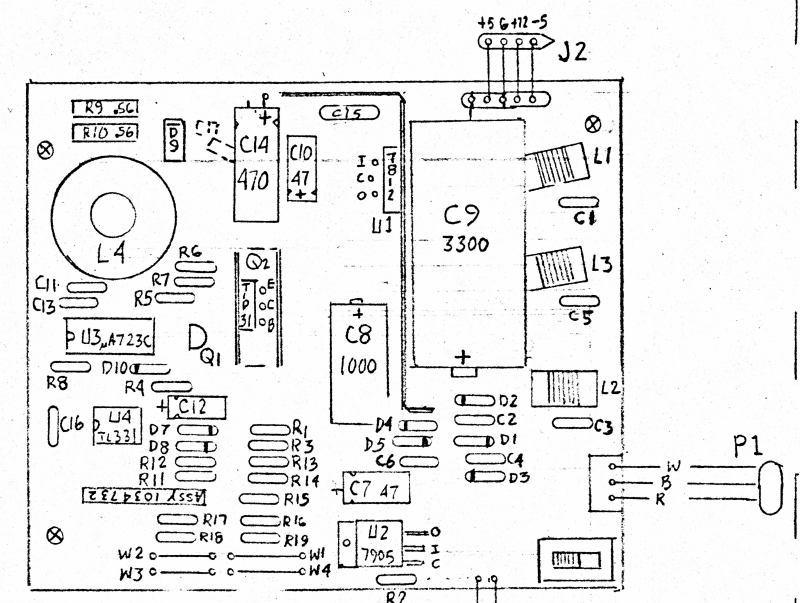
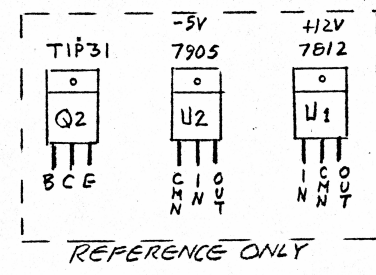
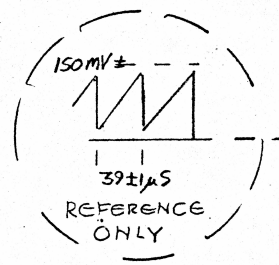
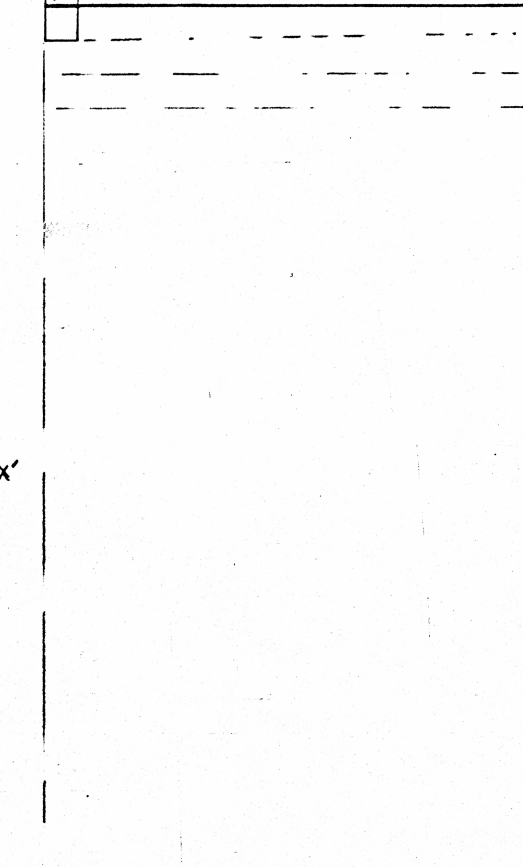
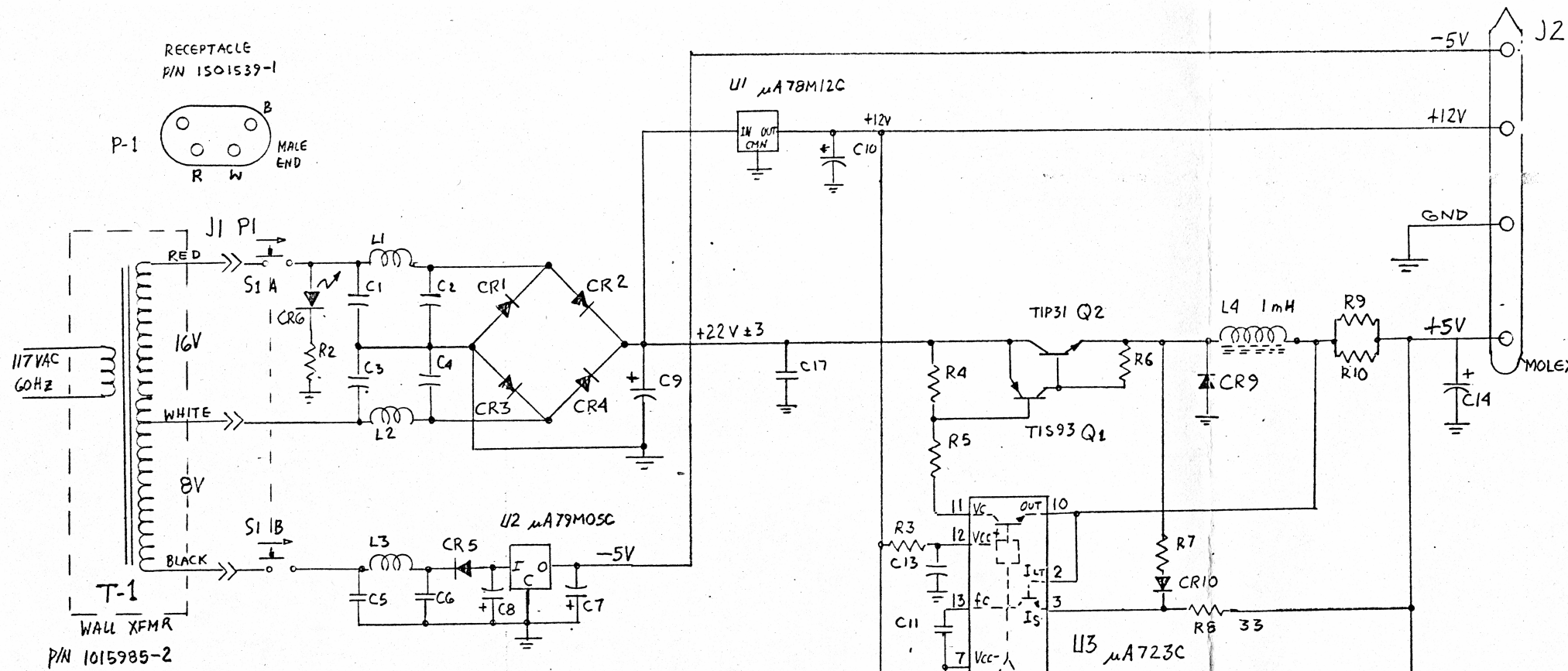


MATERIAL:		
PROCESSES:		
NEXT ASSEMBLY		
TOLERANCES UNLESS SPECIFIED		
DRAFTSMAN	DATE	.XXX ± .010
DESIGNER	DATE	.XX ± .020
CHECKER	DATE	.X ± .030
ENGINEER	DATE	ANGLES ± 1°
APPROVED	DATE	AXIS OF TAPPED HOLES 90° ± 1°
RELEASED	DATE	MACHINED DIAMETERS CONCENTRICITY 0.04 TYP
		REMOVE ALL BURRS AND SHARP EDGES
		ALL DIMENSIONS ARE IN INCHES
MOLE TOLERANCES		
0.33 THRU .25	± .04	SURFACE FINISH ✓
.126 THRU .250	± .005	
.251 THRU .500	± .004	
.501 THRU .750	± .008	
.751 THRU 1.000	± .010	
1.001 THRU 2.000	± .012	
TEXAS INSTRUMENTS INCORPORATED SEMICONDUCTOR OPERATIONS		01295
TITLE: TI9914 SYSTEM BLOCK DIAGRAM		
SCALE: C	SIZE: SK3299/KC/H	SHEET 1/1



ASSY 1034732
TIAI-1
PWB-1034727-2 REV C
D=CR
REFERENCE ONLY

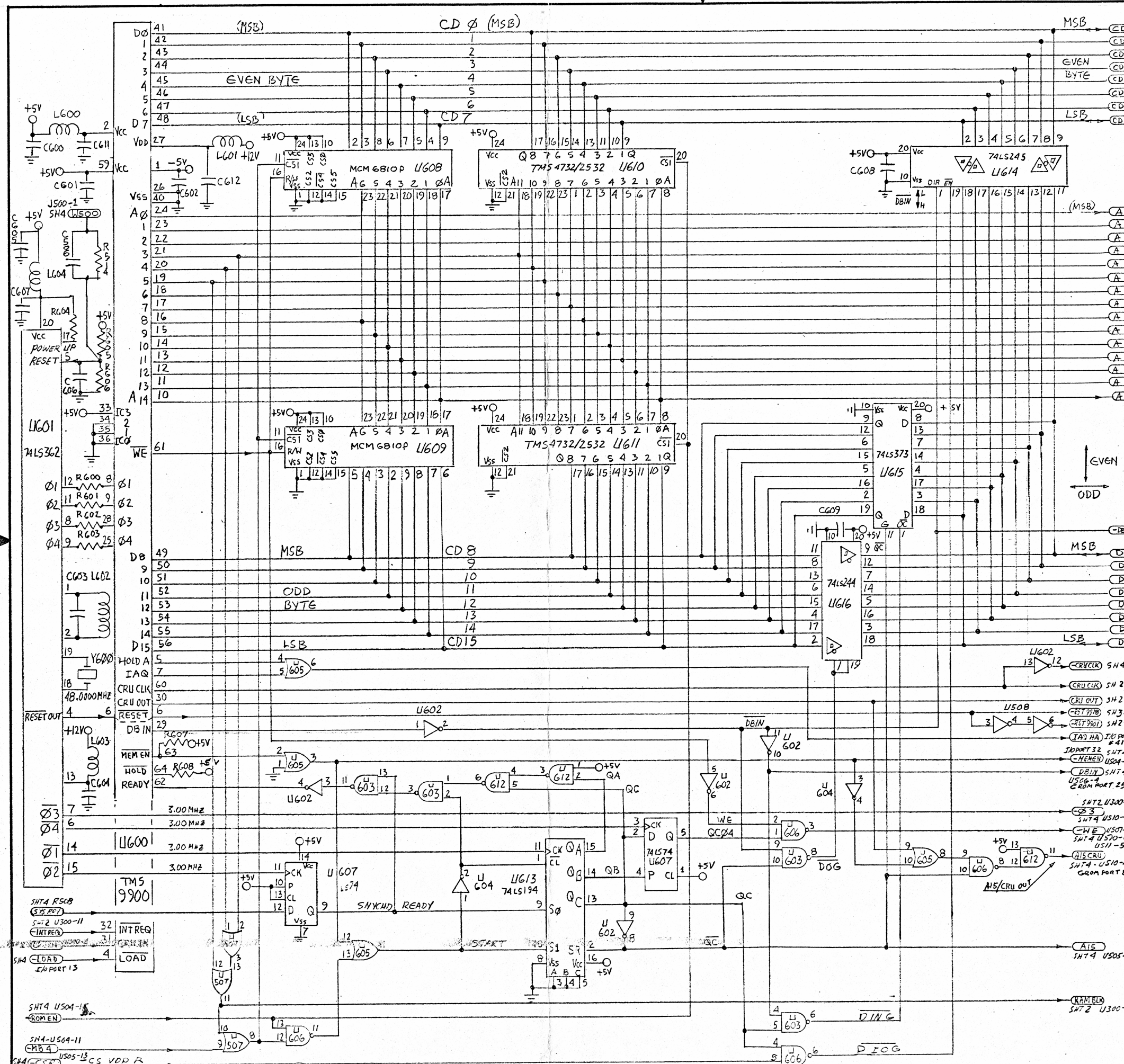
JUMPERS CUT
TO OBTAIN $5.0V \pm 5\%$
EA CUT = .035V INCREASE

- R1 1.2K Ω
- R2 2.2K
- R3 200
- R4 100
- R5 820
- RC 100
- R7 3.3K
- RB 33
- R9,10 0.5G Ω
- R11 1.5K
- R12 5.1K
- R13 68K
- R14 1K
- R15 4.3K
- R16-19 240
- C1-6 0.1 μ F
- C7 47 μ
- C8 1000 μ
- C9 3300 μ
- C10 47 μ
- C11 100 μ
- C12 47 μ
- C13 0.1 μ
- C14 470 μ
- C15-17 0.1 μ
- CR1-5 1N4002
- CR6-TIL 220
- CR7-PG1992
- CR8-AP531
- CR9-V331X
- CR10-PG1992
- L1-3 90 μ H
- L4 1.mH TOROID

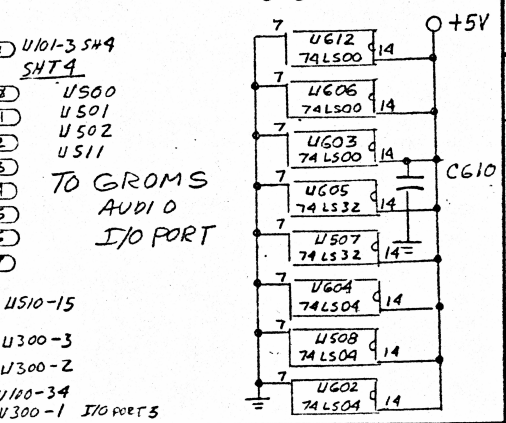
MATERIAL:		
PROCESSES:		
DRAFTSMAN KC DOYLE		DATE 11/9/80
DESIGNER		DATE
CHECKER		DATE
ENGINEER		DATE 9-14-71
APPROVED		DATE
RELEASED		DATE
TOLERANCES UNLESS SPECIFIED .XXX ± .010 .XX ± .020 .X ± .030 ANGLES 45° AXIS OF TAPPED HOLES 90° ± 10° MACHINED DIAMETERS CONCENTRICITY .004 T10 REMOVE ALL BURRS AND SHARP EDGES ALL DIMENSIONS ARE IN INCHES		SURFACE 0135 THRU 125 ± .004 - .001 126 THRU 250 ± .005 - .001 251 THRU 500 ± .006 - .001 501 THRU 750 ± .008 - .001 751 THRU 1000 ± .010 - .001 1001 THRU 2000 ± .012 - .001
TEXAS INSTRUMENTS INCORPORATED SEMICONDUCTOR OPERATIONS		CODE IDENTIFY NUMBER 01295
TITLE: ELECTRONIC SCHEMATIC DIAGRAM CONSOLE POWER SUPPLY TI 99/4		
SCALE	C	1034733
SIZE		

C 1034733

TI-4514F



- SYMBOL REVISION
- SHT 3
U100-24
CD 1 -23
CD 2 -22
EVEN BYTE CD 3 -21
CD 4 -20
CD 5 -19
CD 6 -18
LSB CD 7 U100-17
- TO VDP
- R 519-47K
R 600-603-22Ω
R 604 1K
R 605 12K
R 606 150K
R 607 4.7K
R 608 1K
- C 506-15μF
C 600-100μF
C 601-.001
C 602-.01
C 603-22PF
C 604-.1μF
C 605-10
C 606-15
C 607-.001
C 608-.01
C 609-.01
C 610-.01
C 611-.001
C 612-.01
- L 600-30μH
L 601-30
L 603-30
L 604-30
L 602-0.33μH



MATERIAL:

NOTE: -X = X
EXAMPLE: -WE = WE

PROCESSES:

DESIGNER: KCD/YLE 1/9/80

CHECKER: DATE

ENGINEER: DATE

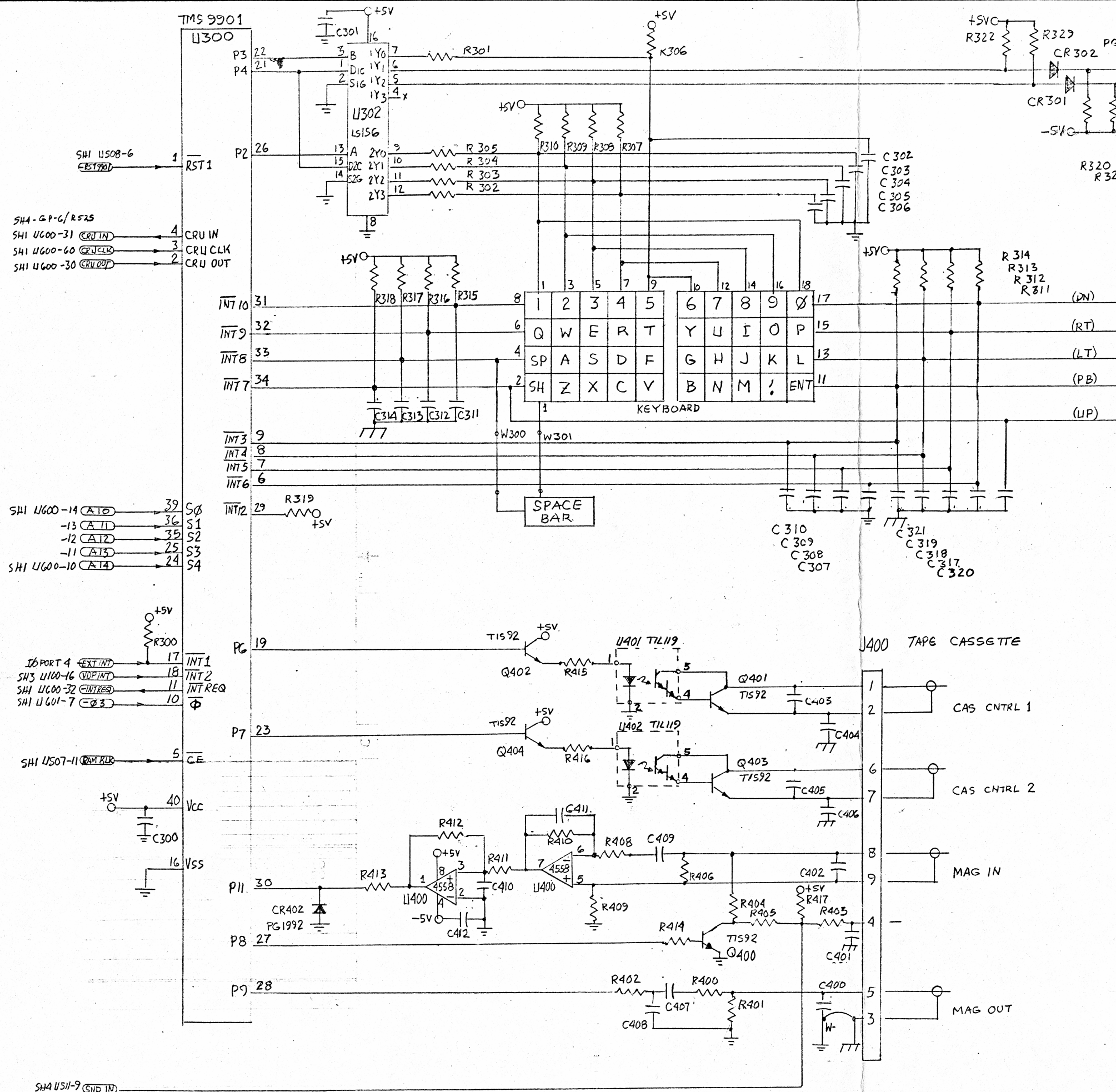
APPROVED: DATE

RELEASED: DATE

TEXAS INSTRUMENTS
INCORPORATED
SEMICONDUCTOR OPERATIONS

TITLE: TI 99/4
MAIN LOGIC - DATA MUX

SCALE: NA SIZE: C SK 3199 KC/H SHEET: 4



- R 300 — 4.7K Ω
 R 301 — 305 — 33 Ω
 R 306 — 310 — 1K Ω
 R 311 — 319 — 10K Ω
 R 320, 321 — 3.3K 1%
 R 329 — 1K Ω
 R 330 — 10K Ω
 C 300-306 — .01 μ F
 C 307-314 — 220pF
 C 315, 316 — 680p
 C 317-321 — 220p
 R 400 — 5.6K Ω
 R 401 — 200 Ω
 R 402 — 6.8K Ω
 R 403 — 5.6K Ω
 R 404, 405 — 10K Ω
 R 406 — 15 Ω
 R 408 — 6.8K Ω
 R 409 — 5.6K Ω
 R 410 — 39K Ω
 R 411 — 5.6K Ω
 R 412 — 120K Ω
 R 413 — 2.2K Ω
 R 414 — 12K Ω
 R 415, 416 — 220 Ω
 R 417 — 9.1K Ω
 C 400 — 406 — .001 μ F
 C 408, 409 — .01 μ F
 C 411 — 220p
 C 407 — .001 μ F
 C 410 — .022 μ F
 C 412 — .1 μ F

MATERIAL:		
PROCESSES:		
DRAFTSMAN KC Doyle		DATE 1/9/80
DESIGNER		DATE
CHECKER		DATE
ENGINEER		DATE
APPROVED		DATE
RELEASED		DATE
TOLERANCES UNLESS SPECIFIED .XXX ± .010 .XX ± .020 .X ± .030 ANGLES ± 1° AXIS OF TAPPED HOLES DRILL MACHINED DIAMETERS CONCENTRICITY .004 TYP REMOVE ALL BURRS AND SHARP EDGES ALL DIMENSIONS ARE IN INCHES		SURFACE 0135 THRU 125 +.004 - .001 126 THRU 250 +.005 - .001 251 THRU 500 +.006 - .001 501 THRU 750 +.008 - .001 751 THRU 1000 +.010 - .001 1001 THRU 2000 +.012 - .001
TEXAS INSTRUMENTS INCORPORATED SEMICONDUCTOR OPERATIONS		CODE IDENTIFY NUMBER 01295
TITLE: TI 99/4 IO KB CKTS		
SCALE	C	SK 3199KCD/H
SHEET	24	TI-4514F

- SHI U508-6 (RST1) → 1
 SHI U600-31 (CRU IN) → 4
 SHI U600-60 (CRU CLK) → 3
 SHI U600-30 (CRU OUT) → 2
 SHI U600-14 (A10) → 39
 SHI U600-16 (A11) → 36
 SHI U600-32 (A12) → 35
 SHI U600-10 (A13) → 25
 SHI U601-7 (Q3) → 24

- SHI U507-11 (CE) → 5
 SHI U511-9 (SND IN) → 40

SHEET 24

