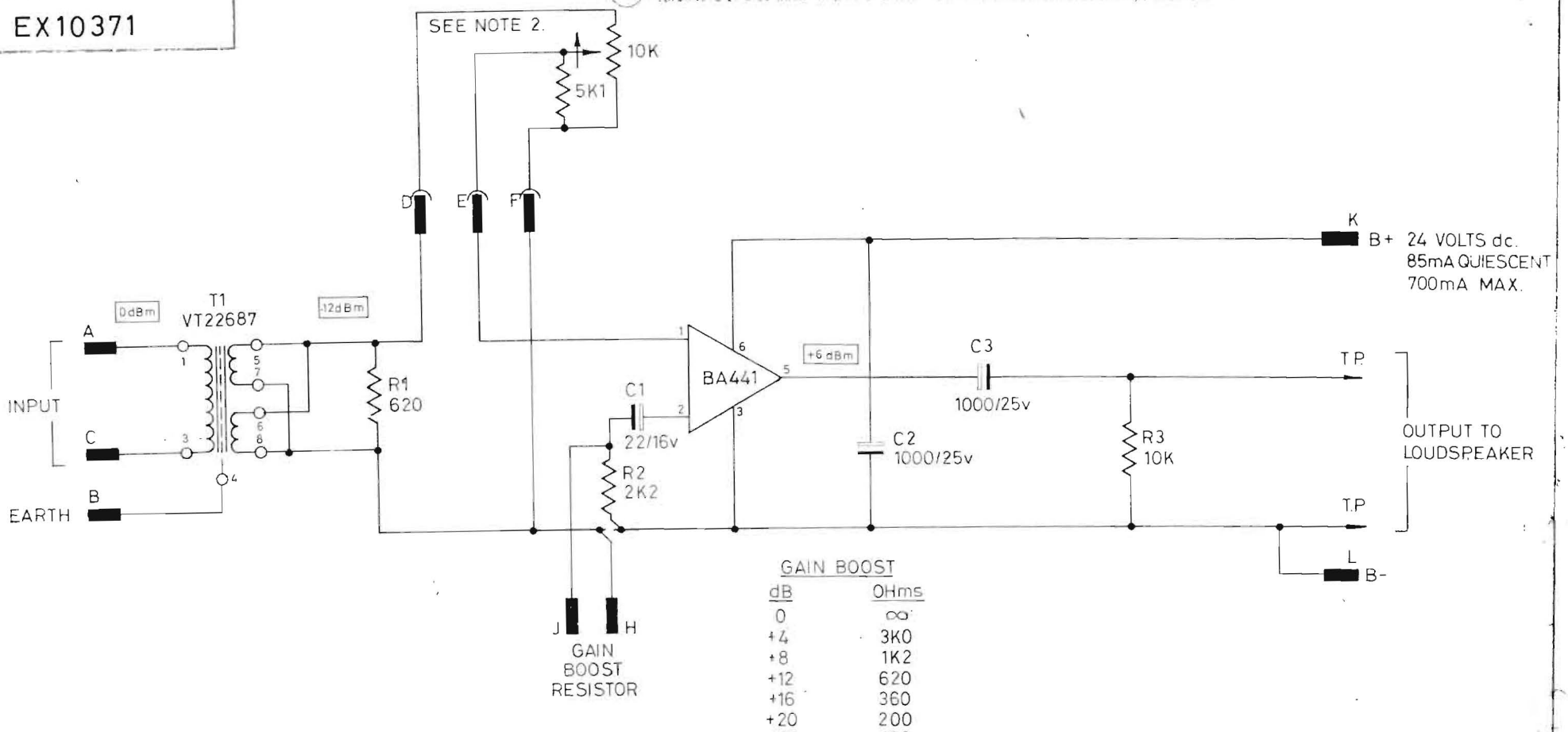
ES 10189 4/A

4/A — 8 — 0 — 5 m

371

AWING Nº

EX10371



GAIN BOOST

dB	OHms
0	∞
+4	3K0
+8	1K2
+12	620
+16	360
+20	200
+24	130
+28	75

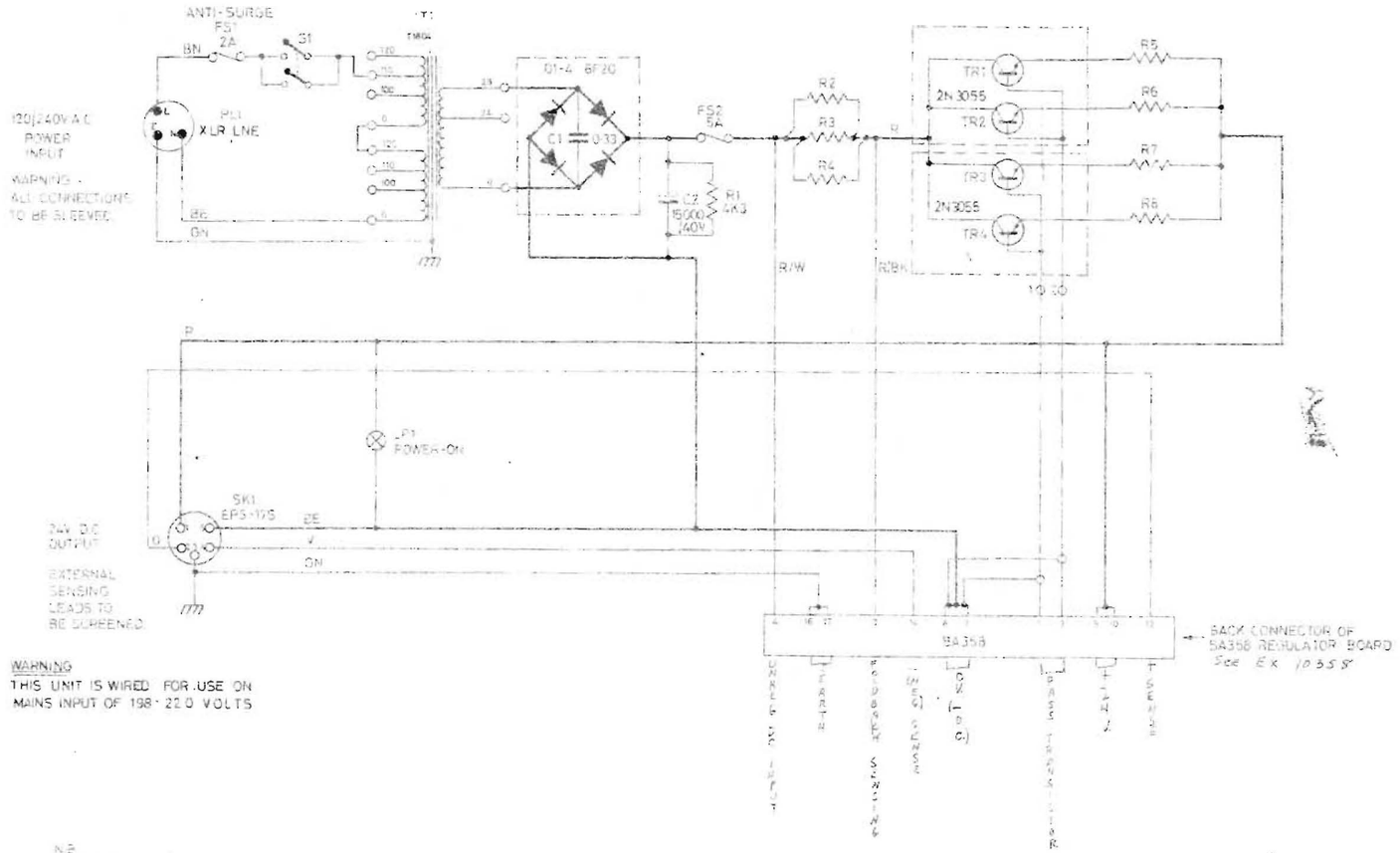
NOTES.

1. B+ & B- TO BE RETURNED INDEPENDENTLY TO P.S.U DISTRIBUTION POINT
2. STRAP D TO E IF NO EXT FADER OR POT IS REQUIRED

	1	ISSUE	FIRST USED ON A 3175	MAT	TOL UNLESS OTHERWISE STATED: LINEAR / ANGULAR / HOLES
	1.7.74	DATE	DRN. DJS	FINISH	3rd ANGLE PROJ. / DIMS IN / SCALE
		CHANGE NOTE Nº	TRACED CK	TITLE BA371 CUE SPEAKER AMPLIFIER CIRCUIT DIAGRAM.	DRG. Nº EX10371
		CHECKED	CHECKED	Rupert Neve & Company Ltd.	1974. © A3

EX 10 371

ET 10087



WARNING
THIS UNIT IS WIRED FOR USE ON MAINS INPUT OF 198 - 220 VOLTS

N.B.
R2, R3, R4, R5, R6, R7, & R8 } 0·33Ω 2·5W (MOUNTED ON TURRET TAGS)
D1 - 4 MOUNTED ON INTERNAL HEAT SINK
TR1 AND TR2 MOUNTED ON FRONT HEAT SINK
TR3 AND TR4 MOUNTED ON BACK HEAT SINK
—— DENOTED CABLES IN 33/0.25 OR EQUIV
FOR 9A358 CCT SEE EX10355

2	1	ISSUE	FIRST USED ON	MAT'L	UNLESS OTHERWISE STATED LINEAR	ANGULAR HOLES
15-8-77	5-3-75	DATE	A3317-42			
40013		CHANGE NOTE NO.	DRN J.B	FINISH	TENDER NO.	DIMS IN SCALE
			TRACED J.D.C			
DJL		CHECKED	CHECKED	TITLE 3605 MODULE 24 VOLT, 5 AMP REGULATED PSU (INC 9A358)	DRG No ET 10087.	

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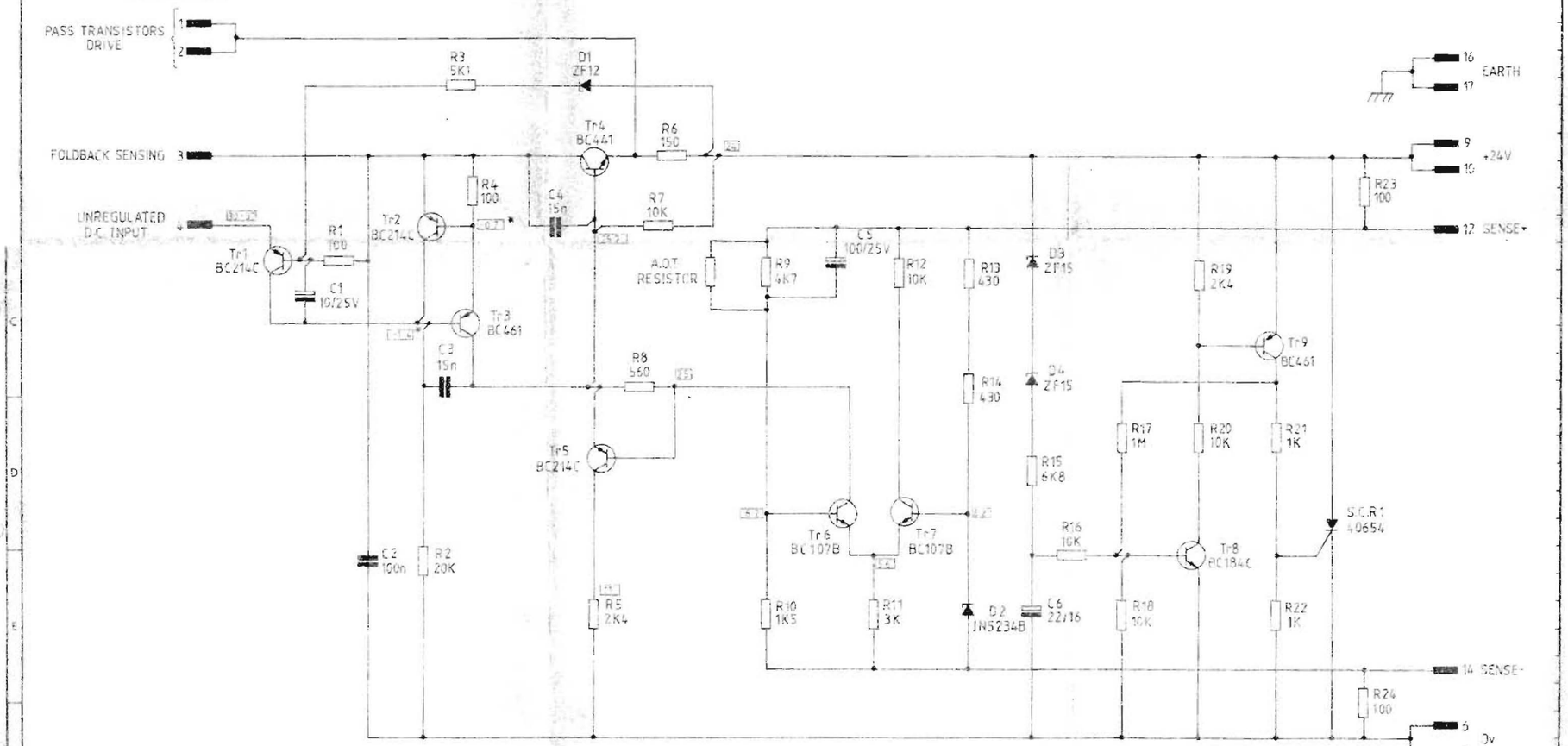
DRAWING No. EX10358 SEE ALSO: ET 10087 24 VOLT MODULE



ALL VOLTAGES MEASURED W.R.T. B-VE EXCEPT * WHICH ARE W.R.T. PIN 3

FOR A.O.T. RESISTOR SEE TEST SPEC. EZ10358

ALL RESISTORS M.O. 2%

HEATSINK FITTED TO SCR1 & TR4

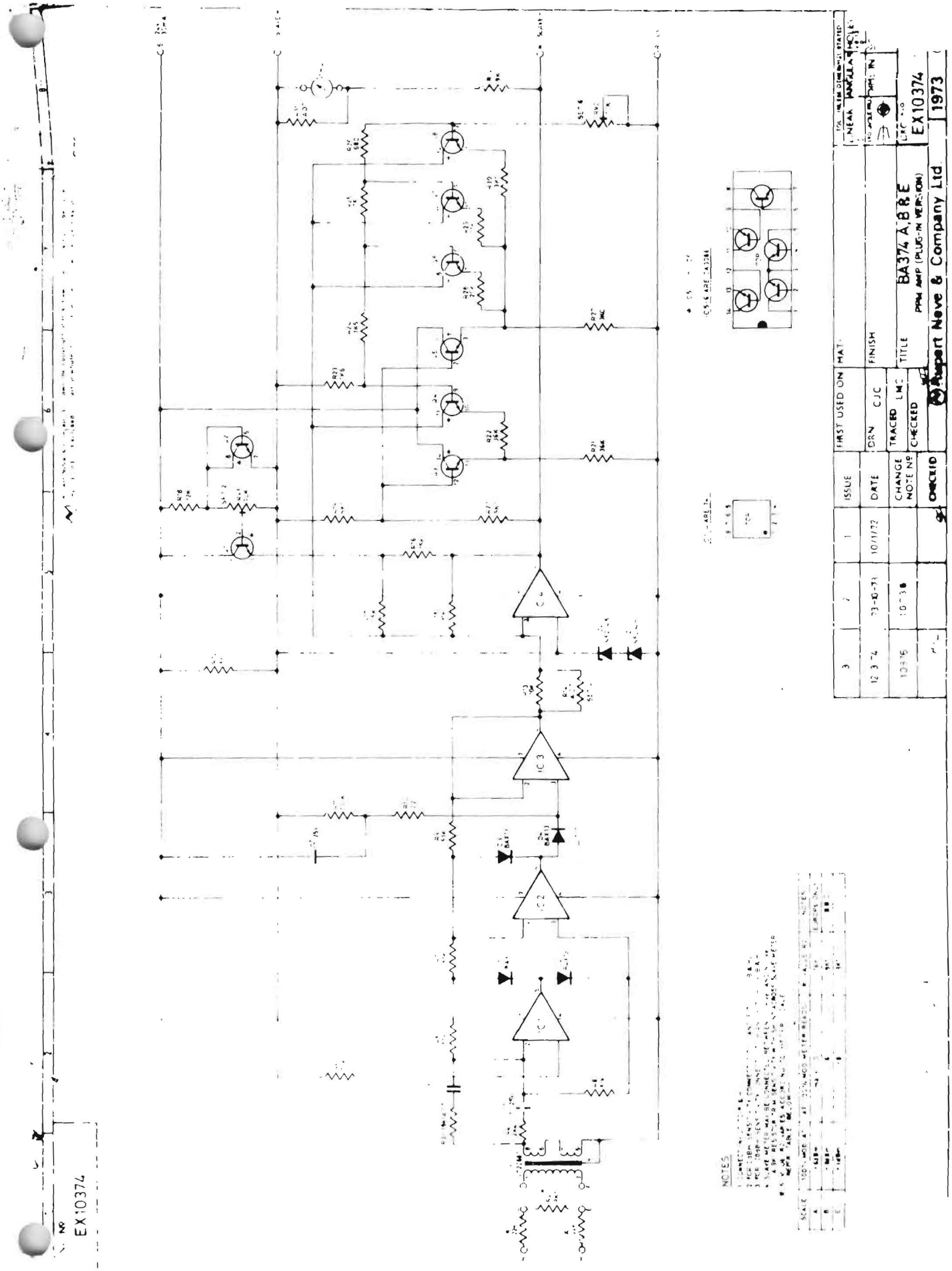
	2	1	ISSUE	FIRST USED ON A3012	MATL	TOL UNLESS OTHERWISE STATED: LINEAR ±	ANGULAR	HOLES ±0.13 ±0
	14-1-75	19-3-74	DATE	DRN D.J.S.	FINISH	THIRD ANGLE PROJ	DIMS. IN	SCALE
	1097 REF. DRAWN 1-4-81		CHANGE NOTE No	TRACED S.P.W.	TITLE BA358 24 VOLT 5 AMP REGULATOR (INCORPORATED IN 3600 MODULE)	DRG. No. SEE ALSO: ET 10087 EX10358		
			CHECKED	CHECKED	Neve Electronics International Ltd.	1981	©	A2

INT. 458455.11

EX10358

EX 10 374

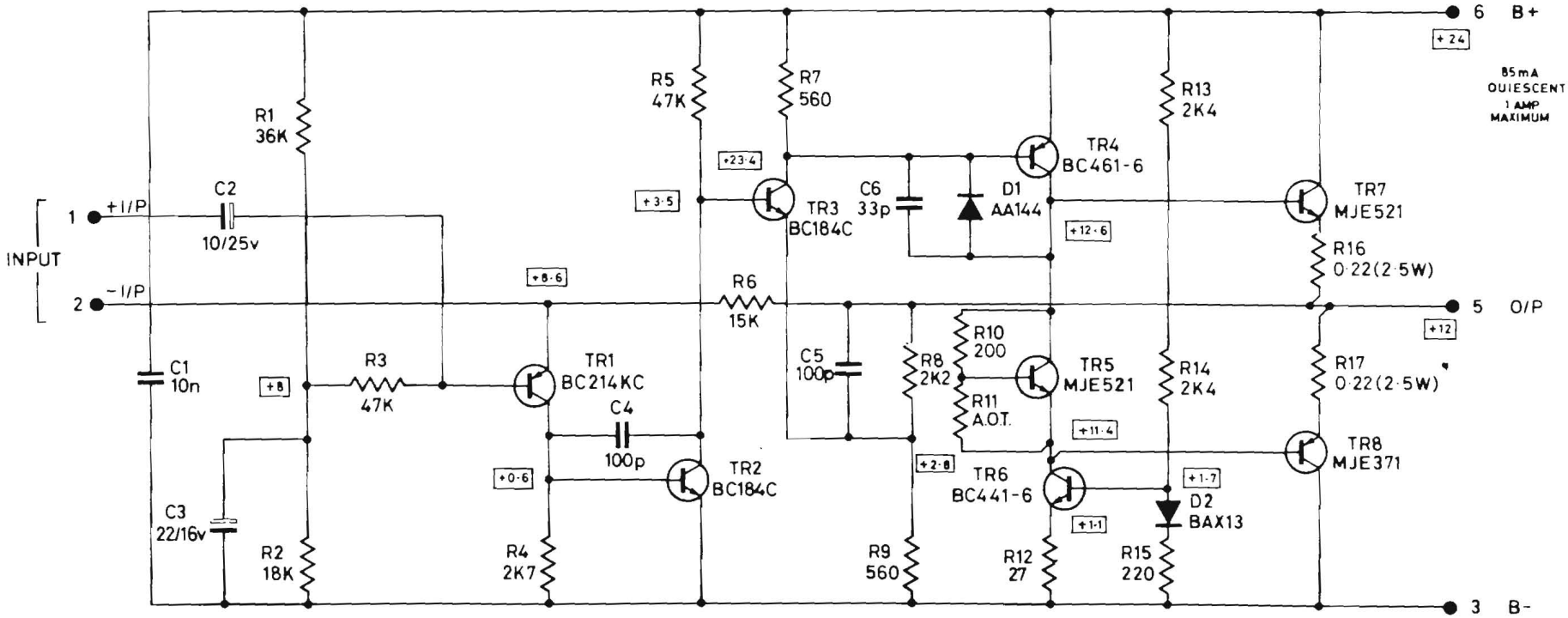
SEE ALSO BA 374



EX-10-3

DRAWING Nº

EX 10441

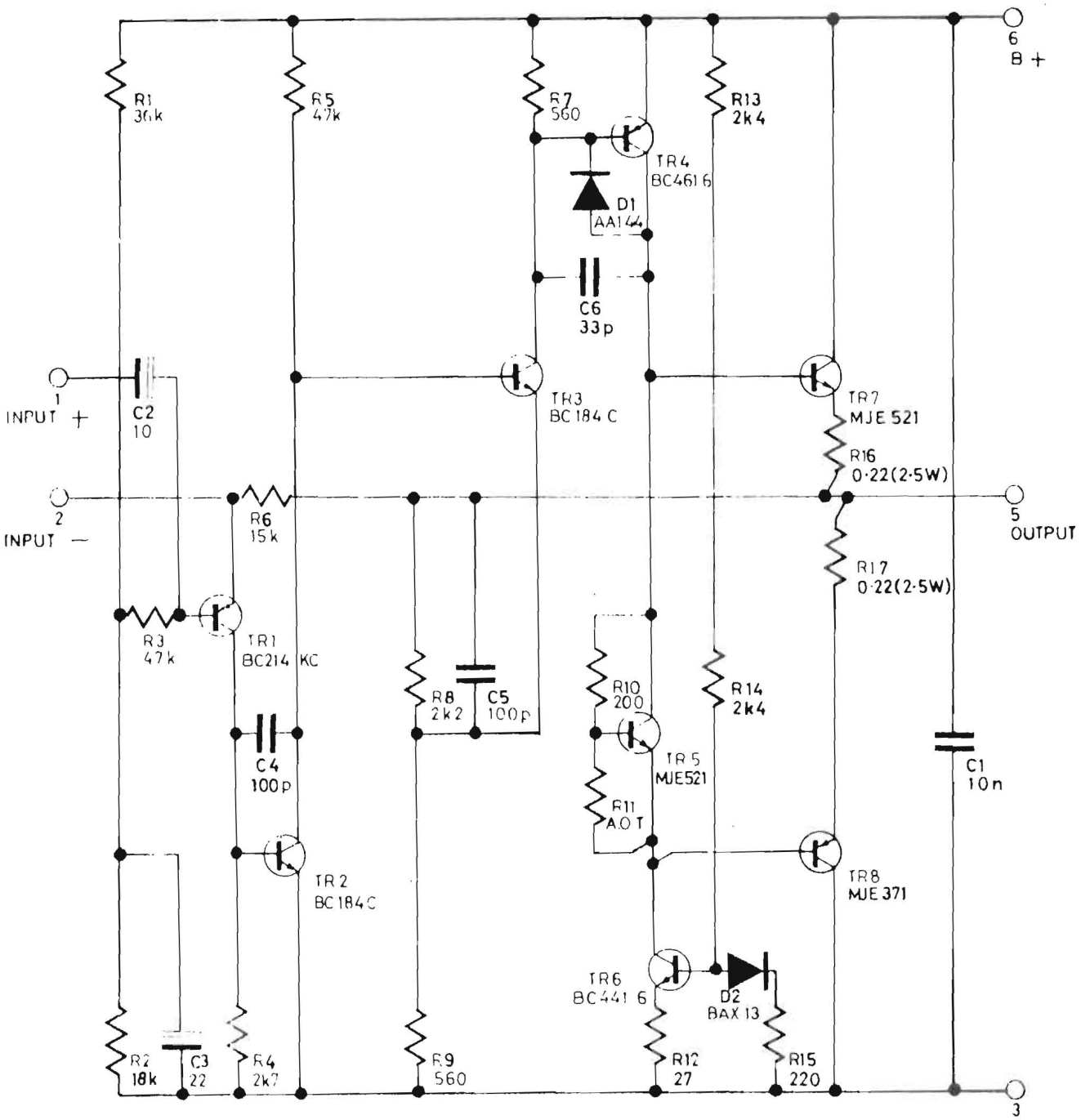


NOTES.

1. ADJUST RESISTOR R11 TO GIVE QUIESCENT CURRENT OF 85mA. SEE EZ10441
2. ALL VOLTAGES MEASURED W.R.T. B-VE
3. MAXIMUM OUTPUT WATTS INTO 4ohms.
4. GAIN BOOST IDENTICAL TO BA440
5. AMPLIFIER MAY NOT BE OPERATED WITHOUT MECHANICAL HEAT SINK ASSEMBLY.

	1	ISSUE	FIRST USED ON 3411	MATL	TOL UNLESS OTHERWISE STATED: LINEAR ±, ANGULAR, HOLES +0.13 −0
	9.5.74.	DATE	DRN. D.J.S.	FINISH	3RD ANGLE PROJ. DIMS IN, SCALE
		CHANGE NOTE Nº	TRACED C.K.	TITLE BA441 LARGE SIGNAL AMPLIFIER	DRG. Nº EX 10441
		CHECKED	CHECKED 4-6-74	Rupert Neve & Company Ltd.	1974. © A3

EX 10441



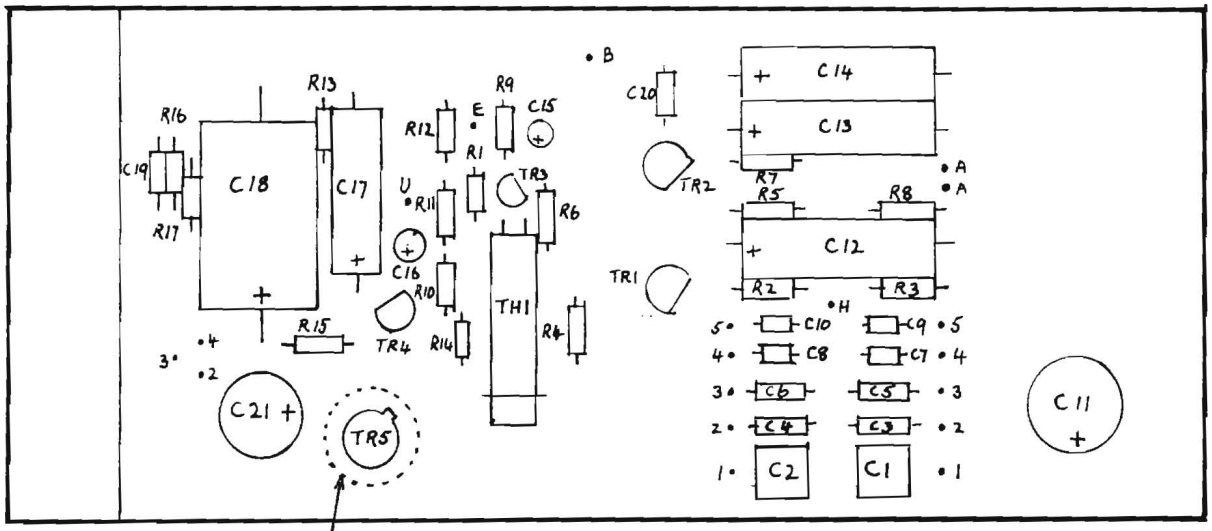
NOTES:
1. ADJUST RESISTOR R11 TO GIVE QUIESCENT CURRENT OF 85mA. SEE EZ10441
2. ALL VOLTAGES MEASURED WITH RESPECT TO B—
3. MAXIMUM OUTPUT WATTS INTO 4 OHMS
4. GAIN BOOST IDENTICAL TO BA 440
5. AMPLIFIER SHOULD NOT BE OPERATED WITHOUT MECHANICAL HEAT SINK ASSY.

RE DRAWN FOR THB BY CM	1	ISSUE	FIRST USED ON 3411	MATL	TOL UNLESS OTHERWISE STATED: LINEAR ± ; ANGULAR ; HOLES +0.13 −0
3 MAY 76	9 MAY 74	DATE	DRN DJS	FINISH	3RD ANGLE PRJ ; DIMS IN ; SCALE
		CHANGE NOTE NO	TRACED CK	TITLE PCB LARGE SIGNAL AMPLIFIER BA 441	DRG NO EX 10441
			CHECKED		

EX 10441

BA 446 COMPONENT LAYOUT

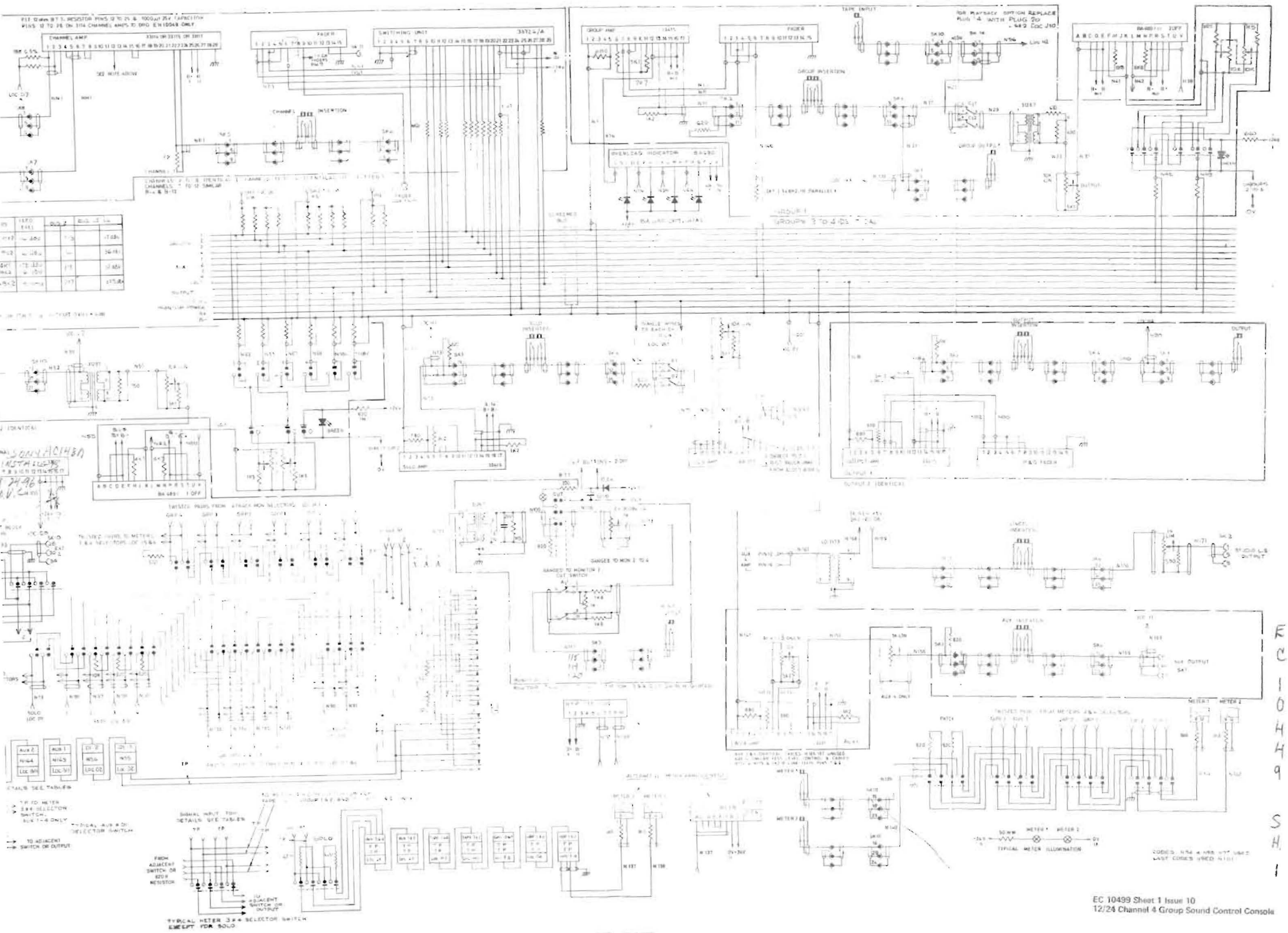
AS USED IN 3515



EW 10446/B Is 2

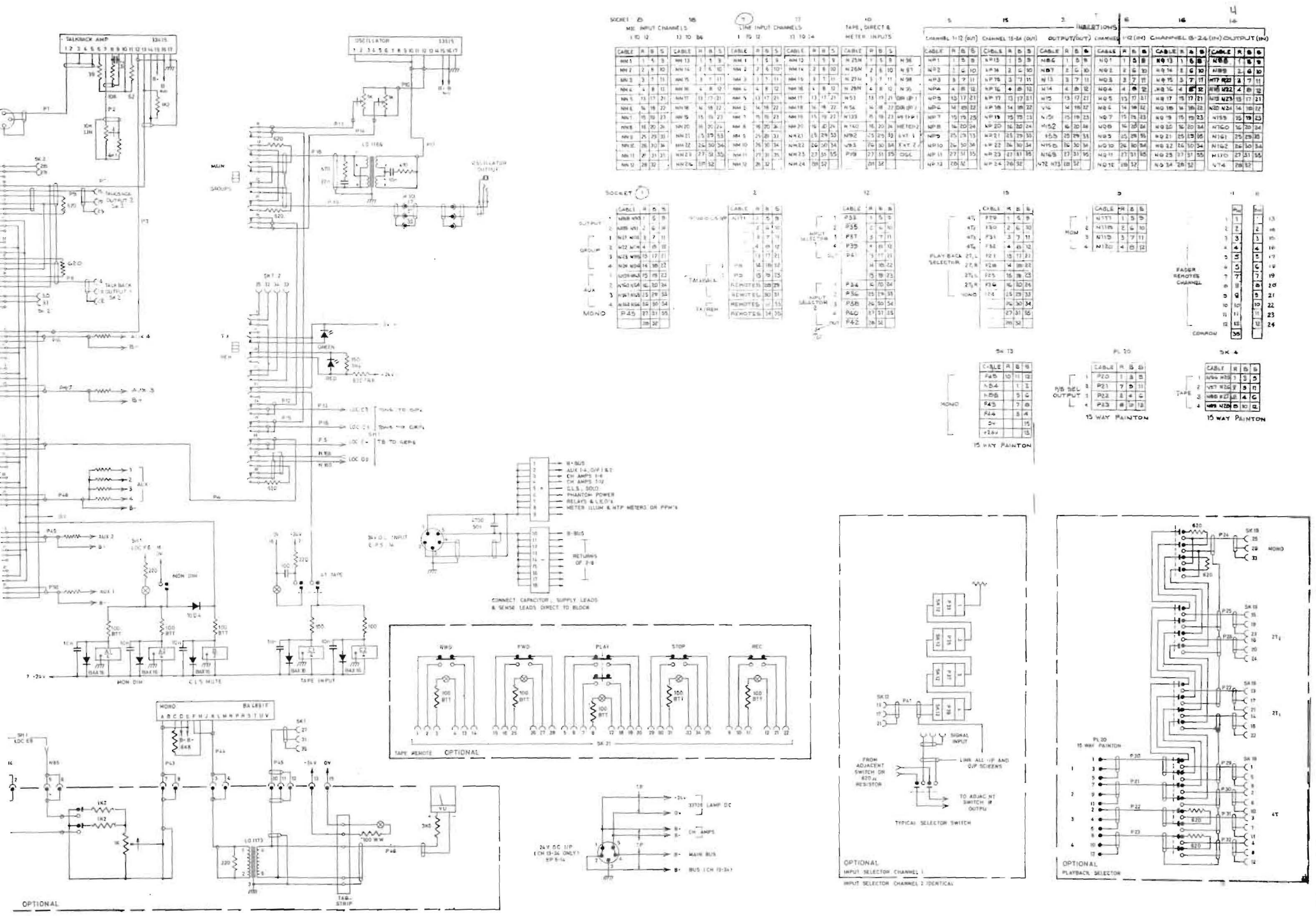
EW 10446/B

0499 SHEET 1



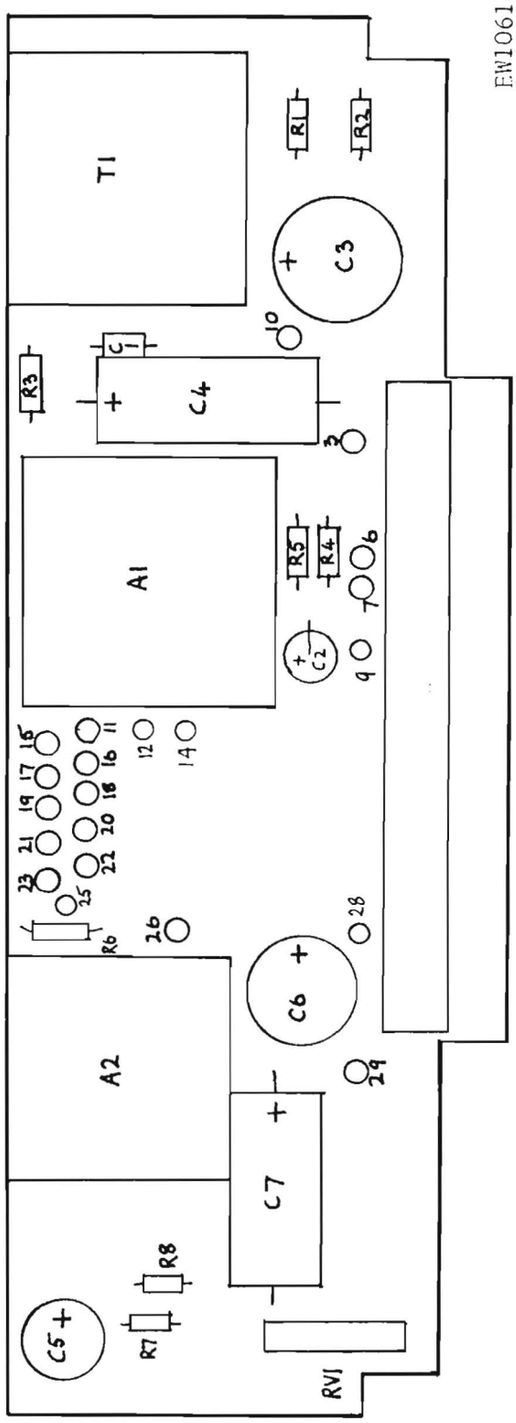
EC 10HH9 SH 1

EC 10499 Sheet 1 Issue 10
12/24 Channel 4 Group Sound Control Console



IEC 10499 Sheet 2 Issue 2
12/24 Channel 4 Group 2 Output Cons

EW 10619/A



BA619 COMPONENT LAYOUT

EW 10619

DRAWING No.
EX10489

COMPONENT VALUES TO BE USED ON BA489/A etc

	BA489/A	BA489/B	BA489/C	BA489/D	BA489/E	BA489/F	BA489/G	BA489/H	BA489/J	BA489/K	BA489/L	BA489/M	BA489/N	BA489/P	BA489/Q	BA489/R	BA489/S	BA489/T	BA489/U	BA489/V	BA489/W	BA489/X	BA489/Y	BA489/Z	
A1	BA437	BA438	BA440	BA437	BA438	BA440	BA437	BA438	BA437	BA438	BA640	BA438	BA440	BA640	BA512	BA441	BA438	BA441	BA638	BA640	BA638	BA640	BA638	BA638	A1
A2	BA437	BA438	BA440	not used	not used	not used	BA438	BA440	BA440	BA640	BA640	BA438	BA440		BA512	BA441	BA512		BA638	BA640	not used	not used	BA640	BA640	A2
C1	150/16	150/16	470/16	150/16	150/16	470/16	150/16	150/16	150/16	470/16	470/16	470/16	470/16	470/16	470/16	150/16	150/16	150/16	150/16	470/16	150/16	470/16	150/16	150/16	C1
C2	470/25	470/25	470/25	470/25	470/25	470/25	470/25	470/25	470/25	100/40	470/40	100/40	470/25	470/40	470/25	470/25	470/25	470/25	470/25	470/25	470/25	470/25	470/25	470/25	C2
C3	470/16	150/16	470/16	150/16	150/16	470/16	470/16	150/16	150/16	150/16	470/40	150/16	470/25	470/40	470/16	LINK	150/16	LINK	150/16	470/25	150/16	470/25	150/16	150/16	C3
C4	150/16	150/16	470/16	not used	not used	not used	150/16	470/16	470/16	470/16	470/16	470/16	470/16		470/16	150/16	470/16		150/16	470/16			470/16	470/16	C4
C5	470/25	470/25	470/25	-"-	-"-	-"-	470/25	470/25	470/25	470/40	470/40	100/40	470/25		470/25	470/25	470/25		470/25	470/25			470/25	470/25	C5
C6	470/16	150/16	470/16	-"-	-"-	-"-	470/16	470/16	470/16	470/40	470/40	150/16	470/25		470/16	LINK	470/16		150/16	470/25			470/16	LINK	C6
R1	47	47	10	47	47	10	47	47	47	47	10	47	10	10	10	LINK	47	LINK	47	10	47	10	47	47	R1
R2	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K	R2
R3	47	47	10	not used	not used	not used	47	10	10	10	10	47	10		10	LINK	10		47	10			10	10	R3
R4	10K	10K	10K	-"-	-"-	-"-	10K	10K	10K	10K	10K	10K	10K		10K	10K	10K		10K	10K			10K		R4

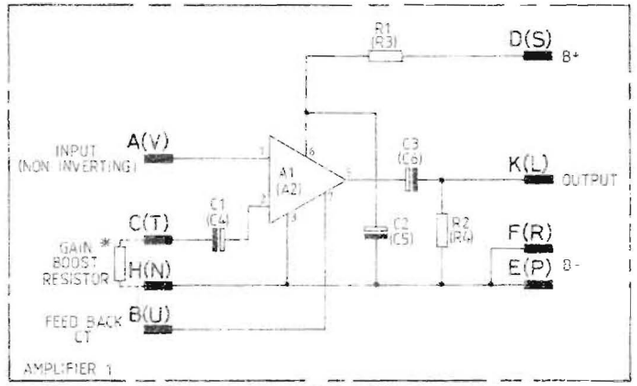
VARIANTS N,V,& X ARE NOT SUITABLE FOR MODULES & CAN ONLY BE USED IN CONSOLE APPLICATIONS.

	BA489/AA	BA489/AB	BA489/AC	BA489/AD	BA489/AE				
A1	BA640	BA638	BA640	BA640	BA441				A1
A2	BA640	BA441		BA441	BA441				A2
C1	470/16	150/16	1000/16	470/16	150/16				C1
C2	470/25	470/40	470/25	470/25	470/25				C2
C3	LINK	150/16	1000/16	470/16	1000/16				C3
C4	470/16	150/16		470/16	150/16				C4
C5	470/25	470/40		470/25	470/25				C5
C6	LINK	LINK		LINK	1000/16				C6
R1	10	47	10	10	LINK				R1
R2		10K	10K	10K	10K				R2
R3	10	LINK		LINK	LINK				R3
R4		10K			10K				R4

GAIN BOOST RESISTOR VALUES
(WHEN USING NON-INVERTING INPUT)

dB	Ohms
10	6K8
12	5K1
14	3K6
16	2K7
18	2K2
20	1K6
22	1K3
24	1K0
26	820
28	620
30	510
32	390
34	300
36	240
38	200
40	150
42	120
44	91

MAXIMUM GAIN BOOST 45dB



AMPLIFIER 2 IDENTICAL PIN & COMPONENT IDENTS IN BRACKETS

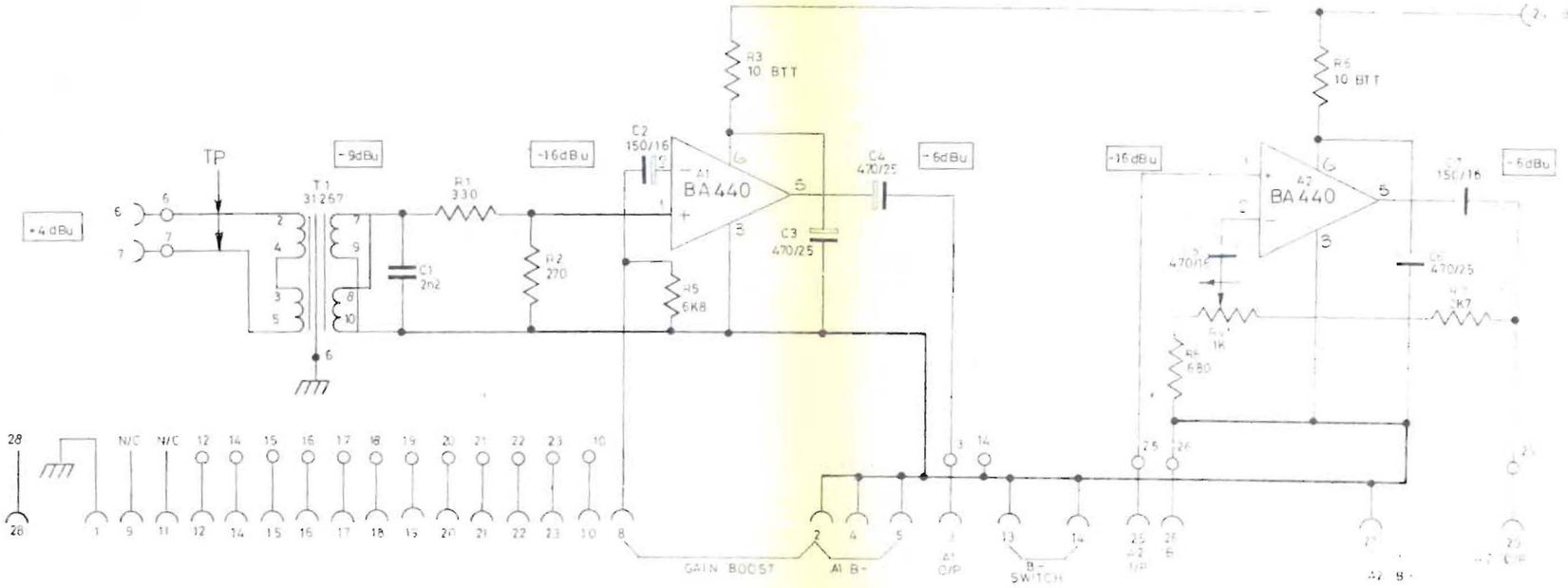
17	—	16	ISSUE	FIRST USED ON	MATL	TOL UNLESS OTHERWISE STATED	
						LINEAR ±	ANGULAR ±
15-1-82	17-6-81	20-6-81	DATE	DRN. T.J.S	FINISH	ANGLES ±	DIMS.IN
59730	REDRAWN	61314	CHANGE NOTE No	TRACED S.P.W	TITLE DUAL AMP MOTHERBOARD FOR BA437-440 SERIES	DRG No. EX10489	SCALE
			CHECKED	CHECKED	Neve Electronics International Ltd.	1981 ©	A2

EX10489

EX 10619/A

DRAWING No.

EX 10619/A



2	1	ISSUE	FIRST USED ON A42J6 33726 SW UNIT	MATL
11-7-77		DATE	DRN. AJ	FINISH
		CHANGE NOTE No	TRACED JDC	TITLE BA619/A MOTHERBOARD
		CHECKED	CHECKED	

Rupert Neve & Company Ltd.

DRG No EX 10619/A

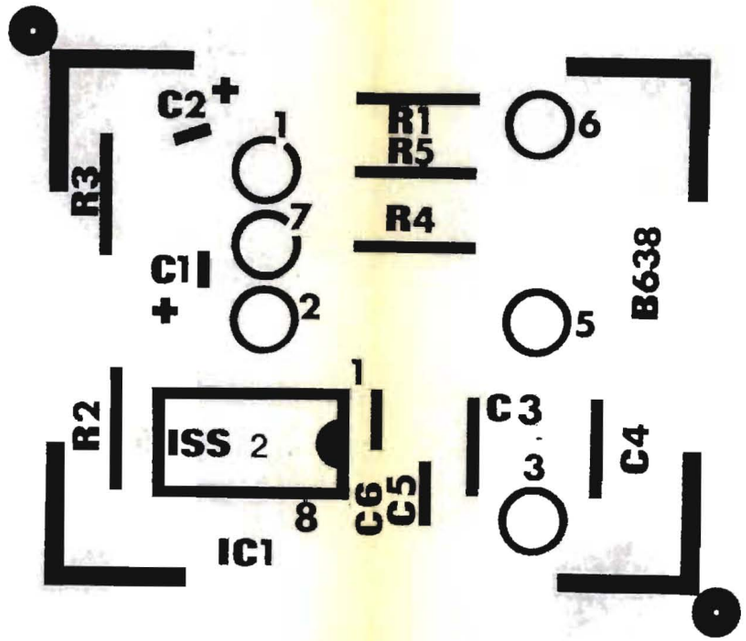
1977 © A3

MY 54065R

EX 10619/A

EW 10638

DRAWING No.
EW10638



2	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
	23.6.77	DATE	DRN.	FINISH	LINEAR ± –	ANGULAR	HOLES +0.13 –0
3C145	—	CHANGE NOTE Nº	TRACED		3rd ANGLE PRJ.	DIMS. IN	SCALE
		CHECKED	CHECKED	TITLE	DRG. No. EW10638		

Neve Electronics International Ltd. 19 © A3

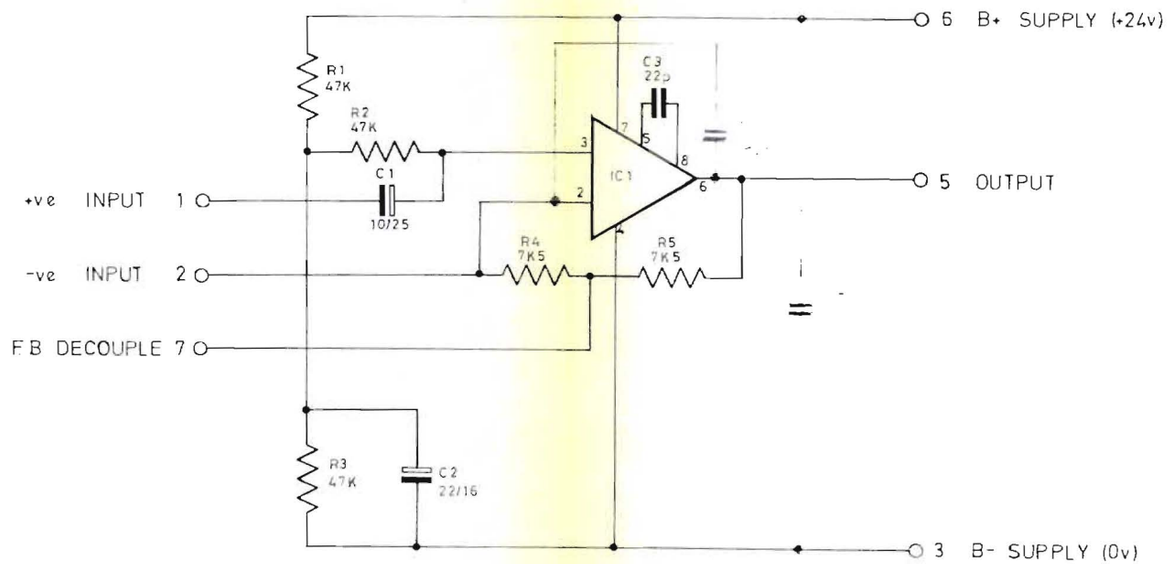
MY A55653 R

EW 10638

EX 10638

DRAWING No.

EX 10638



NOTES:- 1 ALL RESISTORS ¼W 5% MO
2 C1 IS A LOW LEAKAGE TANTALUM CAPACITOR

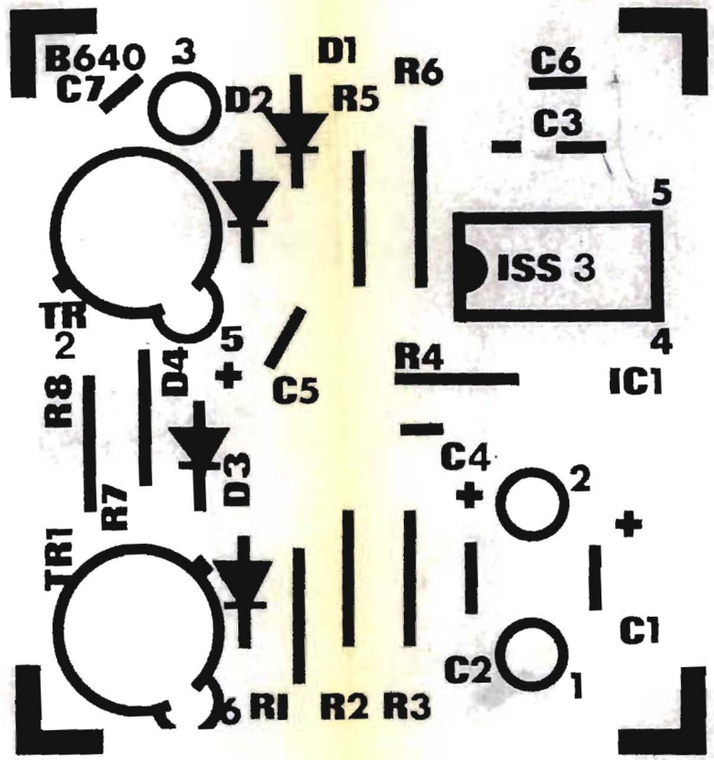
	1	ISSUE	FIRST USED ON	MATL.	TOL UNLESS OTHERWISE STATED: LINEAR	ANGULAR HOLES
		DATE	DRN. J.B.	FIN.	3rd ANGLE PRJ.	DIMS. IN SCALE
		CHANGE NOTE Nº	TRACED J.D.C.	TITLE SMALL SIGNAL AMPLIFIER BA 638	DRG. No EX 10638	
		CHECKED	CHECKED	Rupert Neve & Company Ltd.	1977	A3

BA 638

FW 10640

DRAWING No.
EW 10640

SEE ALSO FX 10 640



REDUCE TO 40,0 MM

ISSUE	3	2	1
DATE	27.2.79	12.6.78	23-6-77
CHANGE NOTE Nº			
CHECKED			

FIRST USED ON

DRN. DJS DBDS

TRACED

CHECKED

MATL. —

FINISH —

TITLE B.640 COMPONENT LAYOUT

TOL. UNLESS OTHERWISE STATED
LINEAR ± 0.15 | ANGULAR — | HOLES + 0.13 - 0
3rd ANGLE PRJ. | DIMS. IN MM | SCALE 4:1

DRG. No. EW/0640

Rupert Neve & Company Ltd. 1977 © A3

MY 54665R

BA640

EW 10640

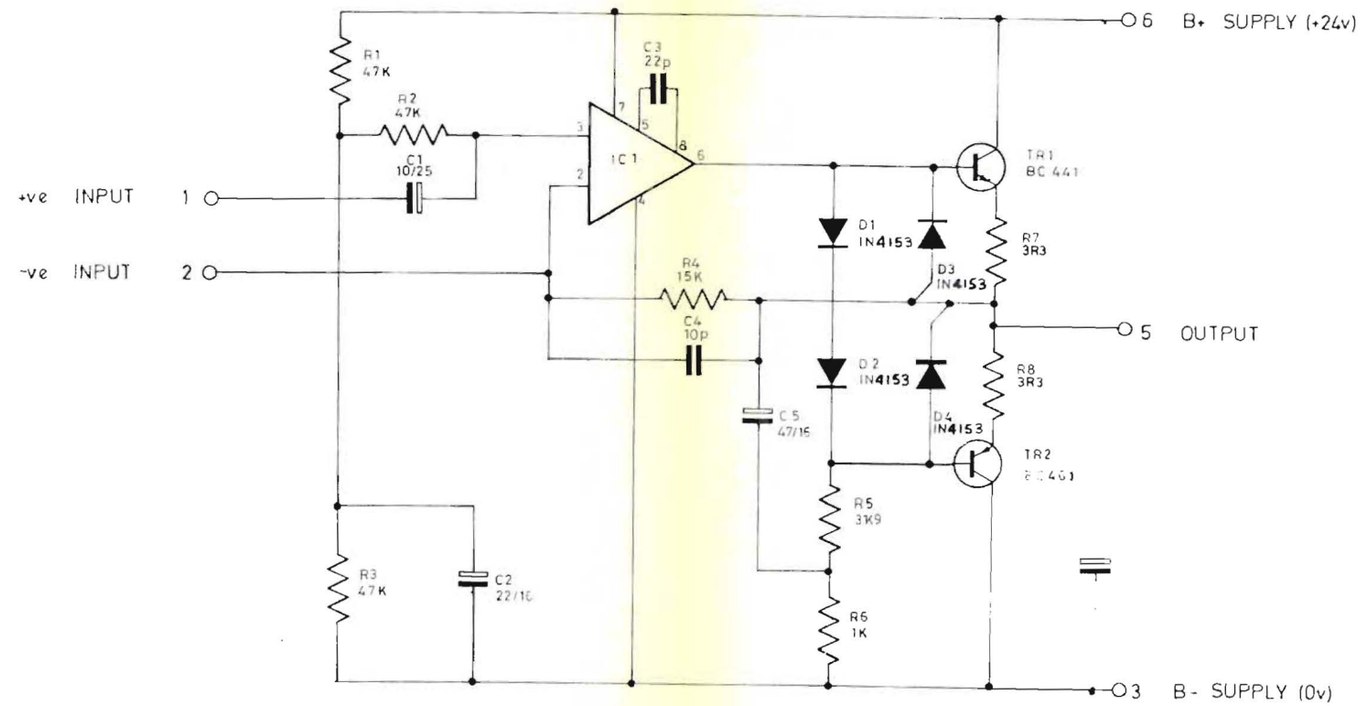
FW 10640

EX 10640

DRAWING No.

EX 10640

SEE ALSO E W 10640



NOTE- 1 ALL RESISTORS ¼W 5% M.O.
2 C1 IS A LOW LEAKAGE TANTALUM CAPACITOR
TR1 & TR2 ARE MOUNTED TO HEATSINK

	4	3	2	1	ISSUE
		12-7-78	2-6-78	23-3-77	DATE
		30117	30116		CHANGE NOTE Nº
					CHECKED

FIRST USED ON D205

DRN J.B.

TRACED J.D.C

CHECKED

MATL.

FINISH

TITLE 1-5 Watt POWER AMPLIFIER BA 640

TOL UNLESS OTHERWISE STATED: LINEAR ± | ANGULAR ± | HOLES +0.12 −0

3rd ANGLE PRJ | DIMS IN | SCALE

DRG No. EX 10640

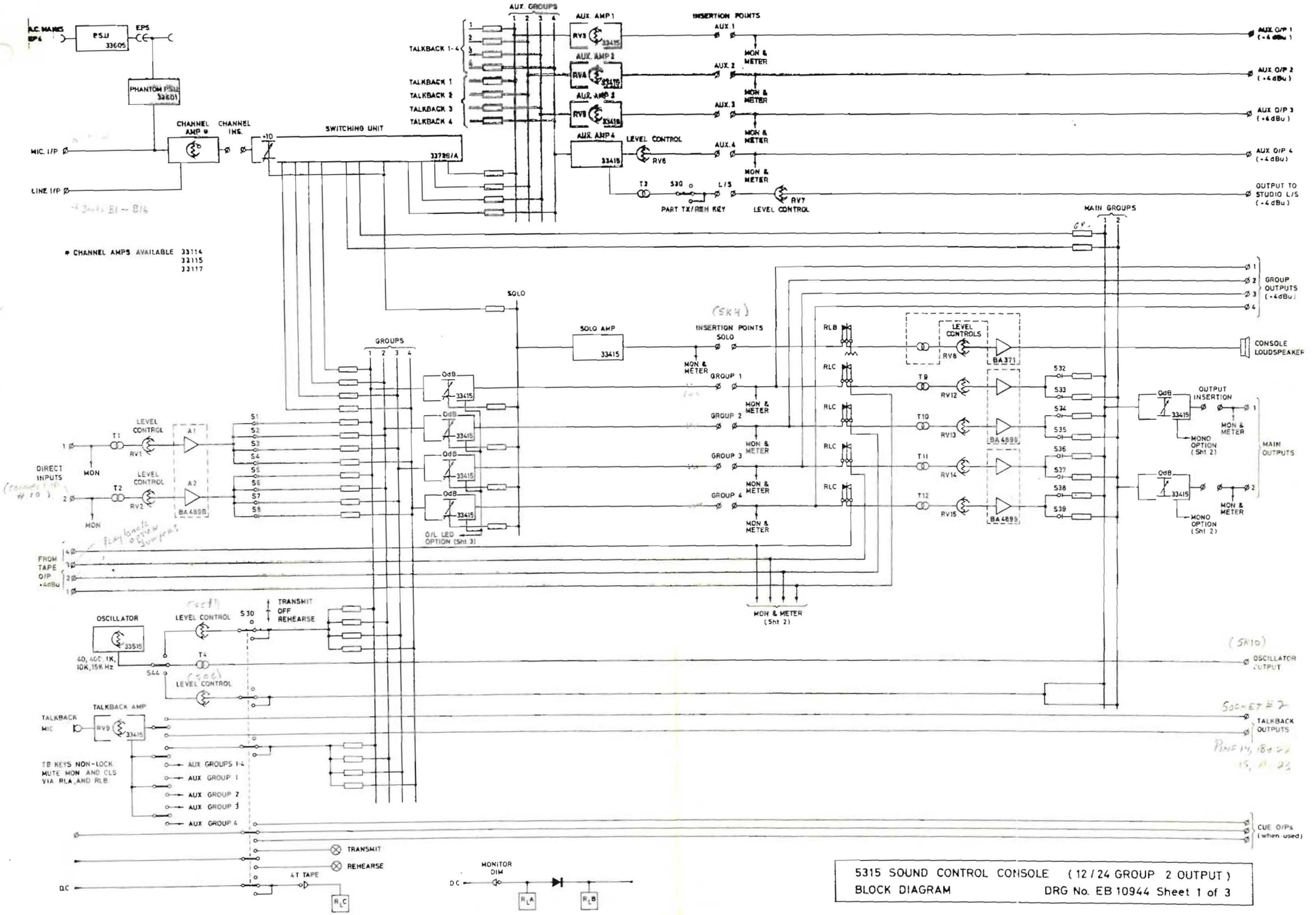
Rupert Neve & Company Ltd.

MY 54665R

BA 640

EX 10640

EB 10944 1 OF 3

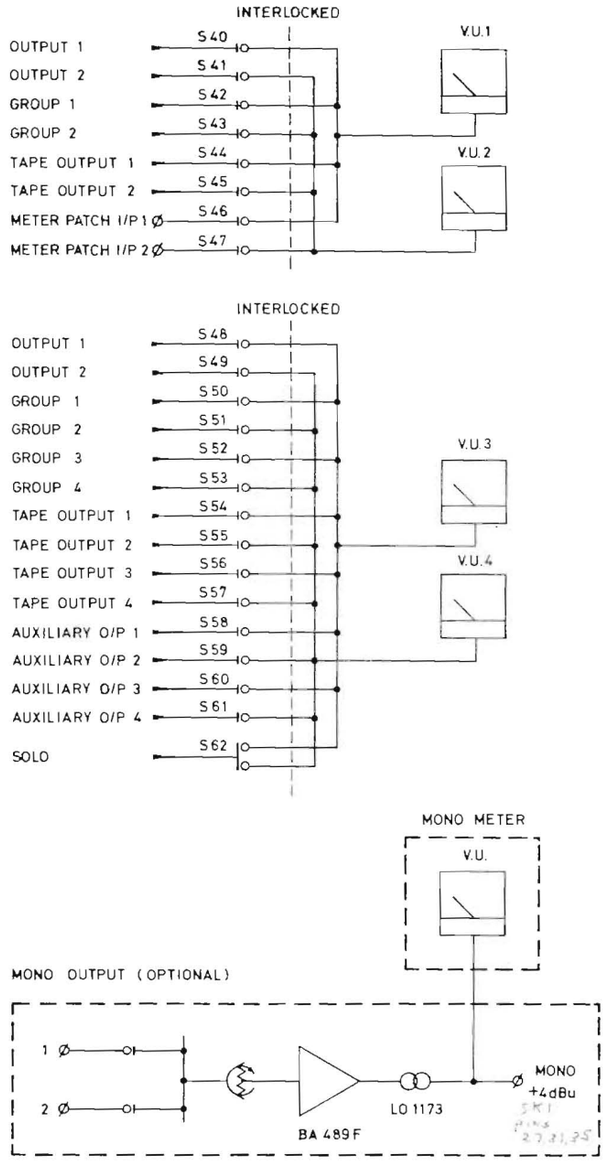


5315 SOUND CONTROL CONSOLE (12 / 24 GROUP 2 OUTPUT)
BLOCK DIAGRAM DRG No. EB 10944 Sheet 1 of 3

EB 10944 1 OF 3

EB 10944 2 of 3

METERING



MONITORING

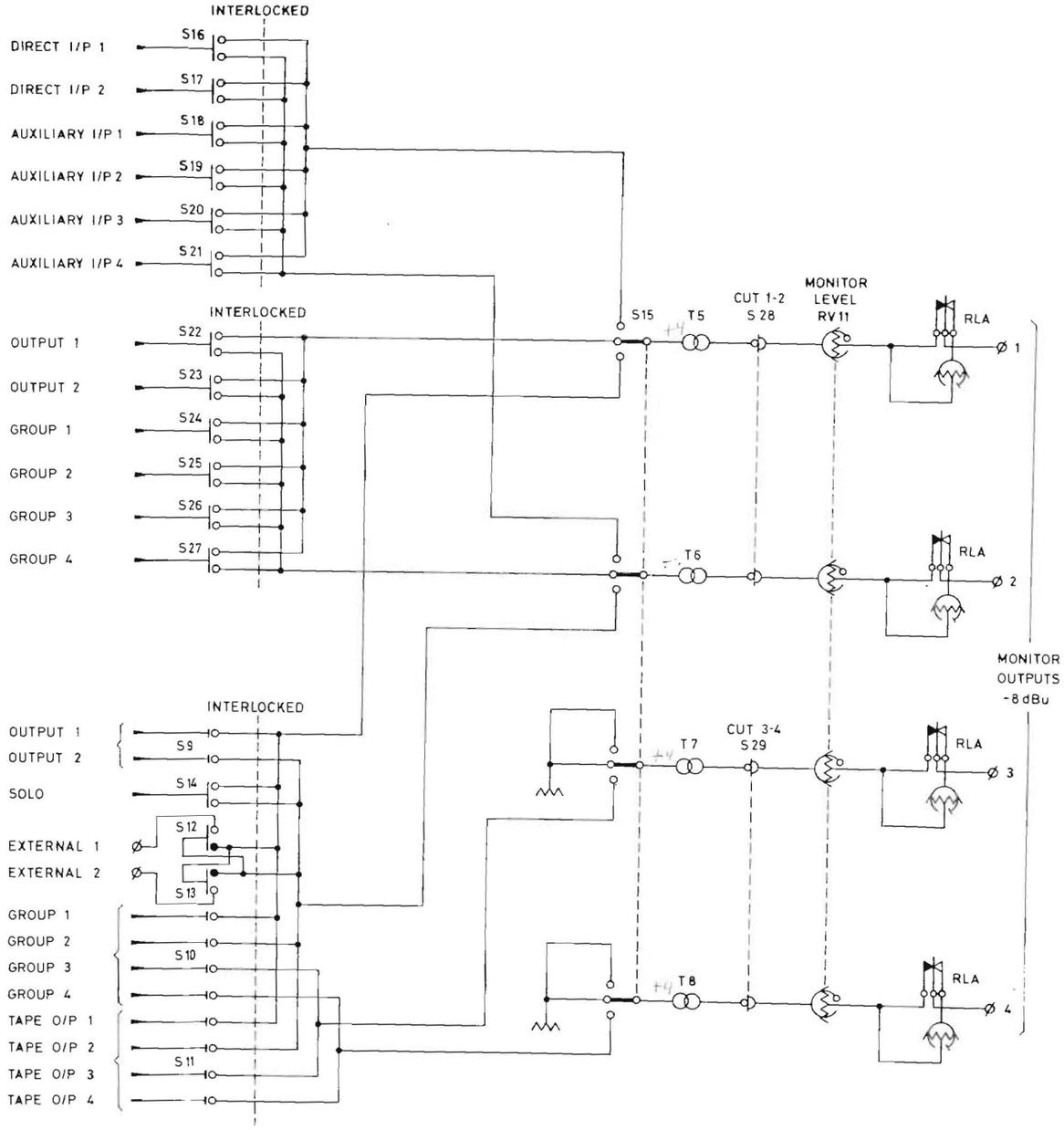
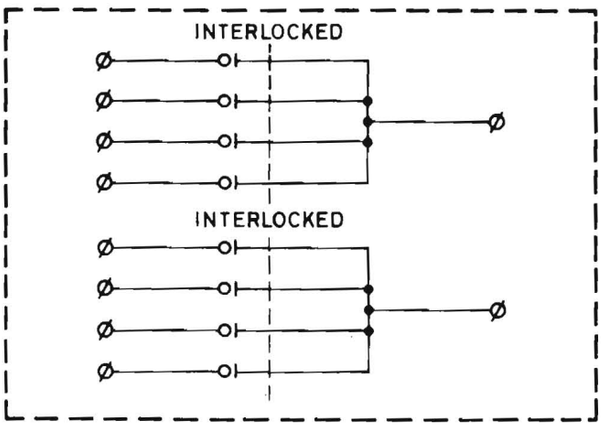


Fig. 1B MONITORING AND METERING

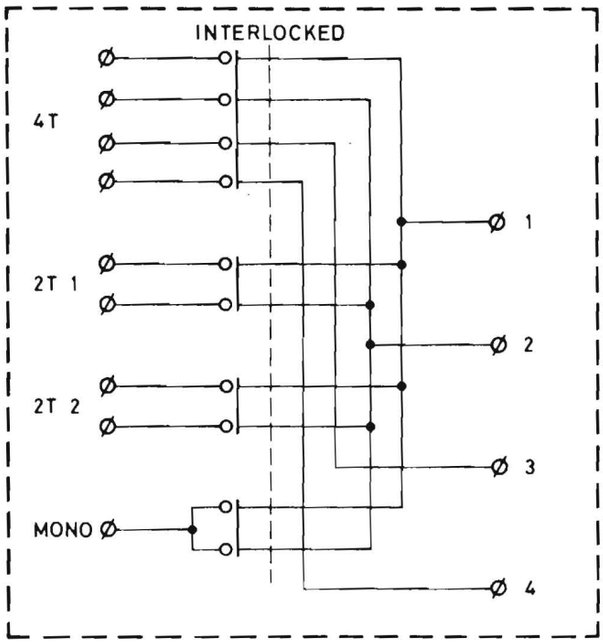
OPTIONS

DRG. No. EB 10944 Sheet 3 of 3

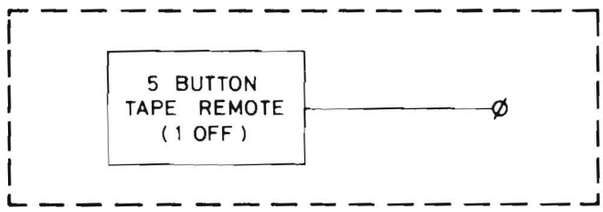
INPUT SELECTOR (2 CHANNELS)



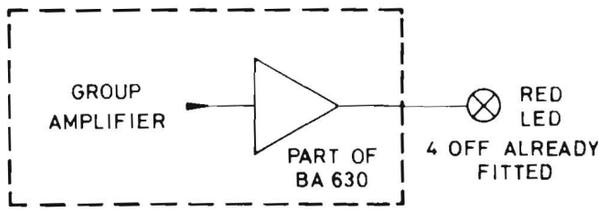
PLAYBACK SELECTOR



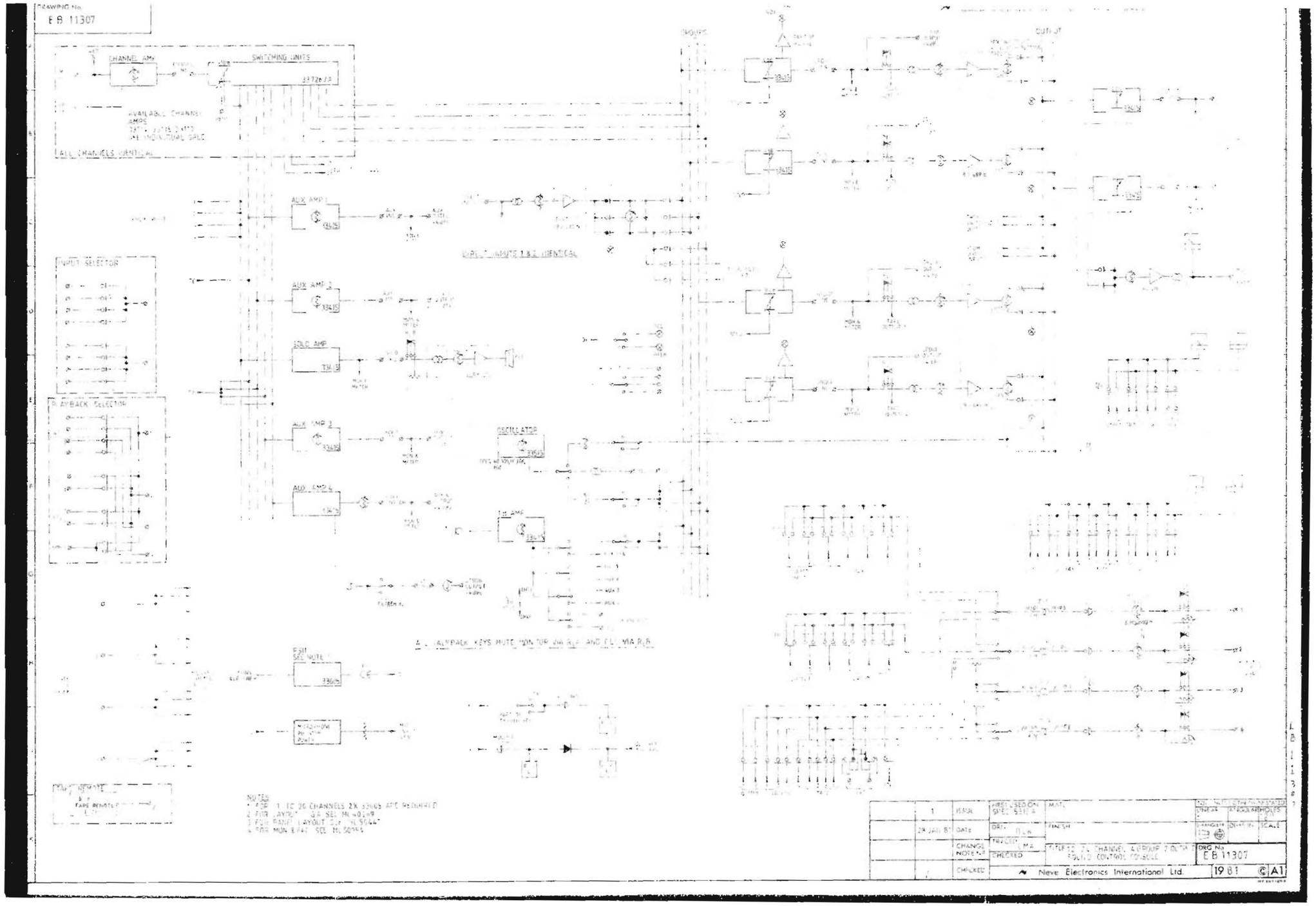
TAPE REMOTE



OVERLOAD INDICATORS (4 OFF)

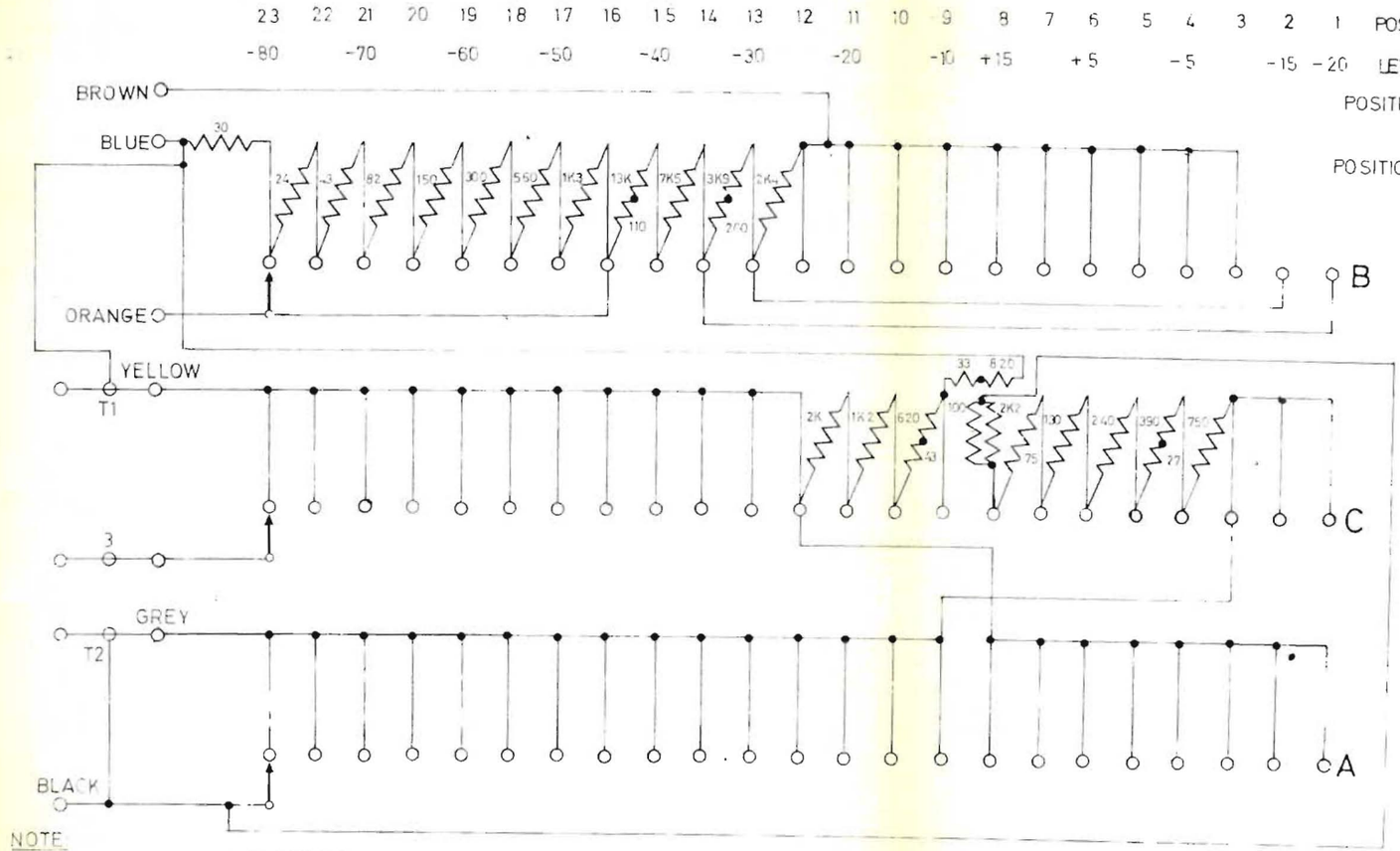


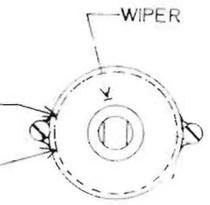
EB 10944 3 OF 3

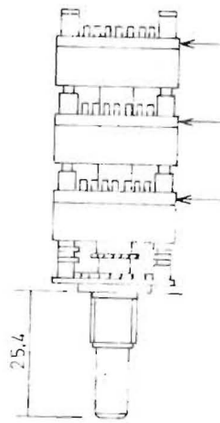

DRAWING No.
E B 11307
CHANNEL AMP
SWITCHING UNITS
33726/3
AVAILABLE CHANNEL AMPS
ALL CHANNELS IDENTICAL
AUX AMP 1
AUX AMP 2
SOLO AMP
AUX AMP 3
AUX AMP 4
OSCILLATOR
INPUT SELECTOR
PLAYBACK SELECTOR
FADER REMOTE
OUTPUT
OUTPUTS 1 & 2 IDENTICAL
NOTES:
1. FOR 1 TO 36 CHANNELS 2X 33605 ARE REQUIRED
2. FOR LAYOUT OF SEL MUTE SEE ML 40189
3. FOR PANEL LAYOUT SEE ML 50244
4. FOR MON & PAT SEL SEE ML 50195
A - PLAYBACK KEYS MUTE MON FOR AUX 1-2 AND FLI MAP B
1
ISSUE
FIRST ISSUED ON SPEC 5316 A
MATL
UNLESS OTHERWISE STATED
LINEAR
ANGULAR
HOLES
28 JAN 81
DATE
DRN
FINISH
WEIGHT
SCALE
CHANGE NOTE No.
TRACED
CHECKED
TITLE TO 24 CHANNEL AUTOMATED SOUND CONTROL CONSOLE
DRG No.
E B 11307
CHECKED
Neve Electronics International Ltd.
1981
A1

EK 20046

DRAWING Nº EK 20046







ELMA 01-3 X 23

NOTE

T1 REFERS TO 1081 SERIES SEE RELEVANT CIRCUITS

WIRES TO BE 6" LONG 7/0076 OR EQUIVALENT

5	4	3	2	1	ISSUE
24-7-75	9-11-73	29/10/73	24/1/73	15-9-72	DATE
10988	10802	10790	10635		CHANGE NOTE Nº
					CHECKED

FIRST USED ON A-99

DRN. PET

TRACED

CHECKED

MAT'L

FINISH

TOL UNLESS OTHERWISE STATED

LINEAR ± | ANGULAR | HOLES +.005 -.000

3RD ANGLE PROJ. | DIMS IN mm | SCALE

TITLE 1081 CHANNEL AMPLIFIER SENSITIVITY SWITCH ASSEMBLY

DRG Nº EK 20046

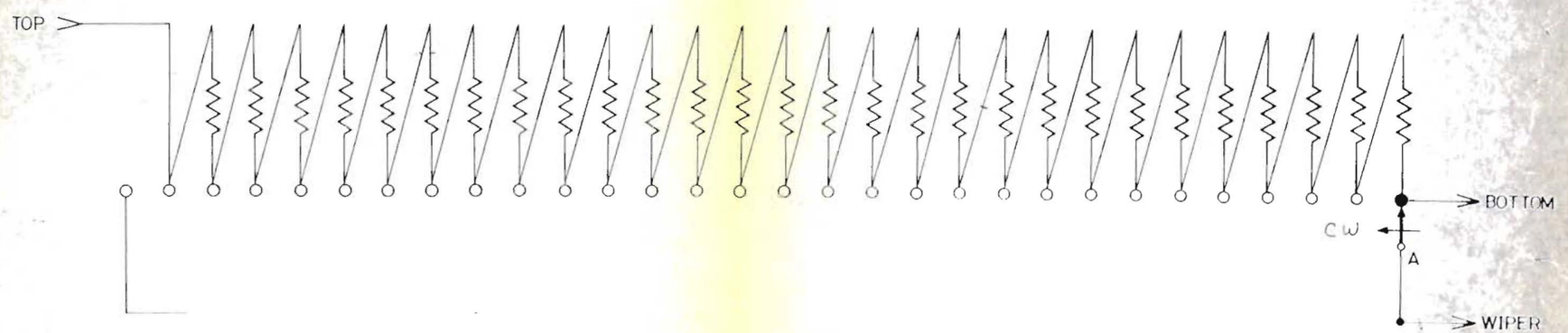
Rupert Neve & Company Ltd. 1972 © A3

NM7827

EK 20084/-

DRAWING No.
EK20084/ -

POSITION	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
RES. VALUE			150	150	120	120	120	100 (100)	91	82	82	75 (68)	68	68	56	47	47	39	33	27	22	22	18	18	15	15	12	12	12	10



APPROX dB STEPS	0	0·9	0·9	0·9	0·9	1·0	1·0	1·0	1·0	1·0	1·2	1·2	1·3	1·3	1·3	1·4	1·4	1·4	1·4	1·4	1·5	1·5	1·8	2·0	2·4	2·7	3·7	6·9	∞

NOTE :- TOTAL RESISTANCE 1630 ohms
MADE ON PAINTON WINKLER 30 WAY, (CS-1P-23-4B)
STOPPED TO 29, ROTATION 330°
ALL RESISTORS TR4/MR4 5%

WAS :- SK/D/1020

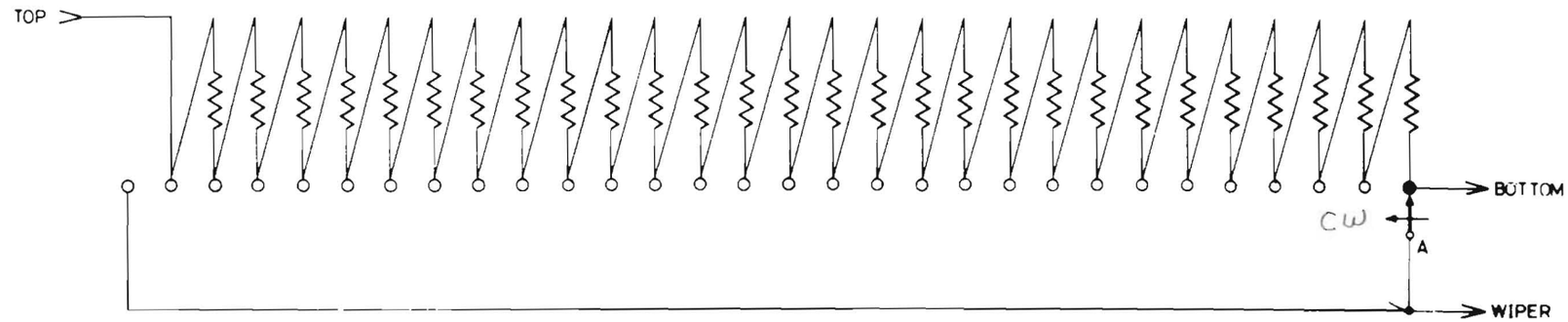
	1	ISSUE	FIRST USED ON	MATL	TOL UNLESS OTHERWISE STATED LINEAR ±	ANGULAR ± NOTES
	25-2-75	DATE	DRN.	FINISH	3rd ANGLE PRT	DIM'S IN SCALE
		CHANGE NOTE No.	TRACED B.W.M	TITLE 1K STEPPED FADER	DRG No. EK20084/-	
		CHECKED	CHECKED GT	Rupert Neve & Company Ltd.	1975 ©	A3

EK 20084

MY 54005 R

DRAWING No.
EK20084/-

POSITION	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
RES. VALUE			150	150	120	120	120	100	91 (100)	82	82	75 (68)	68	68	56	47	47	39	33	27	22	22	18	18	15	15	12	12	12	10



APPROX dB STEPS	0	0·9	0·9	0·9	0·9	1·0	1·0	1·0	1·0	1·0	1·2	1·2	1·3	1·3	1·3	1·4	1·4	1·4	1·4	1·4	1·5	1·5	1·8	2·0	2·4	2·7	3·7	6·9	∞

NOTE - TOTAL RESISTANCE 1630 ohms
MADE ON PAINTON WINKLER 30 WAY (CS-1P-23-4B)
STOPPED TO 29, ROTATION 336°
ALL RESISTORS TR4/MR4 5%

WAS ~ SK/D/1020

	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
	25-2-75	DATE	DRN.	FINISH	LINEAR ±	ANGULAR	HOLES +0.13 -0
		CHANGE NOTE No.	TRACED B.W.M.		3rd ANGLE PROJ.	DIMS IN	SCALE
		CHECKED	CHECKED	TITLE 1K STEPPED FADER	DRG. No. EK20084/-		
		CHECKED		Rupert Neve & Company Ltd.	1975		

EK 20084/

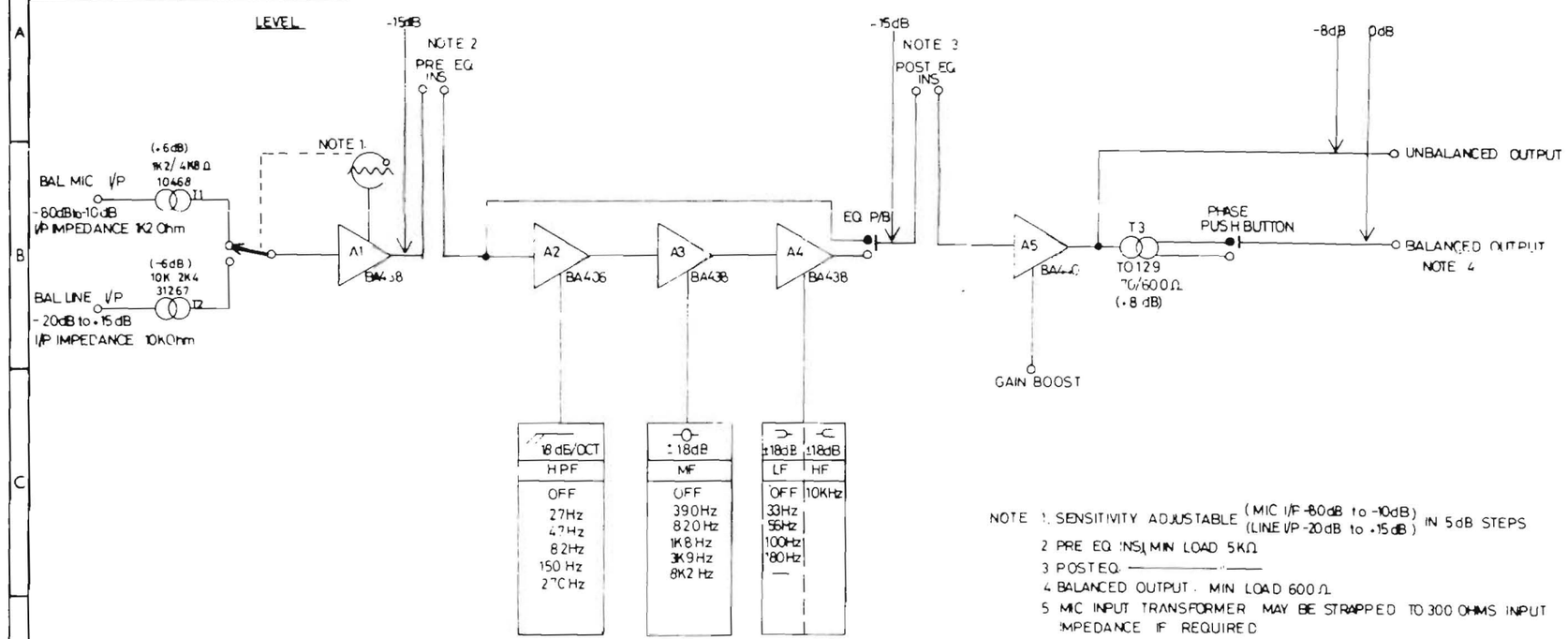
EK20084/- SWITCH ASSEMBLY

IK63 TAPERED FADER

1 Bank -/1	2 Bank -/2	3 Bank -/3	4 Bank -/4	Description	Part No.
1	1			Switch Painton Winkler CS-IP-23-2B	SO145
		1	1	Switch Painton Winkler CS-IP-23-4B	SO146
1	2	3	4	Resistor 10 TP4 ±2%	R4 10
3	6	9	12	Resistor 12 " "	R4 12
2	4	6	8	Resistor 15 " "	R4 15
2	4	6	8	Resistor 18 " "	R4 18
2	4	6	8	Resistor 22 " "	R4 22
1	2	3	4	Resistor 27 " "	R4 27
1	2	3	4	Resistor 33 " "	R4 33
1	2	3	4	Resistor 39 " "	R4 39
2	4	6	8	Resistor 47 " "	R4 47
1	2	3	4	Resistor 56 " "	R4 56
2	4	6	8	Resistor 68 " "	R4 68
1	2	3	4	Resistor 75 " "	R4 75
2	4	6	8	Resistor 82 " "	R4 82
1	2	3	4	Resistor 91 " "	R4 91
1	2	3	4	Resistor 100 " "	R4 100
3	6	9	12	Resistor 120 " "	R4 120
2	4	6	8	Resistor 150 " "	R4 150

DRAWING Nº

EB 20104



NOTE 1. SENSITIVITY ADJUSTABLE (MIC I/P -80dB to -10dB) (LINE I/P -20dB to +15dB) IN 5dB STEPS

2 PRE EQ INS. MIN LOAD 5KΩ

3 POST EQ. ————————

4 BALANCED OUTPUT. MIN LOAD 600Ω.

5 MIC INPUT TRANSFORMER MAY BE STRAPPED TO 300 OHMS INPUT IMPEDANCE IF REQUIRED

2 WIRE CIRCUIT DIAG EH 10050
FRONT PANEL LAYOUT ML60918

4	3	2	1	ISSUE
21 MAY 74	2 MAY 74	1 MARCH 74	29 JAN 74	DATE
	330 Hz ON LF CONTROL REMOVED			CHANGE NOTE Nº
				CHECKED

FIRST USED ON STANDARD	MAT'L
DRN. SKT	FINISH
TRACED JM	
CHECKED	TITLE CHANNEL AMPLIFIER 3115

TOL UNLESS OTHERWISE STATED

LINEAR + −	ANGULAR	HOLES +0.13 −0
3RD ANGLE PRJ	DIMS IN	SCALE

DRG Nº EB 20104

Rupert Neve & Company Ltd. 1974 © A3

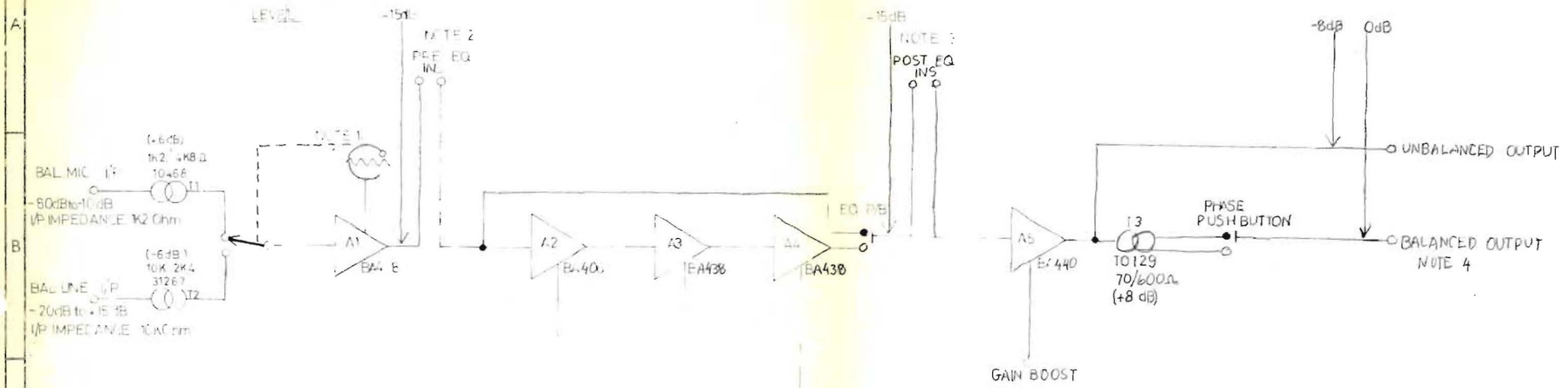
EB 20104

EB 20104

EB 20104

DRAWING Nº

EB 20104



18dB/OCT	±18dB	±18dB	±18dB
HPF	MF	LF	HF
OFF	OFF	OFF	10KHz
27Hz	390Hz	33Hz	
47Hz	820Hz	56Hz	
82Hz	1K8Hz	100Hz	
150Hz	3K9Hz	180Hz	
270Hz	8K2Hz		

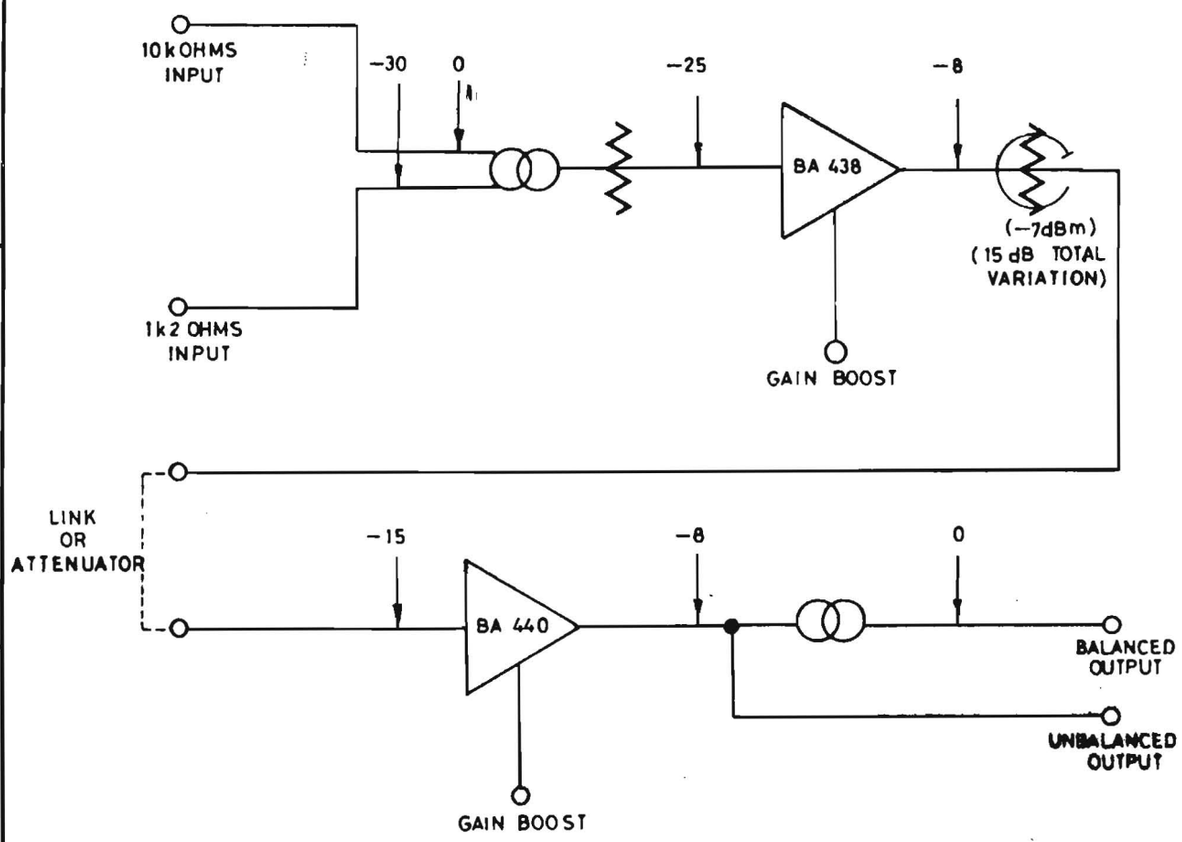
NOTE 1. SENSITIVITY ADJUSTABLE (MIC I/P -80dB TO -10dB / LINE I/P -20dB TO +15dB) IN 5dB STEPS
2. PRE EQ INSI MIN LOAD 5KΩ
3. POSTEQ ——— "
4. BALANCED OUTPUT MIN LOAD 600Ω
5. MIC INPUT TRANSFORMER MAY BE TRAPPED TO 300 OHMS INPUT IMPEDANCE IF REQUIRED

2 WIRE CIRCUIT DIAG EH 10050
FRONT PANEL LAYOUT ML60918

-	3	2	1	ISSUE	FIRST ISSUED ON STANDARD	MAT	TOL UNLESS OTHERWISE STATED: LINEAR ANGULAR HOLES
	2 MAY 74	1 MARCH 74	29 JAN 74	DATE	DRN SKT	INSP	
				CHANGE	TRACED JM		DIMEN SCALE
					CHECKED		CHANNEL AMPLIFIER 3115
				CHECKED			EB 20104

Rupert Neve & Company Ltd 1974 © A3

EB 20121



GAIN BOOST
TABLE OF VALUES
FOR BA 440

BOOST	RESISTOR
3	1k5
6	620
9	360
12	220
15	120
18	91

GAIN BOOST
TABLE OF VALUES
FOR BA438

BOOST	RESISTOR
3	1k0
6	430
9	240
12	150
15	91
18	62

NOTE: LEVELS ARE IN dBm

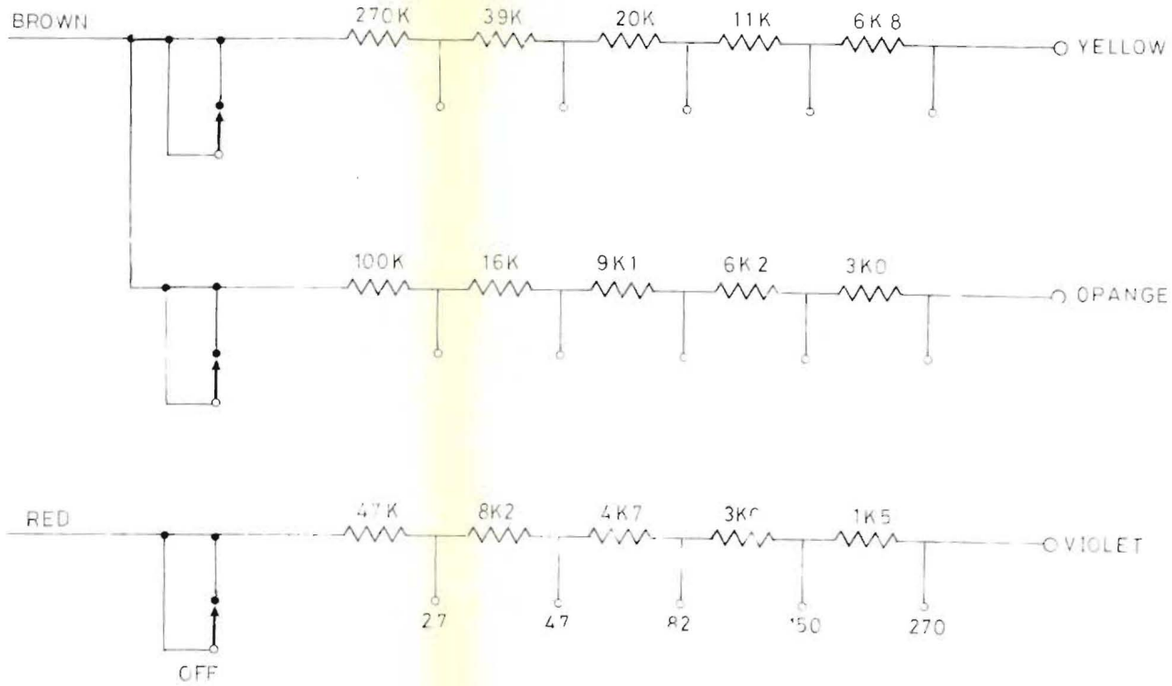
RE DRAWN FOR THB BY CM	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +0.13 −0
3 MAY 76	24 APR 74	DATE	DRN. AHL	FINISH	3RD ANGLE PRJ.	DIMS IN	SCALE
		CHANGE NOTE Nº	TRACED JM				
			CHECKED	TITLE LINE AMPLIFIER 3415	DRG. Nº EB 20121		
		CHECKED	Rupert Neve & Company Ltd.		1974 ©		A4

NM

EB 20121

EK 20150

DRAWING Nº
EK 20150



DIAMOND 'H' SWITCH 3P 6W

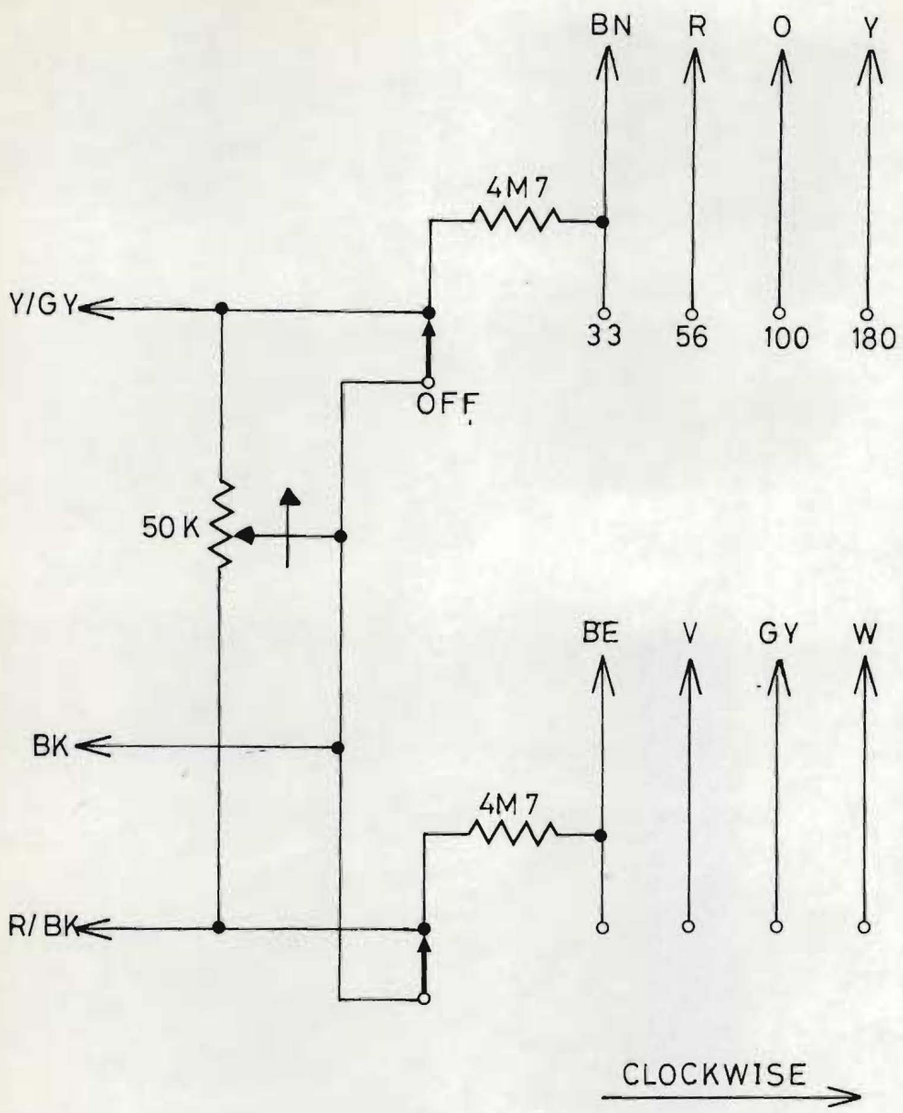
SO 585

	1	ISSUE	FIRST USED ON	MAT'	TOL UNLESS OTHERWISE STATED: LINEAR ± ANGULAR ± HOLES +0 -0
	22 AUG 74	DATE	DRN WR	FINISH	3RD ANGLE PROJ. DIMS IN SCALE
		CHANGE NOTE Nº	TRACED JDC	TITLE 3115 HP FILTER SWITCH ASSEMBLY	DRG Nº EK 20150
		CHECKED	CHECKED	Rupert Neve & Company Ltd	1974 © A3

NM

EK 20150

EK 20151

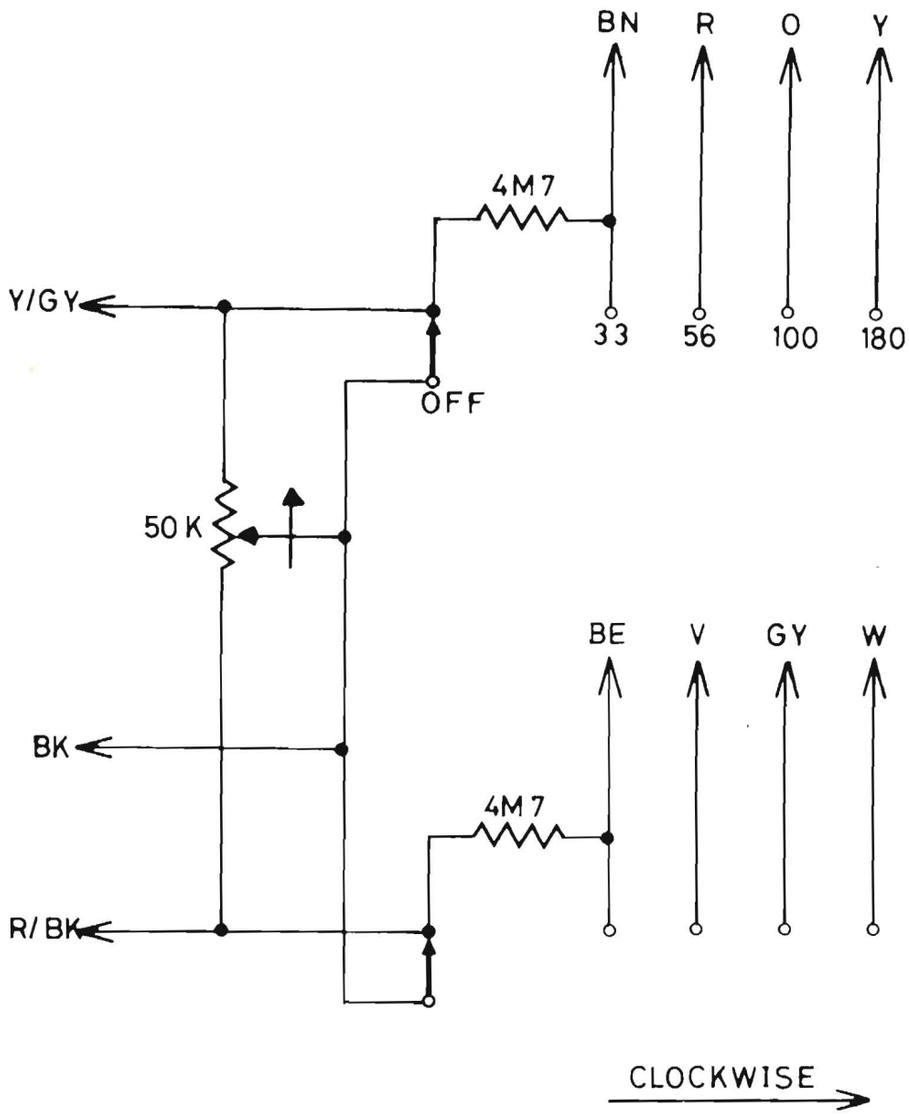


	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +.005 −.000
	22.8.74.	DATE	DRN. W.R.	FINISH	3RD ANGLE PRJ.	DIMS IN	SCALE
		CHANGE NOTE Nº	TRACED J.D.C.	TITLE 3115 BASS SWITCH ASSEMBLY	DRG. Nº EK 20151		
			CHECKED W.V.K.				
		CHECKED	Rupert Neve & Company Ltd.		1974 ©		A4

NM7828

EK 20151

EK 20151 SEE BACK

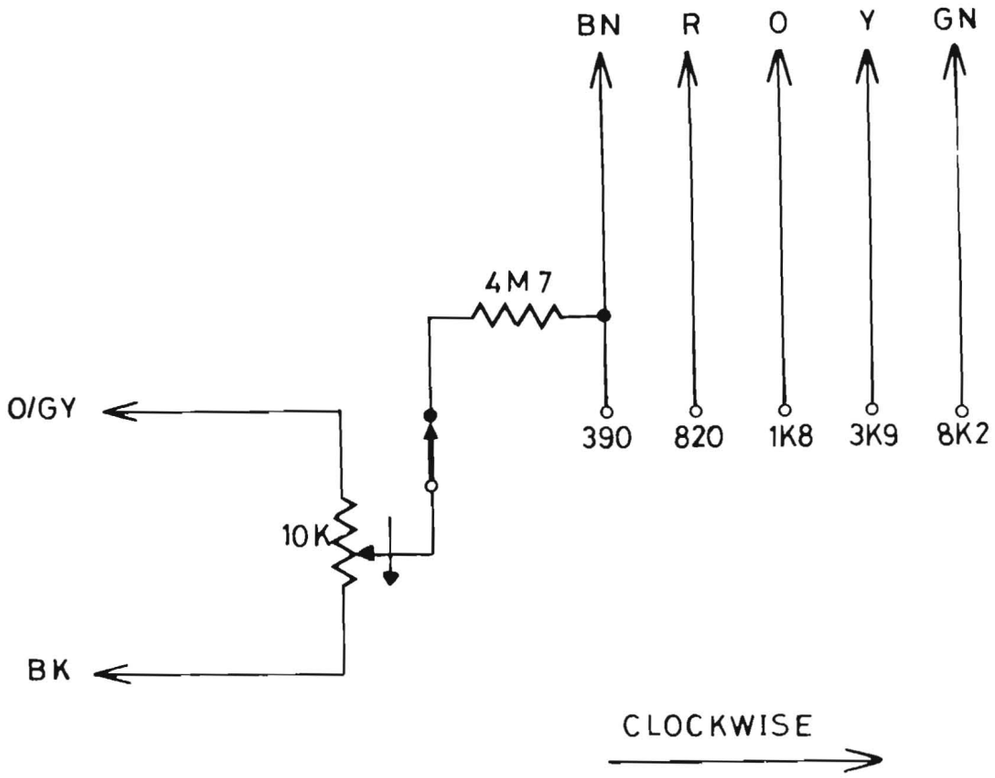


	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +.005 −.000
	22.8 74.	DATE	DRN W.R	FINISH	3RD ANGLE PRJ	DIMS IN	SCALE
		CHANGE NOTE Nº	TRACED JDC	TITLE 3115 BASS SWITCH ASSEMBLY	DRG. Nº EK 20151		
		CHECKED	CHECKED WVK				
			Rupert Neve & Company Ltd.		1974 ©		A4

NM7828

EK 20151

EK 20152

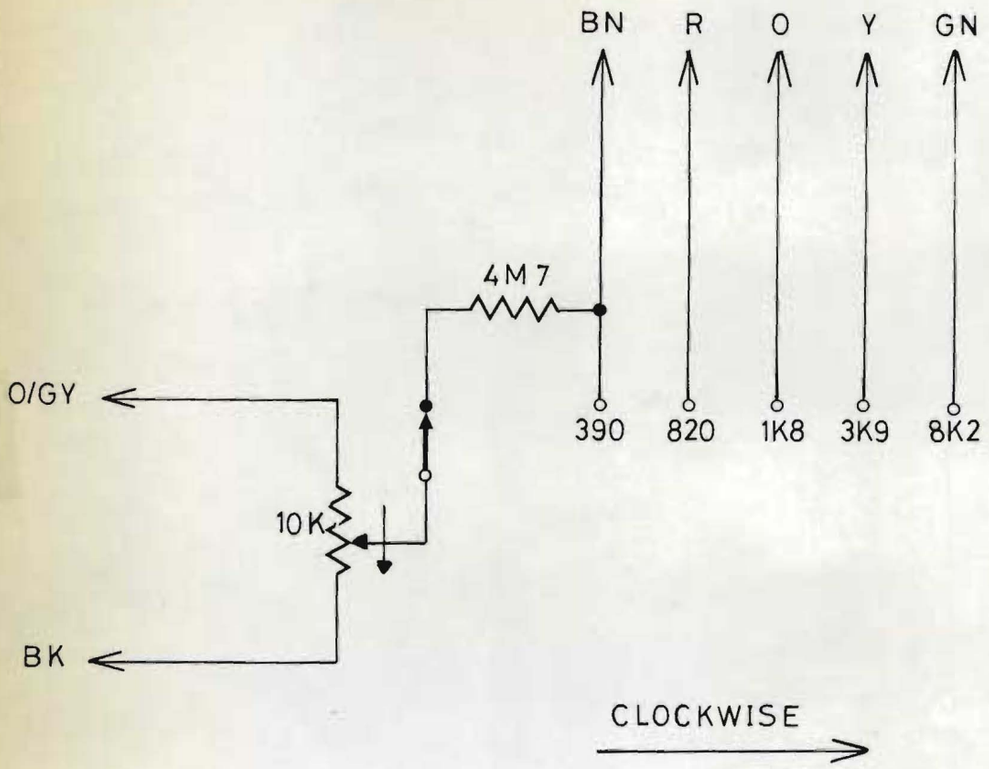


	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +.005 −.000
	22 8 74	DATE	DRN. WR	FINISH	3RD ANGLE PRJ.	DIMS IN	SCALE
		CHANGE NOTE Nº	TRACED JDC				
			CHECKED WVK	TITLE 3115 PRESENCE SWITCH ASSEMBLY	DRG. Nº EK 20152		
		CHECKED	Rupert Neve & Company Ltd.		1974 ©		A4

NM7828

EK 20152

EK 20152



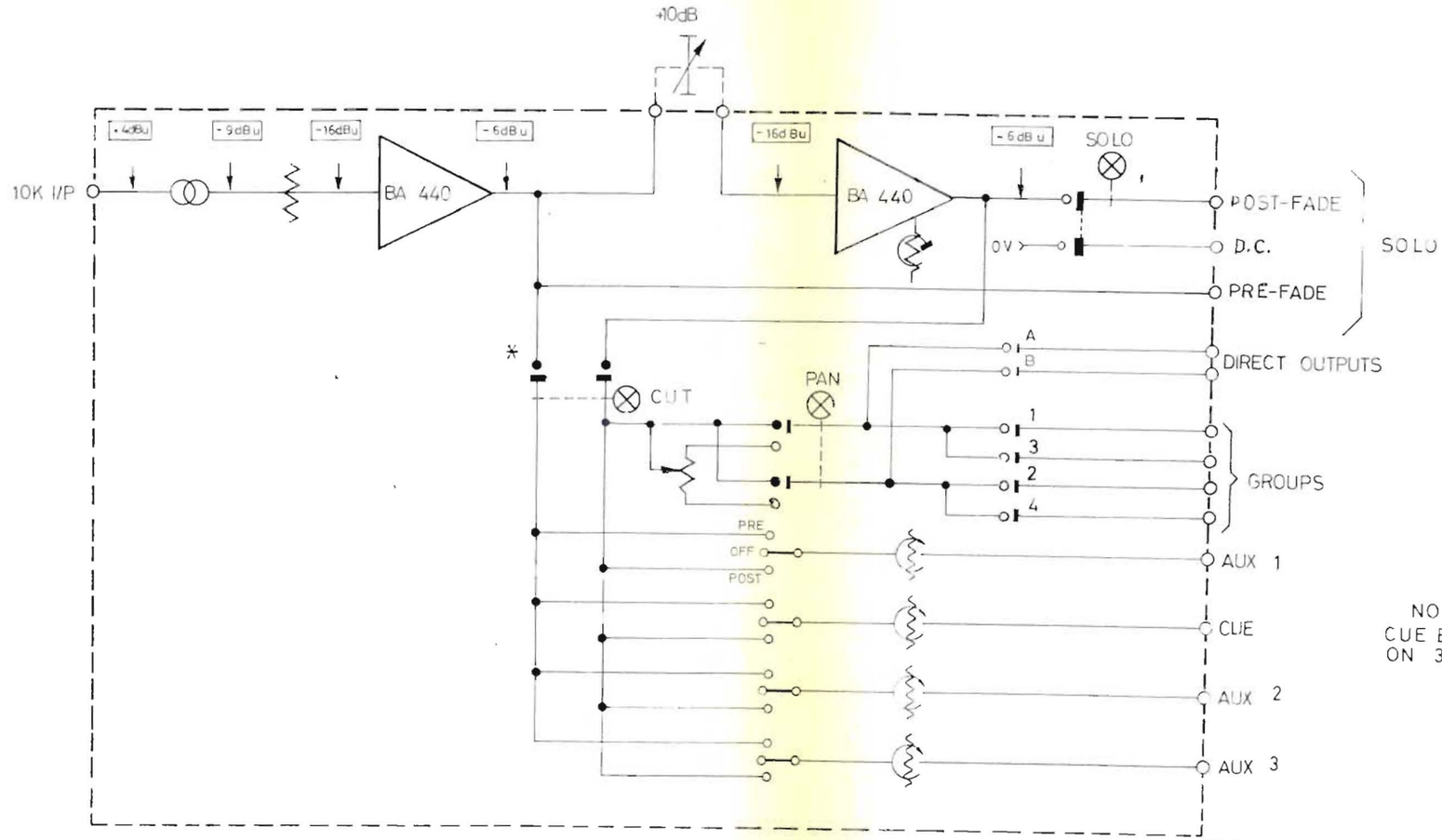
	1	ISSUE	FIRST USED ON	MATL.	TOL. UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +.005 −.000
	22 8 74	DATE	DRN. WR	FINISH	3RD ANGLE PRJ.	DIMS IN	SCALE
		CHANGE NOTE Nº	TRACED JDC	TITLE 3115 PRESENCE SWITCH ASSEMBLY	DRG. Nº EK 20152		
			CHECKED WVR				
		CHECKED	Rupert Neve & Company Ltd.		1974 ©		A4

NM7828

EK 20152

EB 20 261
SEE ALSO: ES 10189 +/A

DRAWING No.
EB 20261



NOTE
CUE BECOMES AUX 4
ON 33726 A

FRONT PANEL LAYOUT ML33726

ISSUE	3	2	1
DATE	26 AUG 77	2 MARCH 77	9 DEC 76
CHANGE NOTE Nº			
CHECKED			JH

FIRST USED ON A4236
DRN. JH
TRACED NN

MATL.
FINISH
TITLE 33726 & 33726 A SWITCHING UNIT

TOL UNLESS OTHERWISE STATED
LINEAR ± | ANGULAR | HOLES +0.13 −0
3rd ANGLE PRJ. | DIMS IN | SCALE

DRG. No. EB 20261

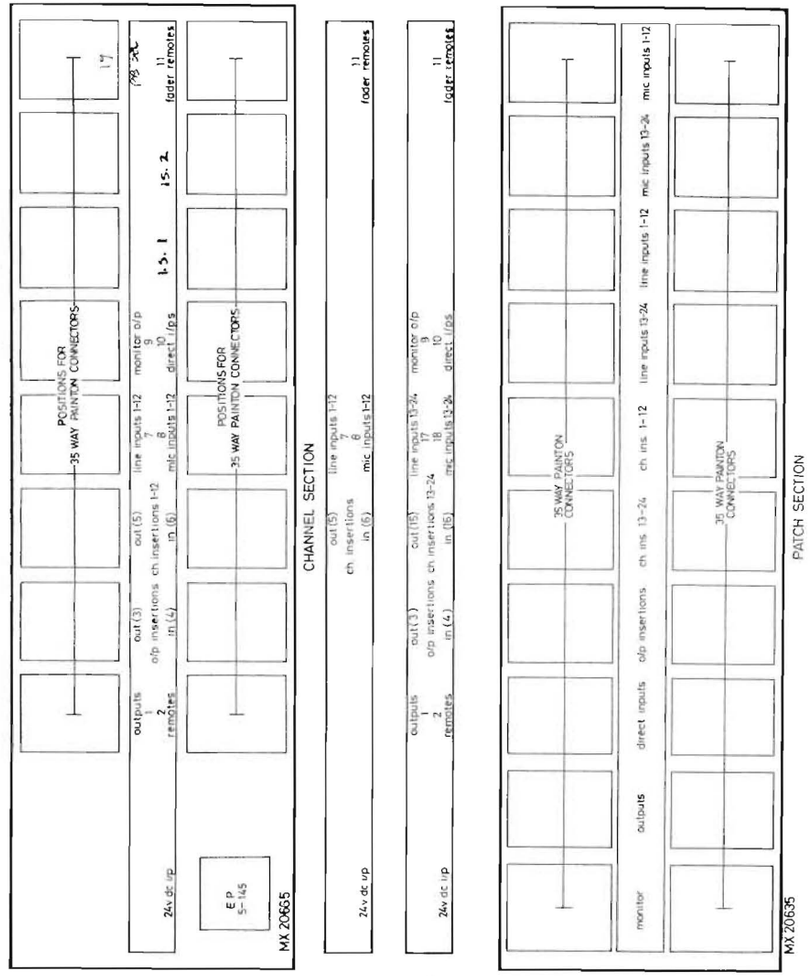
Rupert Neve & Company Ltd. 1976 © A3

MY 54665R

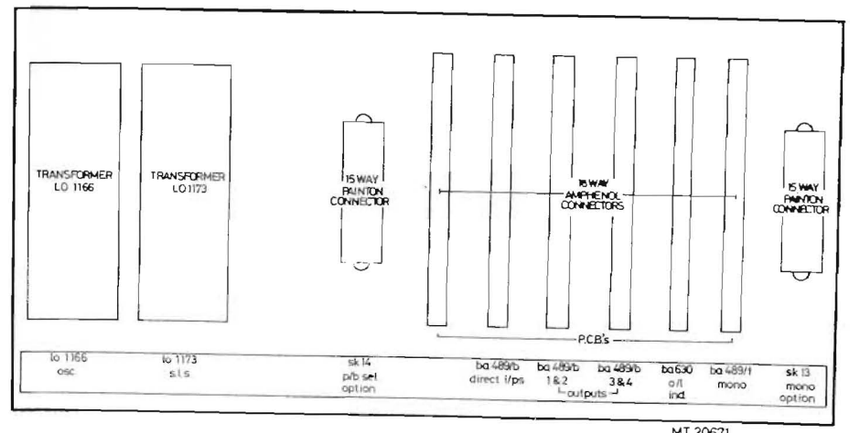
EB 20261

MZ21047

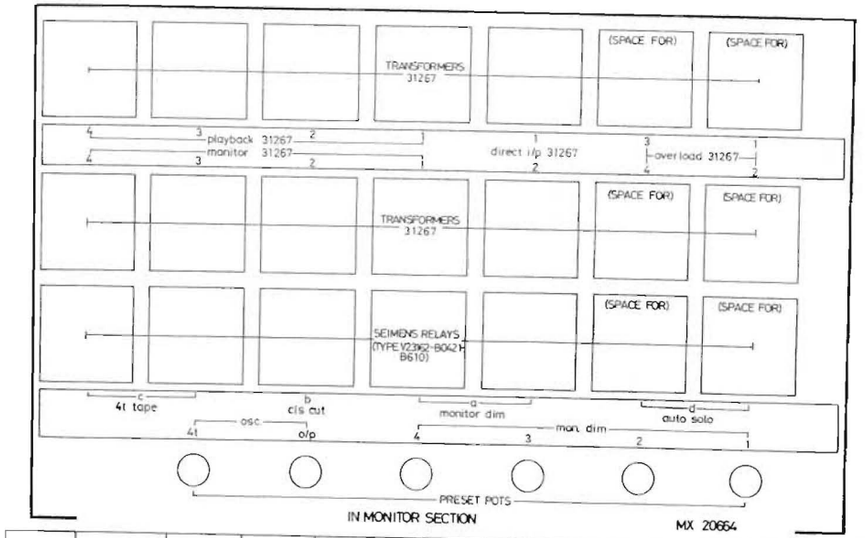
DRAWING No.
MZ21047



FOR 12 CHANNEL CONSOLE, USE DESIGS. A.
FOR 24 CHANNEL, SWAP SCRIBBLE PANELS SO THAT CONSOLE NUMBERS FROM LEFT TO RIGHT, AND USE DESIGS. C & B IN CENTRE AND LEFT-HAND CONSOLE SECTIONS RESPECTIVELY



IN CHANNEL SECTION



IN MONITOR SECTION

6	5	4 REDRAWN	ISSUE	FIRST USED ON 5315	MATL	TOL UNLESS OTHERWISE STATED: LINEAR · ANGULAR · HOLES +0.0 -0
21 JAN '80	17 OCT 78	1 FEB 78	DATE	DRN. DLW	FINISH	3rd ANGLE PROJ. · DIMS. IN · SCALE n.t.s.
CONNECTOR TYPES SHOWN	50211		CHANGE NOTE No	TRACED AH	TITLE INTERNAL LAYOUTS	DRG. No. MZ21047
			CHECKED	CHECKED	Rupert Neve & Company Ltd.	1978 © A2

MT 54003 B

ML 33115

DRAWING No.

ML 33115

INFORMATION USED
BY TECHNICAL HANDBOOKS
SECTION

S3 SENSITIVITY.

RV1 TREBLE

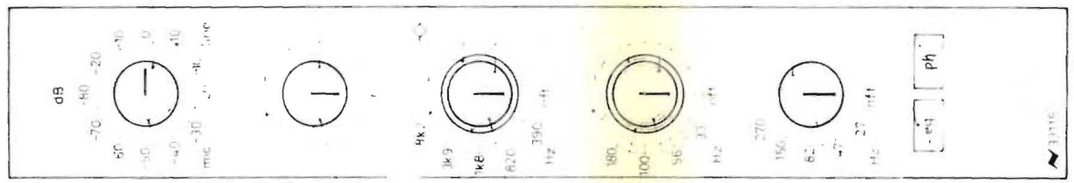
S4
RV2 PRESENCE

S5
RV3 BASS

S6 HIGH PASS FILTER

S1 EQUALISATION IN/OUT
S2 PHASE REVERSAL

ITEM	DETAIL
1	14 mm ALI KNOB - DARK BLUE CAP
2	14 mm ALI KNOB - MEDIUM BLUE CAP
3	18 mm ALI KNOB
4	14 mm ALI KNOB - LIGHT BLUE CAP
5	(ISOSTAT) 10mm CAP - GREY FILLED BLACK



35 (1·37")

219 (8·62")

SIZE CODE 35 DP

ISSUE	DATE
4 REDRAWN	21 JAN 80

FIRST ISSUED ON A3 REF 7

DRN PJV

TRACED ACL

CHECKED

CHANNEL AMPLIFIER 33115
FRONT PANEL LAYOUT

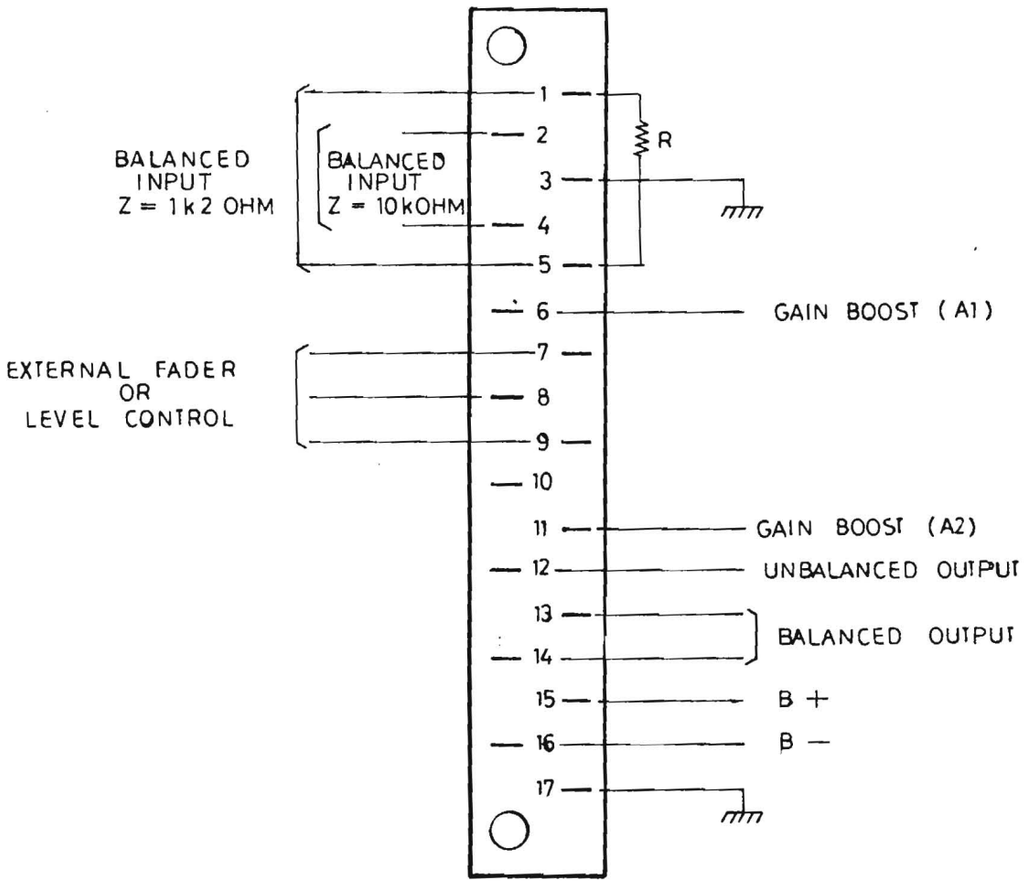
UNLESS OTHERWISE STATED DIMENSIONS ARE IN mm

ORG No ML 33115

Rupert Neve & Company Ltd. 1980 © A3

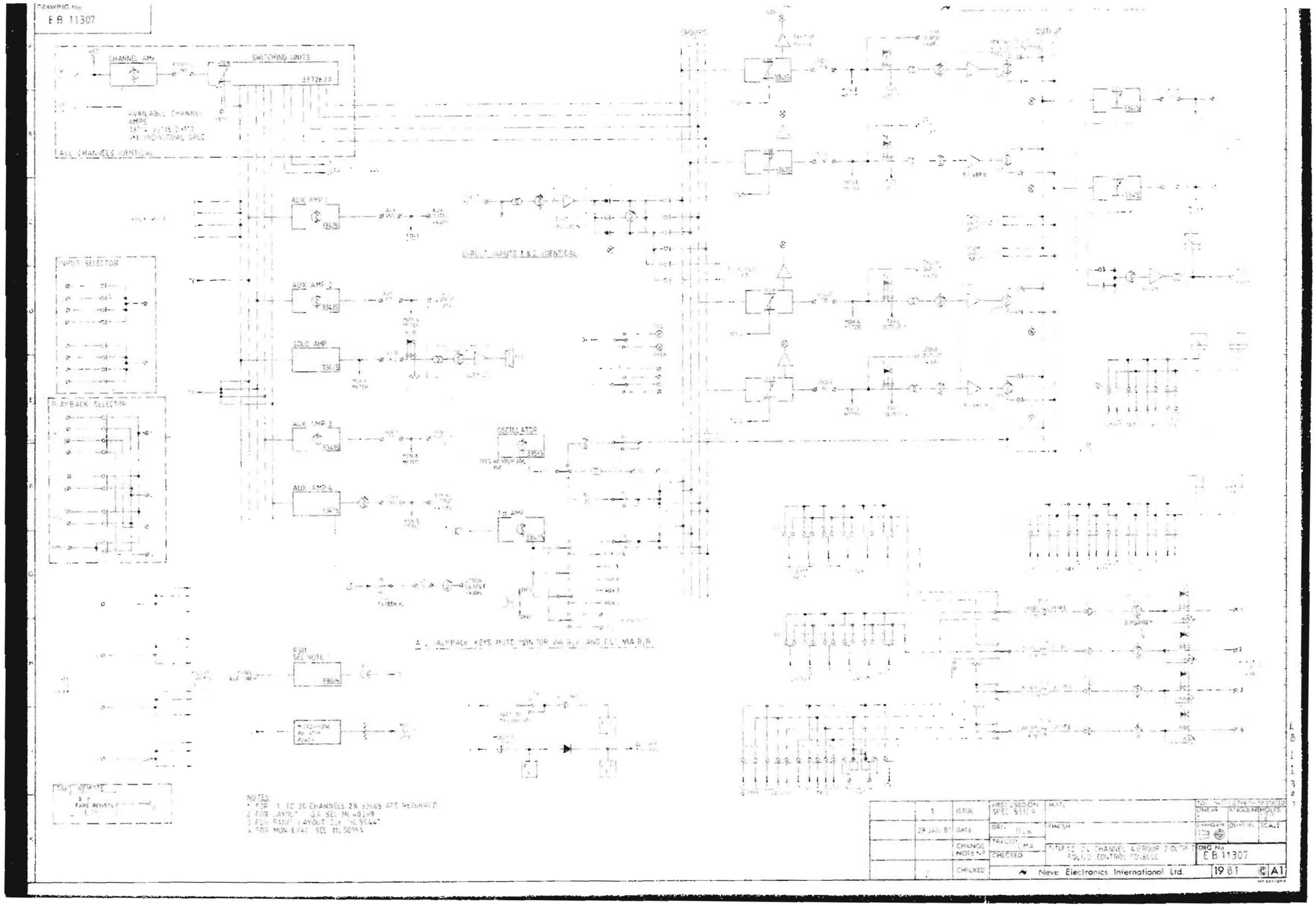
33415/A

REAR CONNECTOR LAYOUT



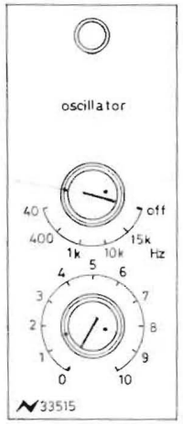
NOTE: FOR 10kOHM INPUT ONLY
ADD A 470 RESISTOR AS SHOWN

33415/A


DRAWING No.
E B 11307
CHANNEL AMP
SWITCHING UNITS
33726/3
AVAILABLE CHANNEL AMPS
ALL CHANNELS IDENTICAL
AUX AMP 1
AUX AMP 2
SOLO AMP
AUX AMP 3
AUX AMP 4
OSCILLATOR
INPUT SELECTOR
PLAYBACK SELECTOR
FADER REMOTE
OUTPUT
OUTPUTS 1 & 2 IDENTICAL
NOTES:
1. FOR 1 TO 36 CHANNELS 2X 33605 ARE REQUIRED
2. FOR LAYOUT OF SEL MUTE SEE ML 40189
3. FOR PANEL LAYOUT SEE ML 50244
4. FOR MON & PAT SEL SEE ML 50195
A - PLAYBACK KEYS MUTE MON FOR AUX 1-2 AND FLI MAP B
1
ISSUE
FIRST ISSUED ON SPEC 5316 A
MATL
UNLESS OTHERWISE STATED
LINEAR
ANGULAR
HOLES
28 JAN 81
DATE
DRN
FINISH
WEIGHT
SCALE
CHANGE NOTE No.
TRACED
CHECKED
TITLE TO 24 CHANNEL AUTOMATED SOUND CONTROL CONSOLE
DRG No.
E B 11307
CHECKED
Neve Electronics International Ltd.
1981
A1

ML 33515 OSCILLATOR

DRAWING No.
ML33515



ITEM	DETAIL
1	MG21479/3 - 12 DIA KNOB -4mm BORE
2	MG21473 4 - 12 DIA KNOB -3mm BORE
3	MG21482/2 - CAP MED. BLUE

MODULE SIZE : A01

	1	ISSUE	FIRST USED ON A3607	MATL.	TOL UNLESS OTHERWISE STATED		
	16 3 76	DATE	DRN. DAS	FINISH	LINEAR + −	ANGULAR −	HOLES + 0.13 − 0
		CHANGE NOTE No	TRACED		3rd ANGLE PRJ	DIMS. IN MM	SCALE 1:1
		CHECKED	CHECKED PML	TITLE OSCILLATOR FRONT PANEL LAYOUT 33515	DRG. No. ML33515		
				Rupert Neve & Company Ltd.	1976	@ A3	

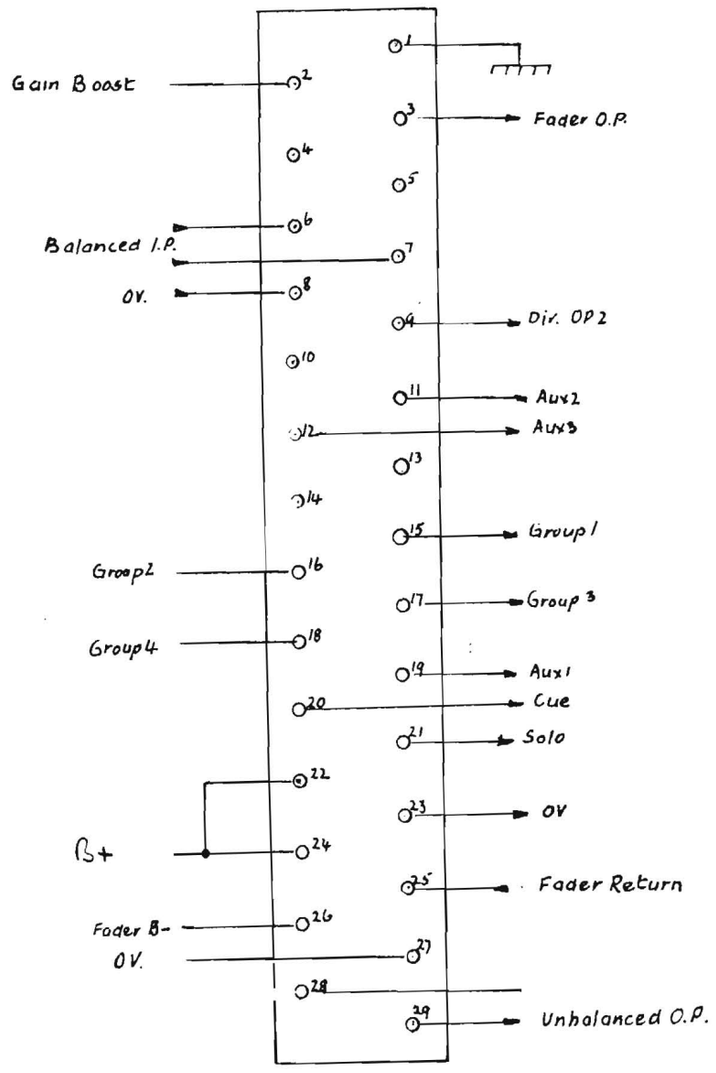
MY 346632

ML 33515

33104H

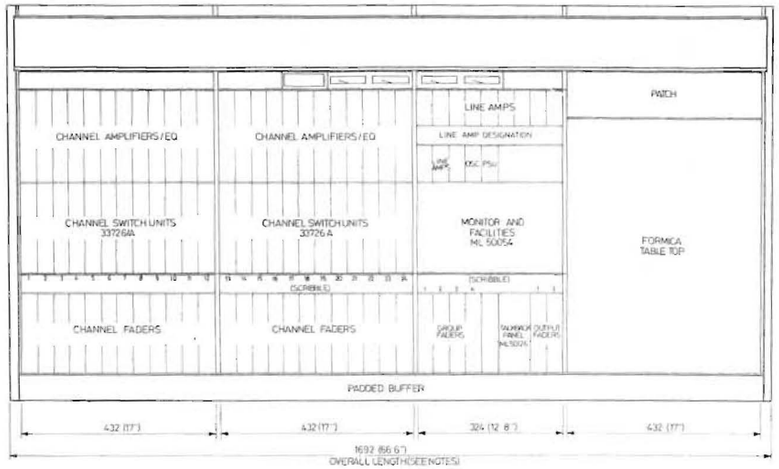
GROUP SWITCHING UNIT

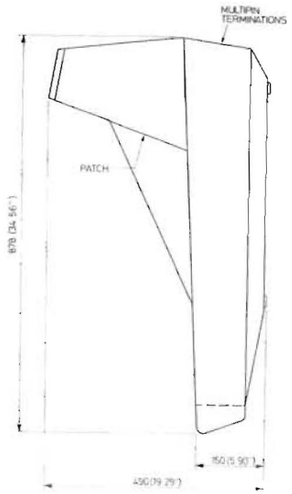
REAR PANEL CONNECTOR 33726A

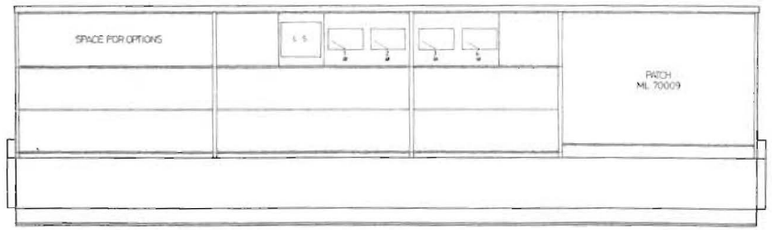


33726A

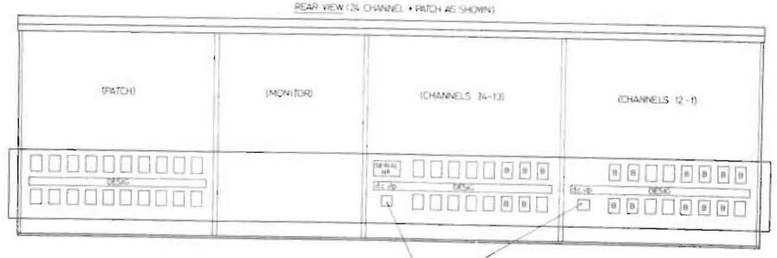
DRAWING No.
ML 40026 SHT 1OF 2







REAR VIEW (24 CHANNEL + PATCH AS SHOWN)



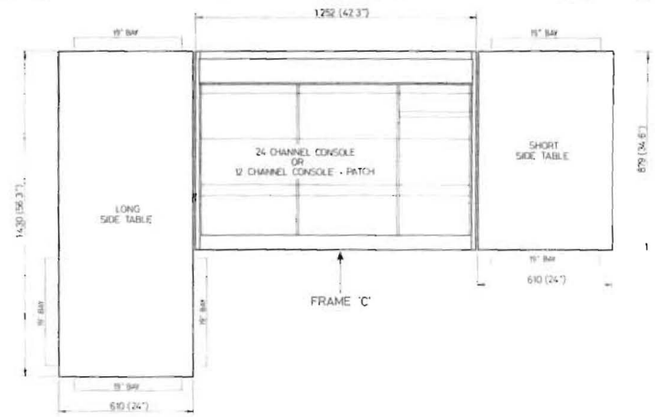
FOR CONNECTOR DESIGNATIONS
REFER TO MZ 2107
ALL CONNECTOR POSITIONS TO ACCEPT
35 WAY PAINTON EXCEPT WHERE SHOWN
B-BLANKING PLATE FITTED

NOTES
1. FOR GENERAL ASSY DRAWINGS SEE ML 40026 SHT 2
2. BLACK SIMULATED LEATHER FRONT BUFFER.
3. BELFORT TRUWOOD SAPELE TRIM (TOP & SIDES)
4. DOVE GREY FORMICA TABLE TOP
5. METERS MAY BE VU OR PPM (SIFAM 22F ILLUMINATED)
6. OVERALL LENGTHS - a) 12 CHANNEL CONSOLE ——— 812 (32")
b) 12 CHANNEL CONSOLE WITH PATCH 1252 (49.3")
c) 24 CHANNEL CONSOLE ——— 1252 (49.3")
d) 24 CHANNEL CONSOLE WITH PATCH 1692 (66.6")
7. FOR OPTIONS SEE EB 10944 SHT 2 & ML 50080
8. FOR CONSOLE BLOCK DIAGRAM SEE EB 10944 SHT 1
9. OVERLOAD LED'S BELOW METERS - RED

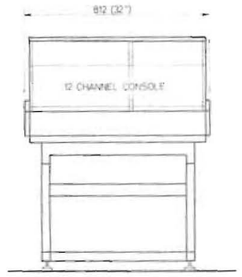
	6 REDRAWN	ISSUE	FIRST USED ON SPEC 5315	MATL	TOL UNLESS OTHERWISE STATED LINEAR -	ANGULAR - NOTES * (1)
	21 JAN'80	DATE	DRN D.J.O	FINISH	THIRD ANGLE PROJ	DIMS IN mm / SCALE 1:5
	REAR VIEW ADDED	CHANGE NOTE NO.	TRACED ADL	TITLE 12/24 CHANNEL 4 GROUP, 2 MAIN O/P SOUND CONTROL CONSOLE LAYOUT	DRG No. ML 40026 SHT 1 OF 2	
		CHECKED	CHECKED	Neve Electronics International Ltd.	1980	© A1

NL 40026 1 OF 2

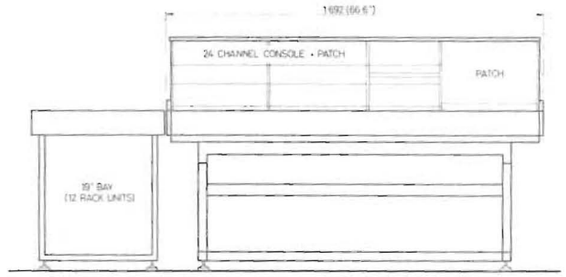
DRAWING No.
ML 40026 SH 2 OF 2



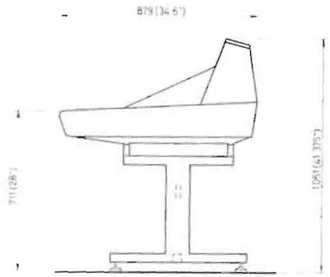
FRAME 'A'

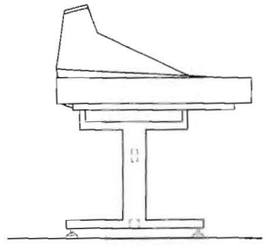


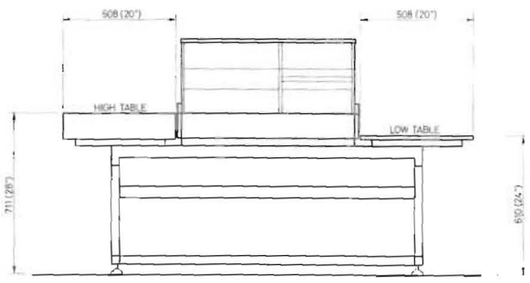
FRAME 'B'

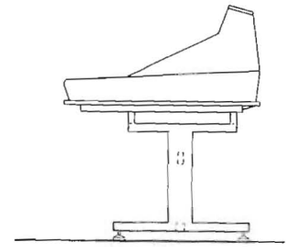


FRAME 'D'









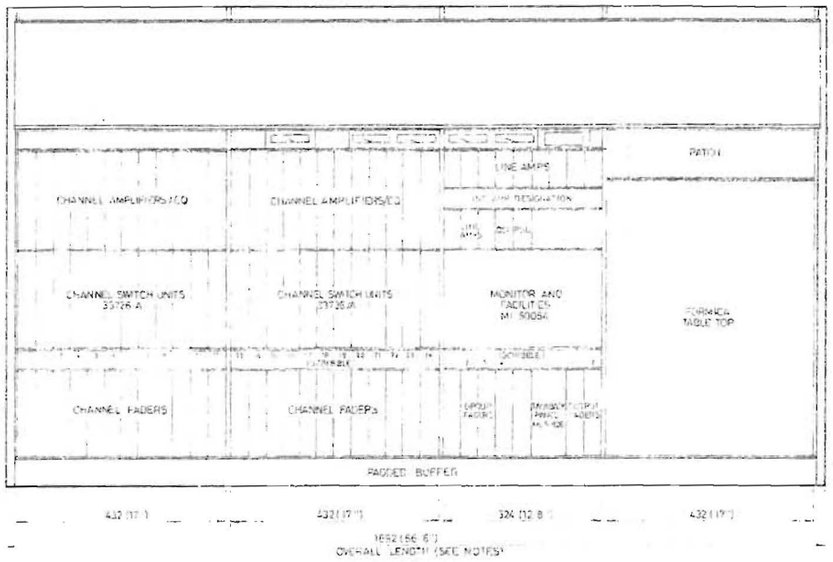
FRAME 'D'

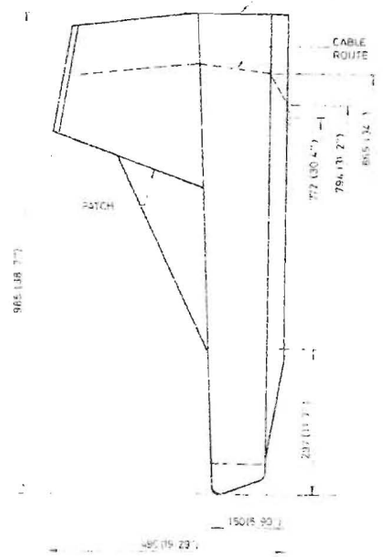
3	2 REDRAWN	ISSUE	FIRST USED ON 5315	MAT'L	TOL UNLESS OTHERWISE STATED LINEAR	ANGULAR	HOLES
31 MAY 79	15 DEC 78	DATE	DRN PJV	FINISH	3rd ANGLE PR.	DIMS IN mm	SCALE 1:10
	NO DESIGN CHANGE	CHANGE NOTE No	TRACED AH	TITLE CONSOLE GENERAL ASSEMBLY	DRG No. ML 40026 SH 2 OF 2		
	PJV	CHECKED	CHECKED	Neve Electronics International Ltd.	1978		

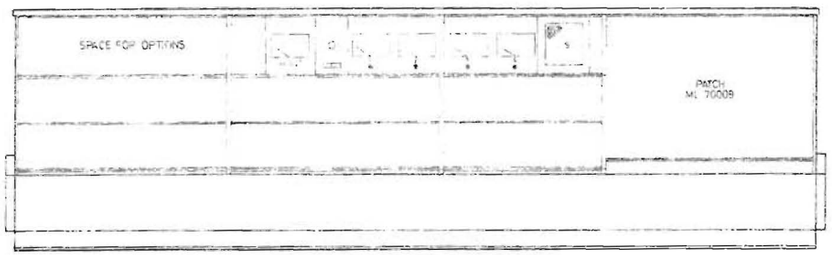
ML 40026 2 OF 2

ML 40269 1 OF 2

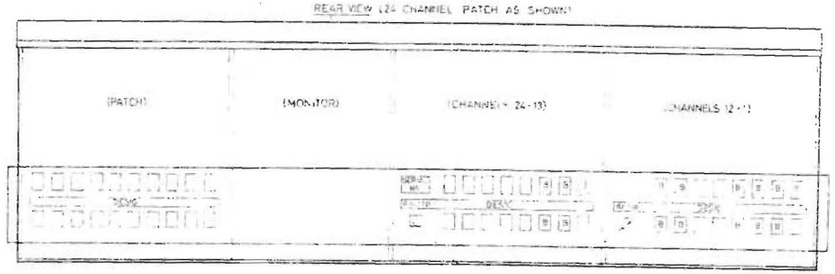
DRAWING No
ML 40269 SHT 1 OF 2







REAR VIEW L24 CHANNEL PATCH AS SHOWN



EPS CONNECTOR

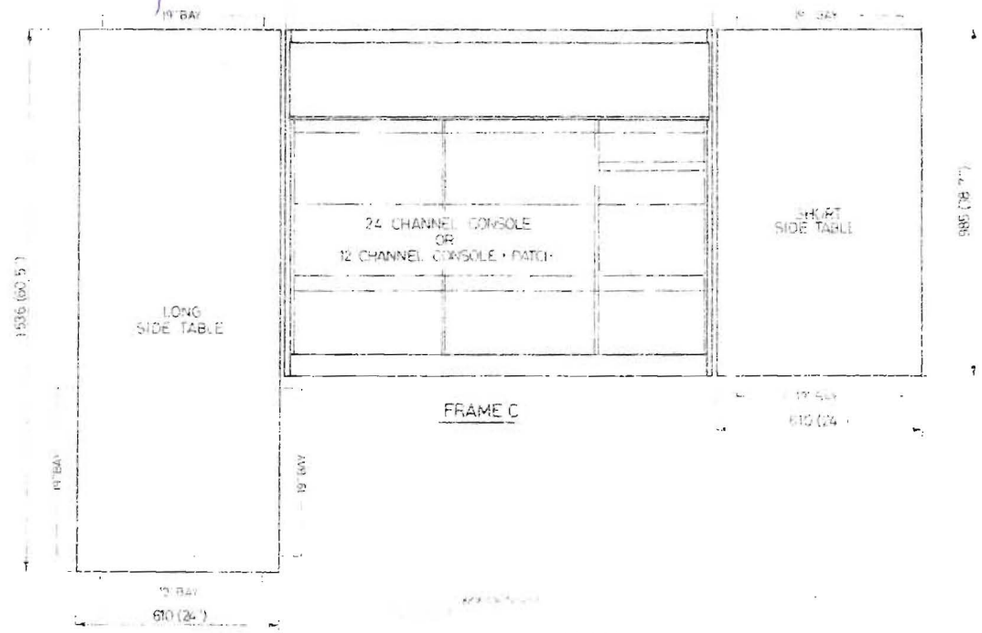
FOR CONNECTOR DESIGNATIONS REFER TO ML 21047
ALL CONNECTOR POSITIONS ACCEPT 3.5 W/P FAINTON EXCEPT WHERE SHOWN
B=BLANKING PLATE FITTED

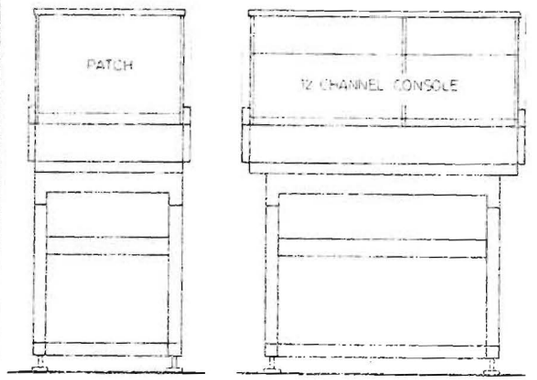
NOTES:
1. FOR GENERAL ASSY DRAWINGS SEE ML 40280
2. BLACK SIMULATED LEATHER FRONT BUFFER
3. BELFORT TRUWOOD SAPELE TRIM (TOP & SIDES)
4. DOVE GREY FORMICA TABLE TOP
5. METERS (MAY BE V.U. OR PPM (SIFAM 22F (ILLUMINATED)
6. OVERALL LENGTHS: a) 12 CHANNEL CONSOLE — 1652 (65.1")
b) 12 CHANNEL CONSOLE WITH PATCH 1252 (49.3")
c) 24 CHANNEL CONSOLE — 1252 (49.3")
d) 24 CHANNEL CONSOLE WITH PATCH 1592 (46.6")
7. FOR SWITCHES SEE ML 50147
8. FOR CONSOLE BLOCK DIAGRAM SEE ML 50147
9. OVERLOAD, S.E.D.'S BELOW METERS (SEE)
10. PATCH PANEL FOR 12 CHANNEL CONSOLE ML 70008A

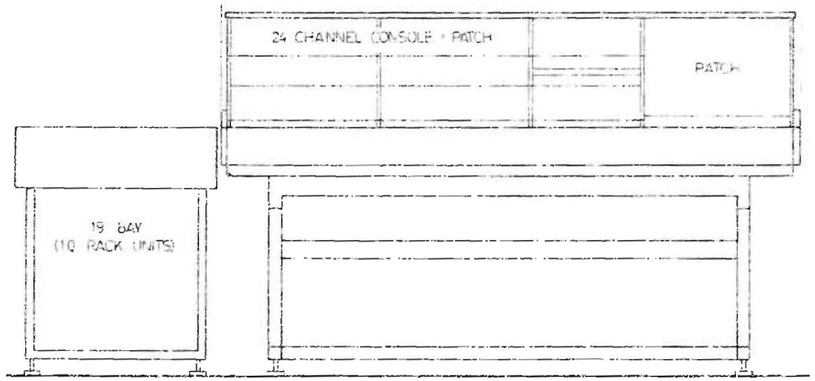
	A	ISSUE	FIRST USED ON SPEC 5315A	MAT'L	UNLESS OTHERWISE STATED: LINEAR	ANGULAR / HOLES
25 JAN 81	16 OCT 80	DATE	DRN DJG	FINISH		
		CHANGE NOTE No	TRACED CMA	TITLE 12/24 CHANNEL + GROUP 2 MAIN OP	IMPERIAL / METRIC	DIMS IN mm / SCALE 1:5
			CHECKED			DRG No ML 40269

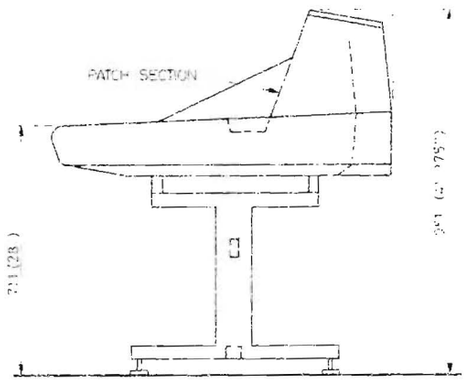
Q12

DRAWING No
ML 40269 SHT 2 OF 2









DERIVED FROM ML 40020

					TOL UNLESS OTHERWISE STATED		
1	A	ISSUE	FIRST USED ON 5315A	MATL.	LINEAR	ANGULAR	HOLES
29 JAN 81	15 OCT '80	DATE	DRN AGB	FINISH	3rd ANGLE PROJ	DIMS IN mm	SCALE 1 10
		CHANGE NOTE Nº	TRACED AGL	TITLE CONSOLE GENERAL ASSEMBLY	DRG No ML 40269 SHT 2 OF 2		
		CHECKED	CHECKED	Neve Electronics International Ltd.	1980 ©	A2	

MY A55652 R

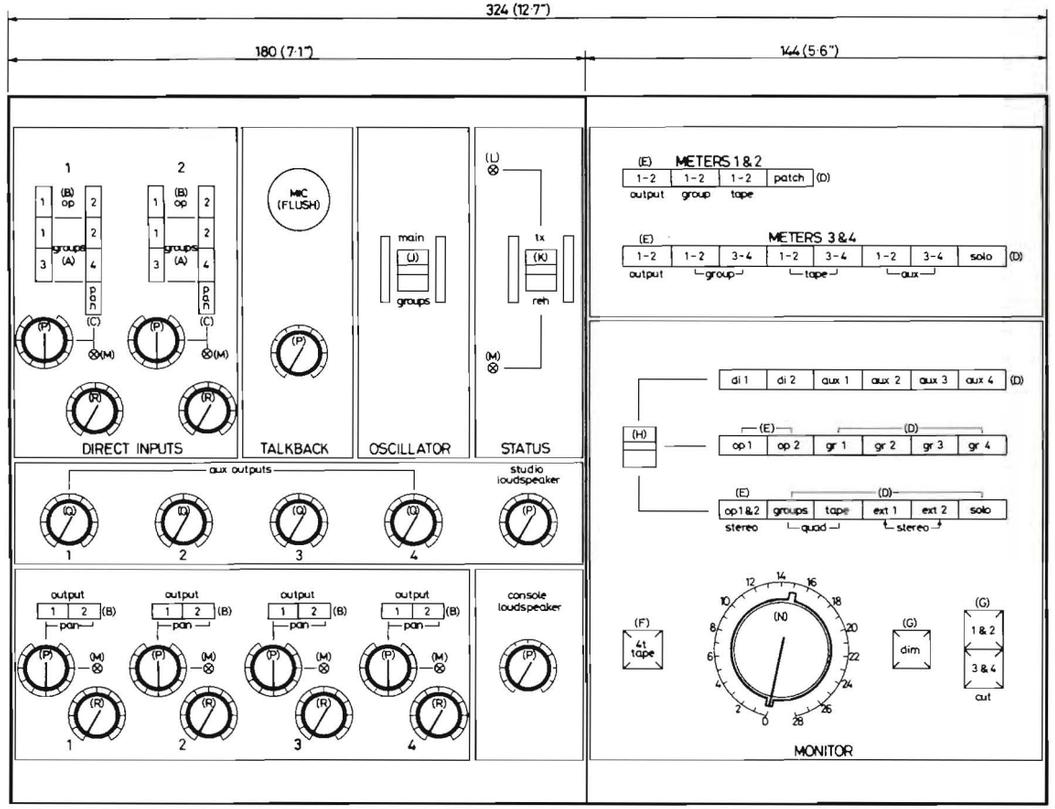
711

L 40269

2 of 2

ML 50054

DRAWING No.
ML50054



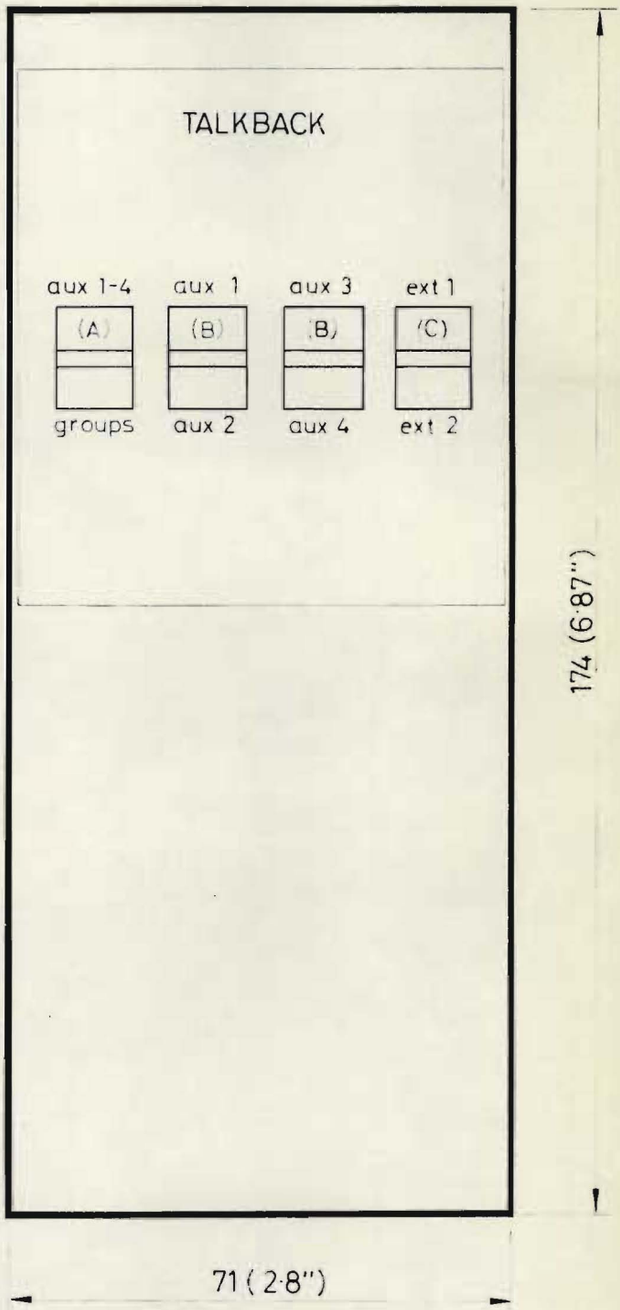
ITEM	DETAIL
A	10 mm PB (ISOSTAT) - GREY FILLED BLACK.
B	10 mm PB (ISOSTAT) - BLACK FILLED WHITE.
C	10 mm PB (ISOSTAT) - WHITE FILLED BLACK.
D	15 mm PB (ISOSTAT) - GREY FILLED RED.
E	15 mm PB (ISOSTAT) - BLACK FILLED RED.
F	12,5 mm PB (TJ ILLUMINATED) - WHITE FILLED BLACK.
G	12,5 mm PB (TJ ILLUMINATED) - RED FILLED WHITE.
H	KEYSWITCH CAP - GREY FILLED RED.
J	KEYSWITCH CAP - GREY FILLED WHITE. } GUARDED
K	KEYSWITCH CAP - RED. } GUARDED
L	LED - RED.
M	LED - GREEN.
N	31 mm KNOB - MEDIUM BLUE INSERT.
P	14 mm KNOB - MEDIUM BLUE INSERT.
Q	14 mm KNOB - LIGHT BLUE INSERT.
R	14 mm KNOB - DARK BLUE INSERT.

	3 REDRAWN	ISSUE	FIRST USED ON A5676 SPEC 5315 UPDATE	MATL. -	TOL. UNLESS OTHERWISE STATED LINEAR ± -	ANGULAR ±	HOLES + 0.13 - 0
	12 SEPT 78	DATE	DRN. DJO	FINISH	3rd ANGLE PROJ	DIMS. IN mm	SCALE 1:1
		CHANGE NOTE Nº	TRACED AH	TITLE MONITOR AND FACILITIES PANEL LAYOUT	DRG. No. ML50054		
	RNJ	CHECKED	CHECKED	Neve Electronics International Ltd.	1978 ©	A2	

ML 50054

ML 50126

ITEM	DETAIL
A	KEYSWITCH CAP. IVORY/RED.
B	" " IVORY.
C	" " GREY/GREEN.



	1	ISSUE	FIRST USED ON SPEC 5315	MATL	TOL. UNLESS OTHERWISE STATED		
					LINEAR ± −	ANGULAR	HOLES +0.13 −0
	27·7·77	DATE	DRN. DLW	FINISH	3rd ANGLE PR.	DIMS IN mm	SCALE 1:1
		CHANGE NOTE No.	TRACED NT				
			CHECKED	TITLE TALKBACK PANEL	DRG. No ML50126		
		CHECKED	Rupert Neve & Company Ltd. 1977		©	A4	

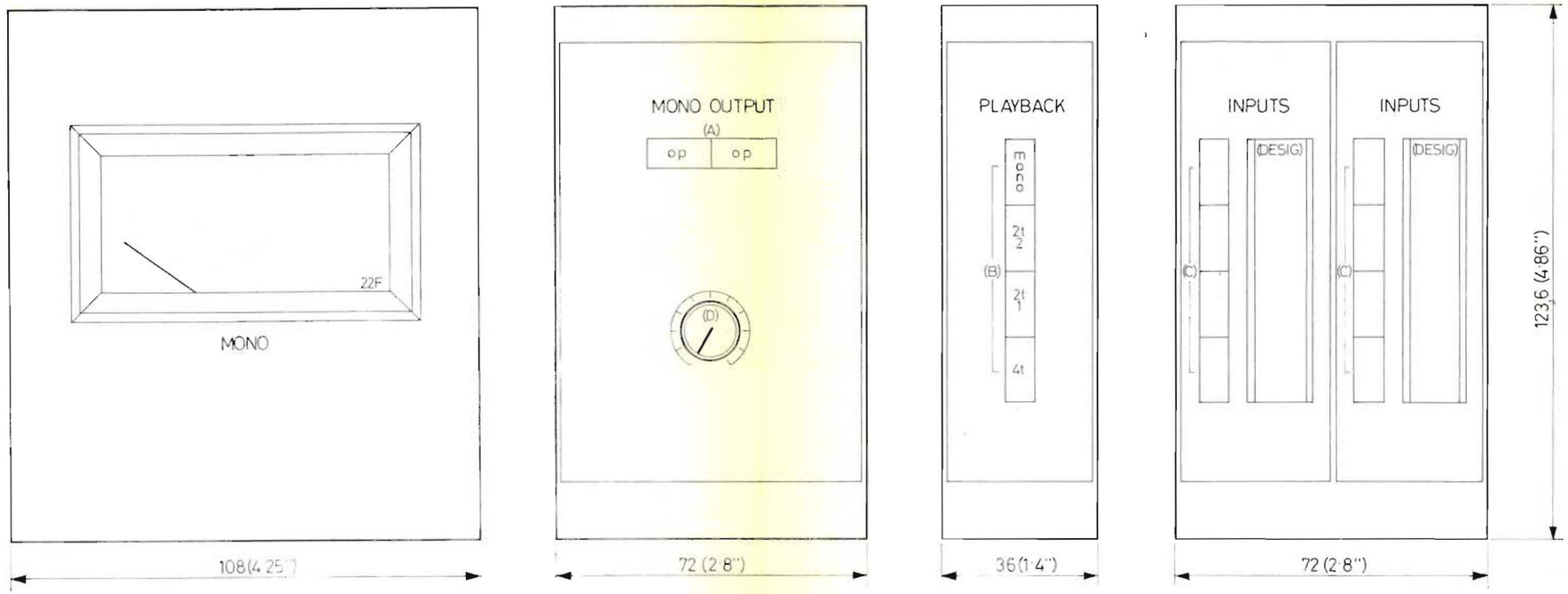
MY 54665R

ML 50126

DRAWING No.

ML 50447

OPTIONS



ITEM	DETAIL
A	15mm (ISOSTAT) CAP - BLACK FILLED WHITE.
B	" " " - GREY FILLED RED.
C	" " " - WHITE.
D	14mm DIA. ALI. KNOB - DARK BLUE INSERT.

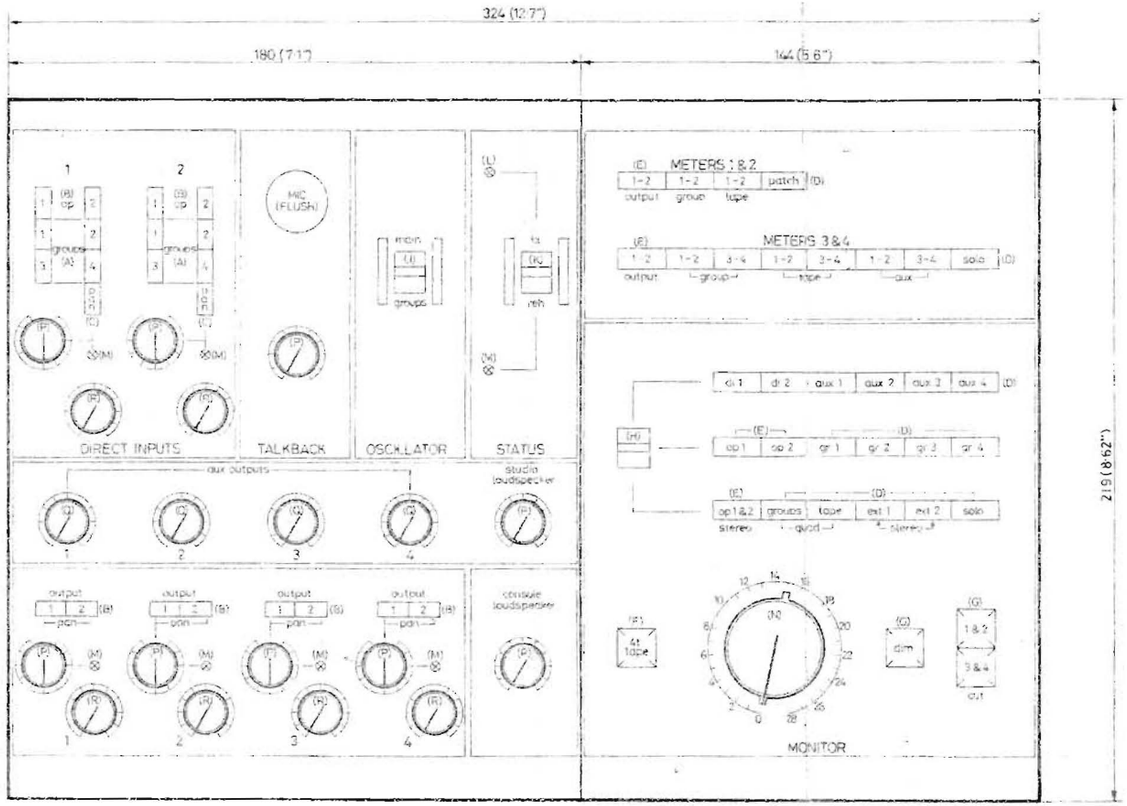
FOR BLOCK DIAG. SEE EB 11307

4	3 REDRAWN	ISSUE	FIRST USED ON SPEC 5315A	MATL.	TOL UNLESS OTHERWISE STATED		
					LINEAR ±	ANGULAR	HOLES +0.13 -0
26 · 1 · 81	10 JAN '80	DATE	DRN. D.J.O.	FINISH	3rd ANGLE PRJ	DIMS. IN mm	SCALE 1:1
		CHANGE NOTE No.	TRACED A.D.L.	TITLE 5315A PANEL LAYOUTS	DRG. No. ML 50447		
		CHECKED	CHECKED	Neve Electronics International Ltd.	1980 ©	A3	

MY A55653 R

ML 50447

DRAWING No.
ML50054



ITEM	DETAIL	
A	10 mm PB (ISOSTAT) - GREY FILLED BLACK	
B	10 mm PB (ISOSTAT) - BLACK FILLED WHITE	
C	10 mm PB (ISOSTAT) - WHITE FILLED BLACK	
D	15 mm PB (ISOSTAT) - GREY FILLED RED	
E	15 mm PB (ISOSTAT) - BLACK FILLED RED	
F	12,5 mm PB (TJ ILLUMINATED) - WHITE FILLED BLACK	
G	12,5 mm PB (TJ ILLUMINATED) - RED FILLED WHITE	
H	KEYSWITCH CAP - GREY FILLED RED	
J	KEYSWITCH CAP - GREY FILLED WHITE	GUARDED
K	KEYSWITCH CAP - RED	GUARDED
L	LED - RED	
M	LED - GREEN	
N	31 mm KNOB - MEDIUM BLUE INSERT	
P	14 mm KNOB - MEDIUM BLUE INSERT	
Q	14 mm KNOB - LIGHT BLUE INSERT	
R	14 mm KNOB - DARK BLUE INSERT	

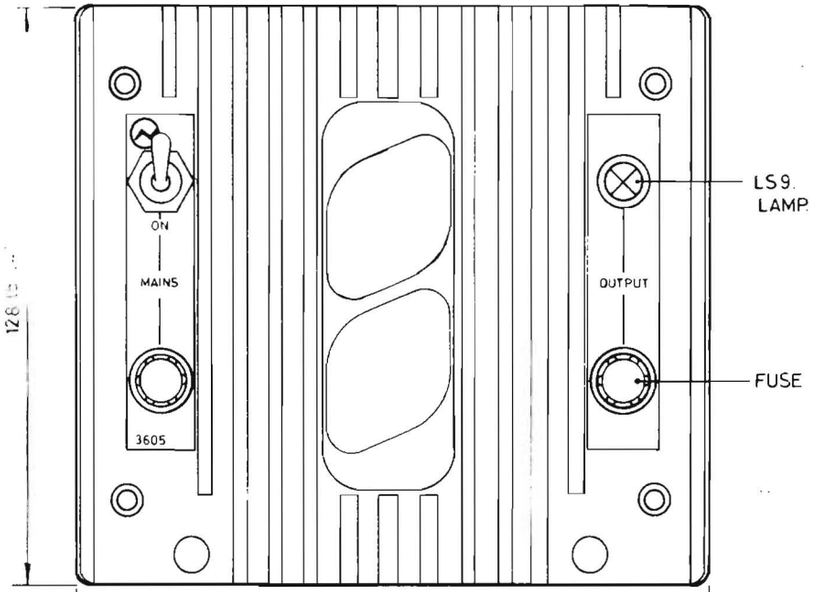
4	3 REDRAWN	ISSUE	FIRST USED ON A 5675 SPEC 5315 UPDATE	MATL	TOL UNLESS OTHERWISE STATED LINEAR ±	ANGULAR ±	HOLES ±
7 JULY '81	12 SEPT 78	DATE	DRN DJO	FINISH	ANGLES	DIMS IN mm	SCALE 1:1
		CHANGE NOTE NO	TRACED AH	TITLE MONITOR AND FACILITIES PANEL LAYOUT	DRG No. ML50054		
		CHECKED	CHECKED	Neve Electronics International Ltd.	1978	©	A2

ML 50054 1 1 ML 50054

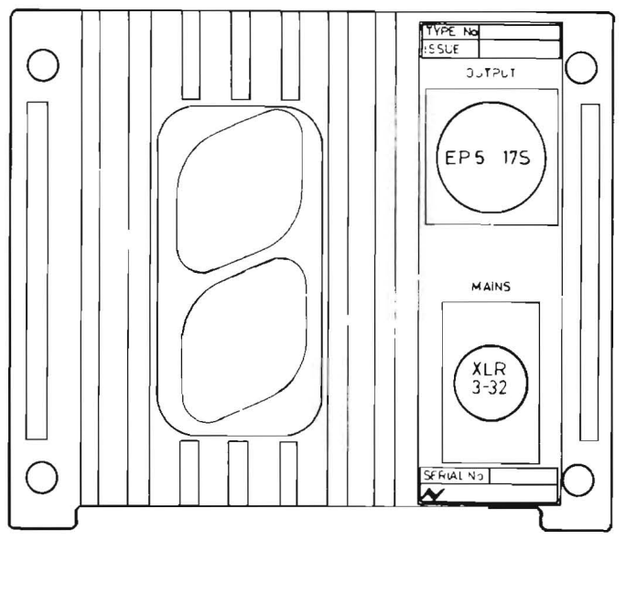
1	2	3	4	5	6

NG No.

ML61439



FRONT VIEW



REAR VIEW

NOTES:- 1) UNIT SUPPLIED STRAPPED FOR 110/220 V — TAPS AVAILABLE FOR 220/230/240 V A.C.

2) THIS PSU IS SUITABLE FOR USE FREE STANDING OR FOR 19" RACK MOUNTING IN A 5·25" HIGH RACK FRAME ASSEMBLY WHICH SUPPORTS 3 SIMILAR PSU MODULES

3) HEAT SINK PROTRUDES 29 mm (1·14") FORWARD FROM FRONT & REAR PANELS

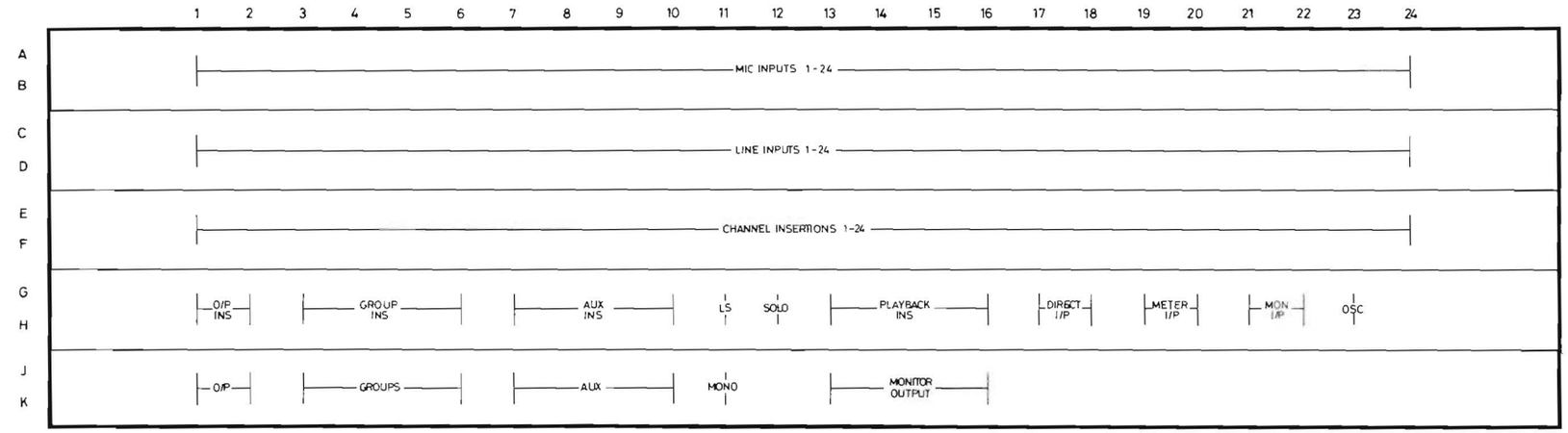
4) TOTAL DEPTH 398mm (15·67)

	1	ISSUE	FIRST USED ON A3707	MATL.	TOL. UNLESS OTHERWISE STATED	
	2-4-76	DATE	DRN. SCL	FINISH	LINEAR ±	ANGULAR / HOLES +0.13 -0
		CHANGE NOTE Nº	TRACED		3rd ANGLE PRJ.	DIMS. IN mm
		CHECKED	CHECKED PML	TITLE POWER SUPPLY 3605	SCALE 1=1	
			Rupert Neve & Company Ltd.		DRG. No. ML 61439	
					1976 ©	A3

MY 34665 R

ML 61439 / SEE ALSO: BA 358; BA 366; ET 10087; EX 10358;

ML70009



5	4	3	2	1	ISSUE
29 NOV 79	1 AUG. 78	28 JULY 77	25 APR 77	25 JAN 77	DATE
TITLE CHANGE & FIRST ISSUE	No 50184	osc change			CHANGE NOTE No
D/C.					CHECKED

FIRST USED ON 5315/24 | MATL. | TOL UNLESS OTHERWISE STATED: LINEAR - - | ANGULAR | HOLES + 0.13 - 0

DRN. DLW | FINISH | 3rd ANGLE PROJ. | DIMS. IN | SCALE

TRACED CH

CHECKED

TITLE TYPICAL JACKFIELD LAYOUT 5 ROW

DRG. No. ML70009

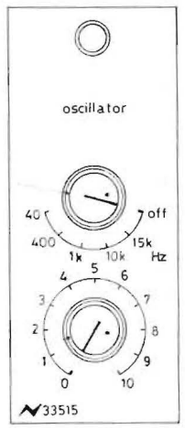
Rupert Neve & Company Ltd. | 1977 © | A2

MY 34005 E

ML70009

ML 33515 OSCILLATOR

DRAWING No.
ML33515



ITEM	DETAIL
1	MG21473/3 - 12 DIA KNOB - 4mm BORE
2	MG21473/4 - 12 DIA KNOB - 3½ BORE
3	MG21432/2 - CAP MEL BLUE

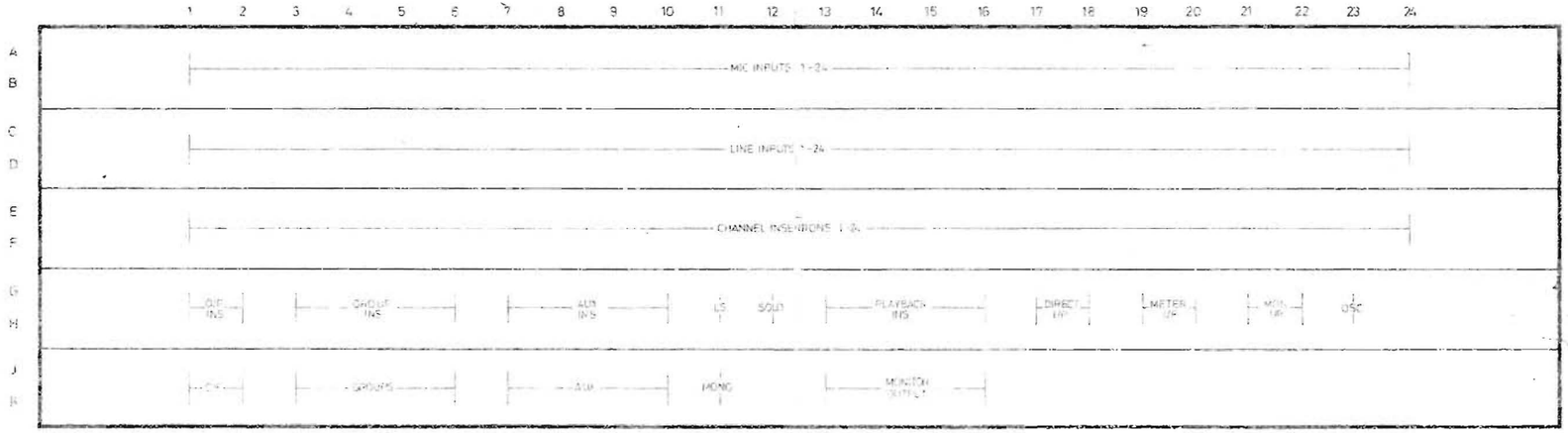
MODULE SIZE : A01

	1	ISSUE	FIRST USED ON A3607	MATL.	TOL UNLESS OTHERWISE STATED LINEAR ± — ANGULAR — HOLES +0.13 −0		
	16 3 76	DATE	DRN. DMS	FINISH	3rd ANGLE PRJ.	DIMS.IN	SCALE 1:1
	—	CHANGE NOTE Nº	TRACED				
		CHECKED	CHECKED PMH	TITLE OSCILLATOR FRONT PANEL LAYOUT 33515	DRG. No. ML33515		
				Rupert Neve & Company Ltd.	1976		A3

MY 346631

ML33515

DRAWING No
ML70009



5	4	3	2	1	ISSUE
29 NOV 79	1 AUG. 78	28 JULY 77	25 APR 77	25 JAN 77	DATE
	56184	osc change			CHANGE NOTE No
D/E					CHECKED

FIRST USED ON 5315/24
DRN DLW
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MAT'L
FINISH
TITLE TYPICAL JACKFIELD LAYOUT 5 ROW
TOL UNLESS OTHERWISE STATED LINEAR ANGULAR HOLES DIMS IN SCALE
DRG No ML70009

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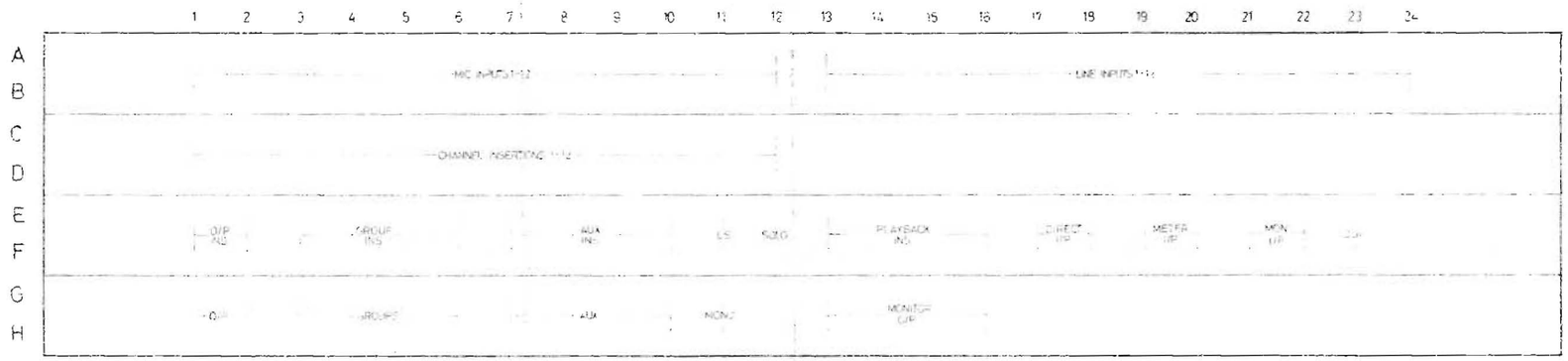
ML70009

DRAWING No.
ML 70009/A



	1	ISSUE	FIRST USED ON 5315/17	MATL.	TOL UNLESS OTHERWISE STATED LINEAR ±	ANGULAR ±	HOLES ±
	29NOV 79	DATE	DRN DJD	FINISH	DRAWING IN	DIMS IN	SCALE
		CHANGE NOTE NO	TRACED JAS	TITLE TYPICAL JACKFIELD LAYOUT 4 ROW	DRG No. ML 70009/A		
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