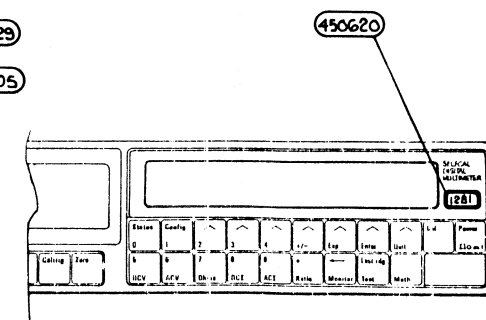
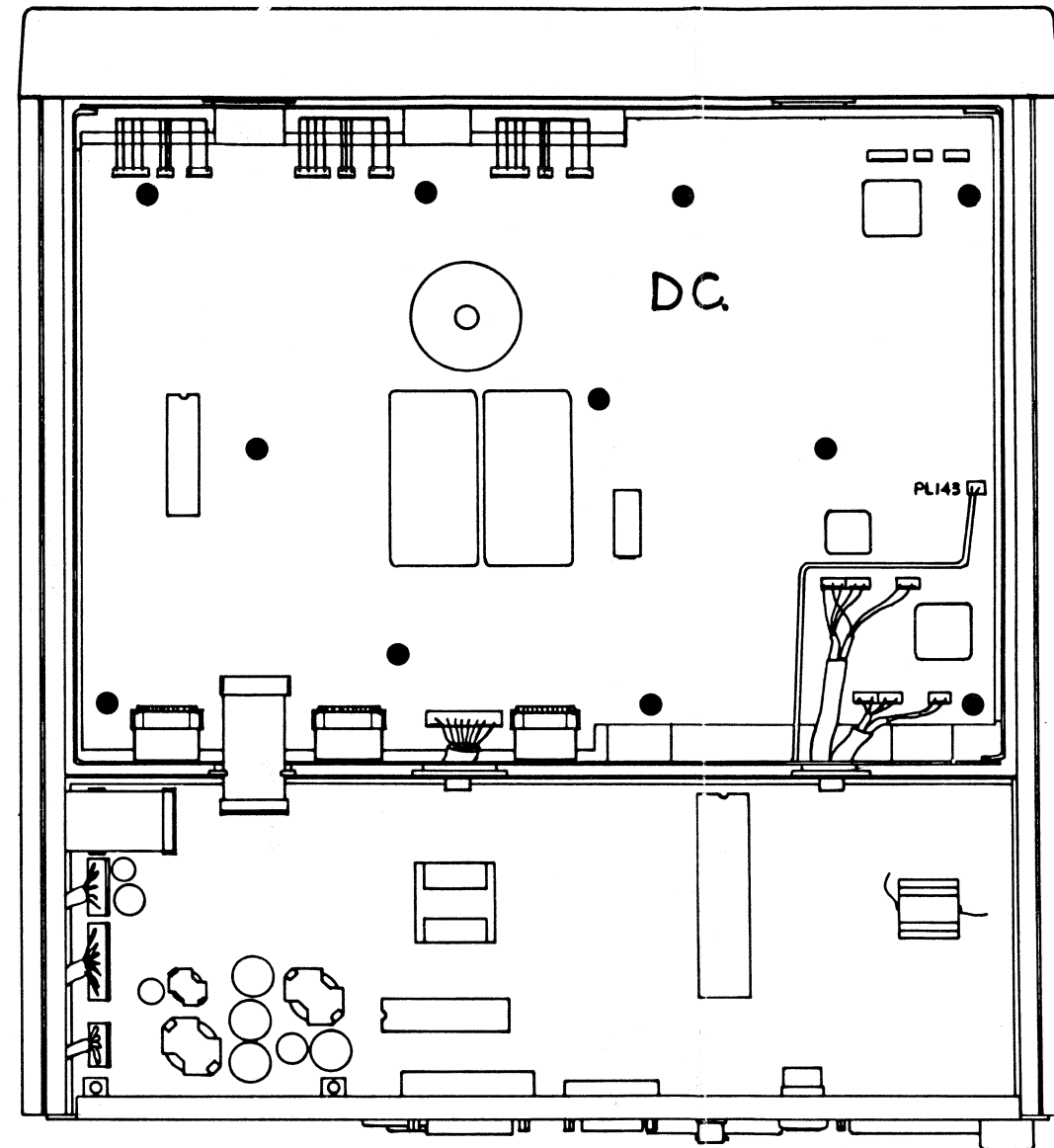


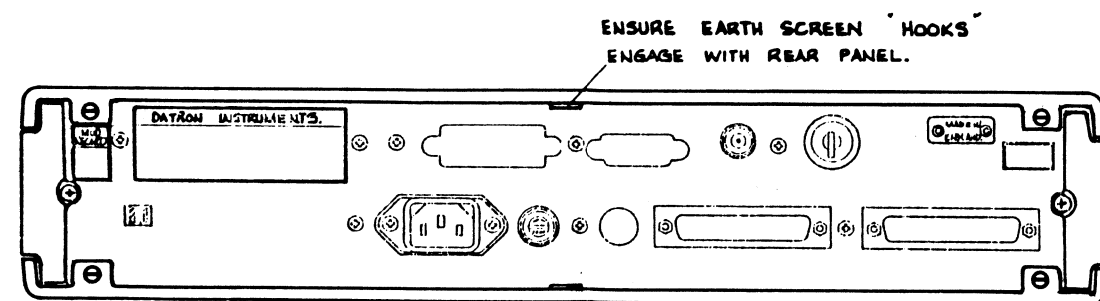
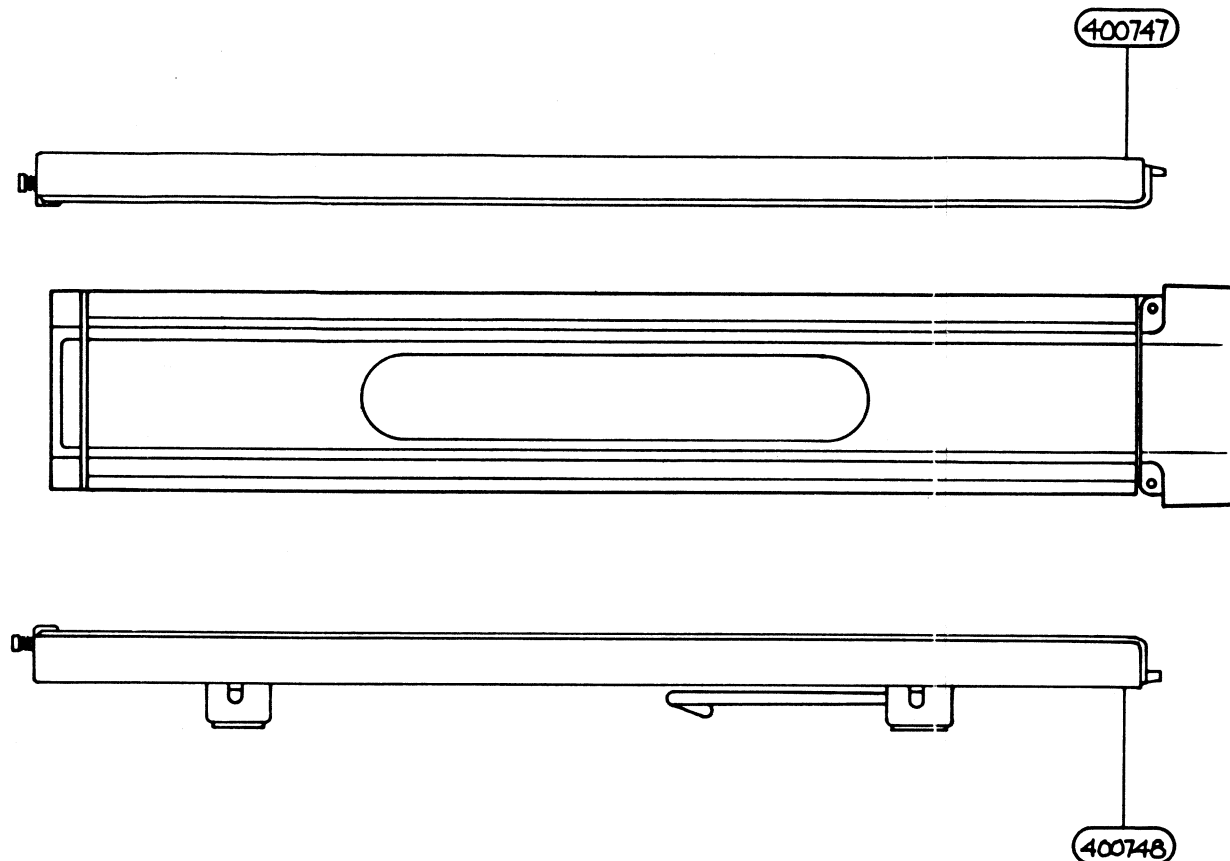


FIT REQUIRED OPTION BOARDS IN POSITIONS SHOWN, SECURE TO CENTRE SHIELD USING NYLATCH PRESS FASTENERS. (2 & 1)
(AC BOARD FIXED BY SCREWS).

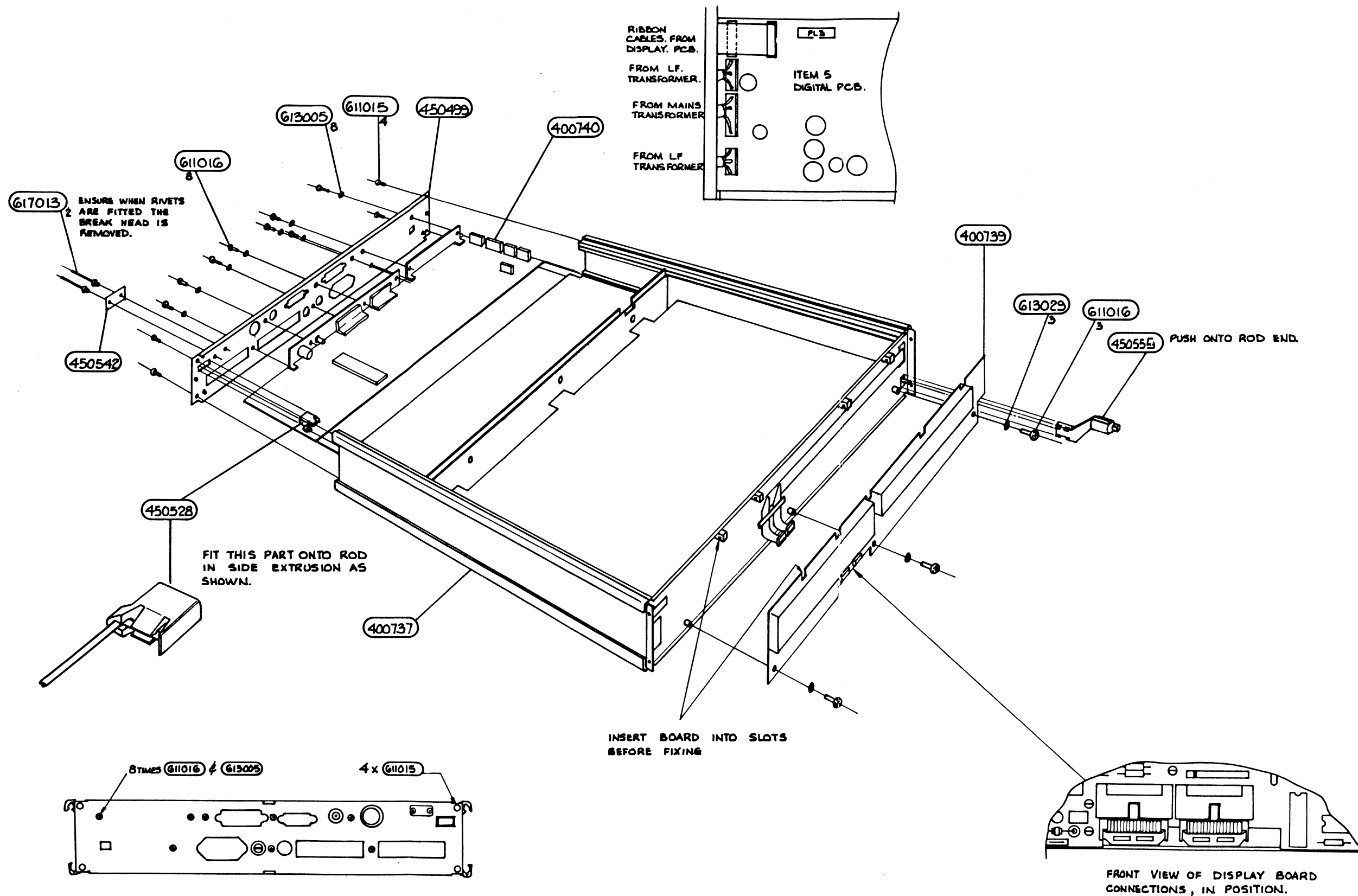


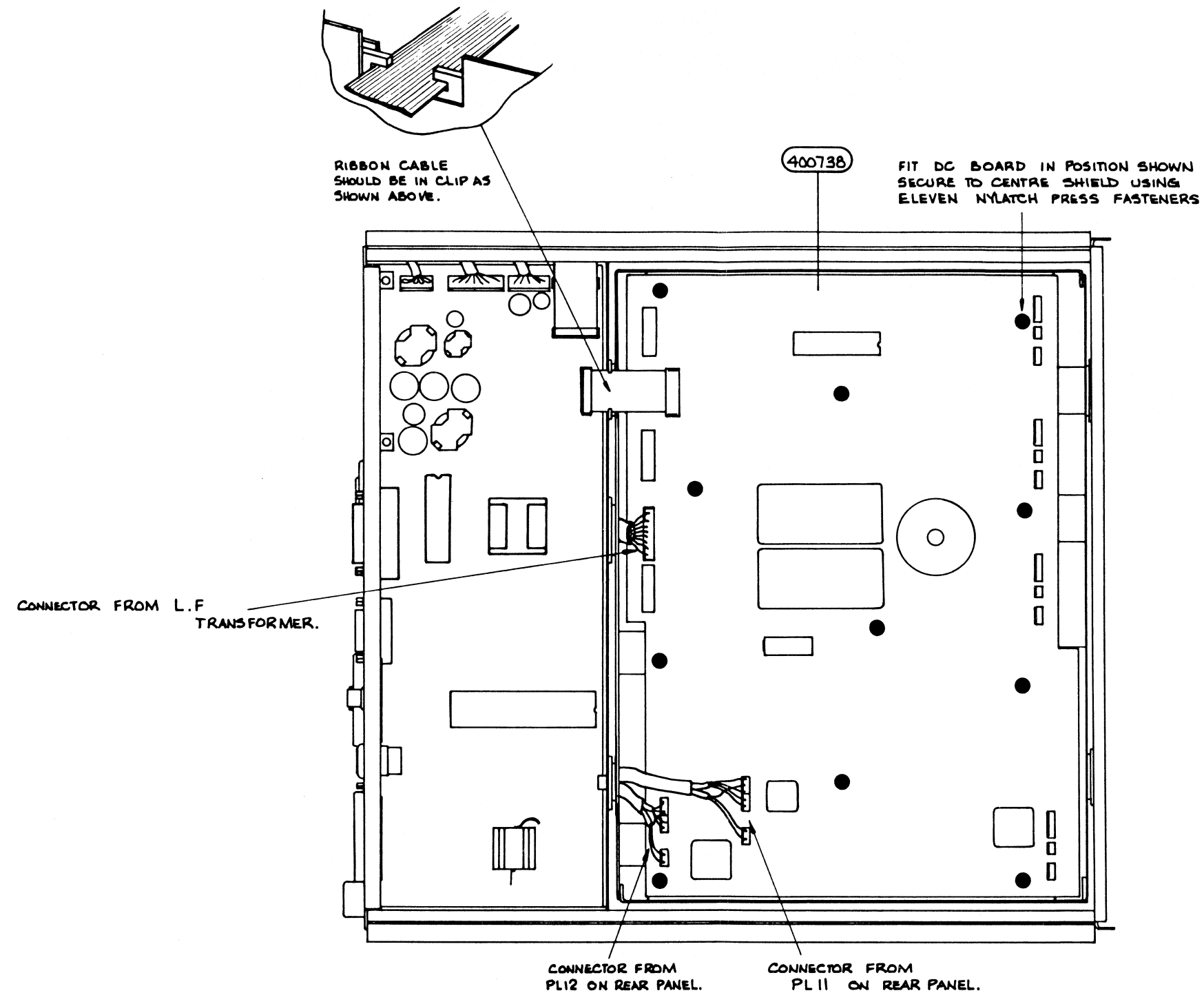
TOP VIEW

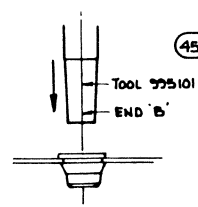
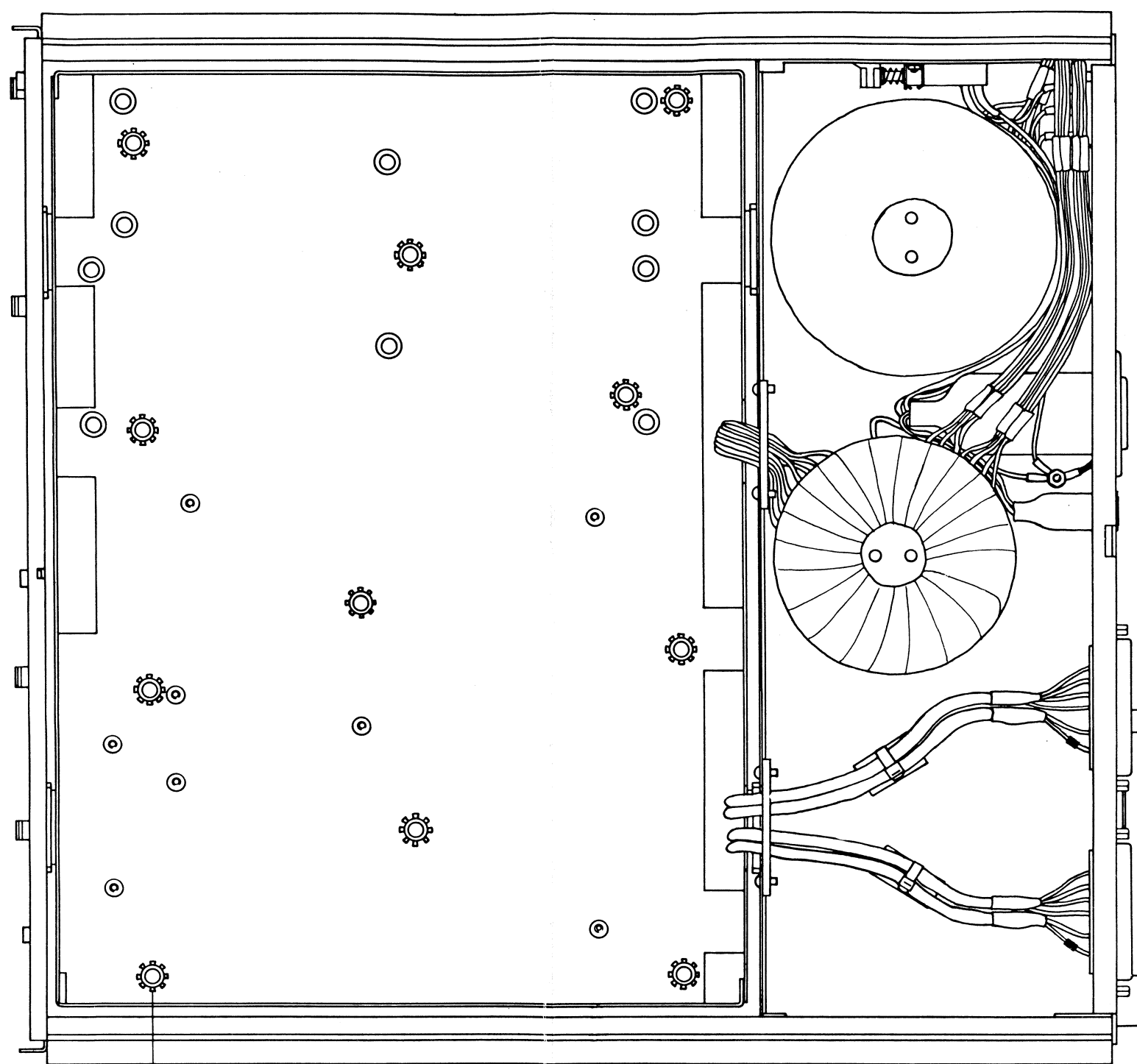
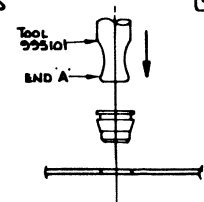
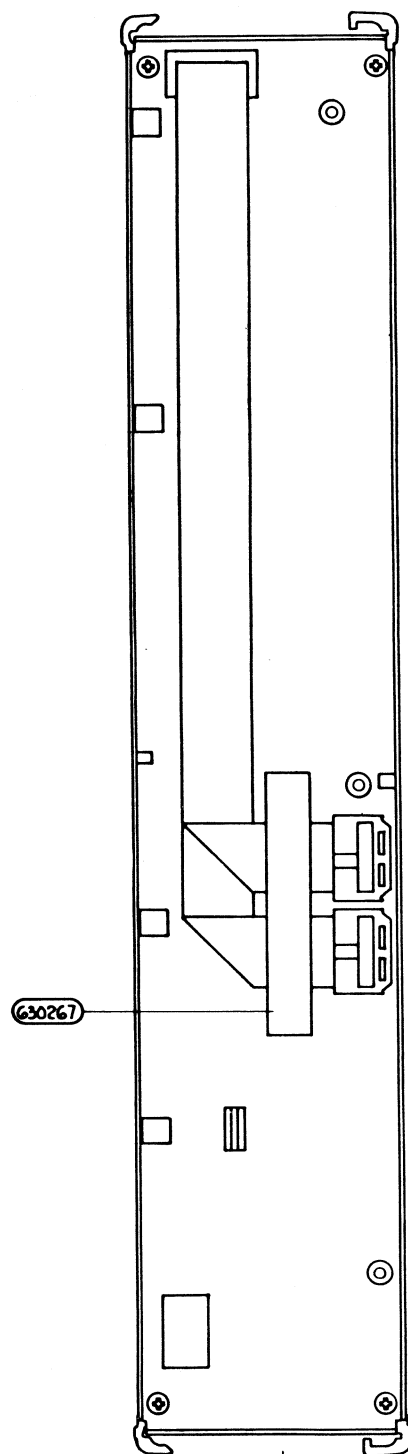
CURRENT OPTION: REMOVE HOLE BLANKING PLUG
 & FIT FUSE ASSEMBY AS SHOWN USE 4 OFF
 ADHESIVE CABLE CLIPS TO SECURE WIRES.
 PLUG ONTO PL54.



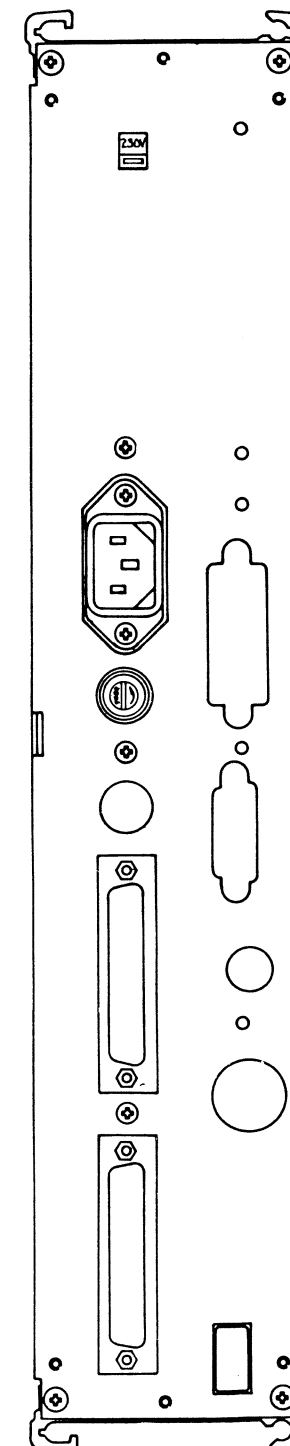


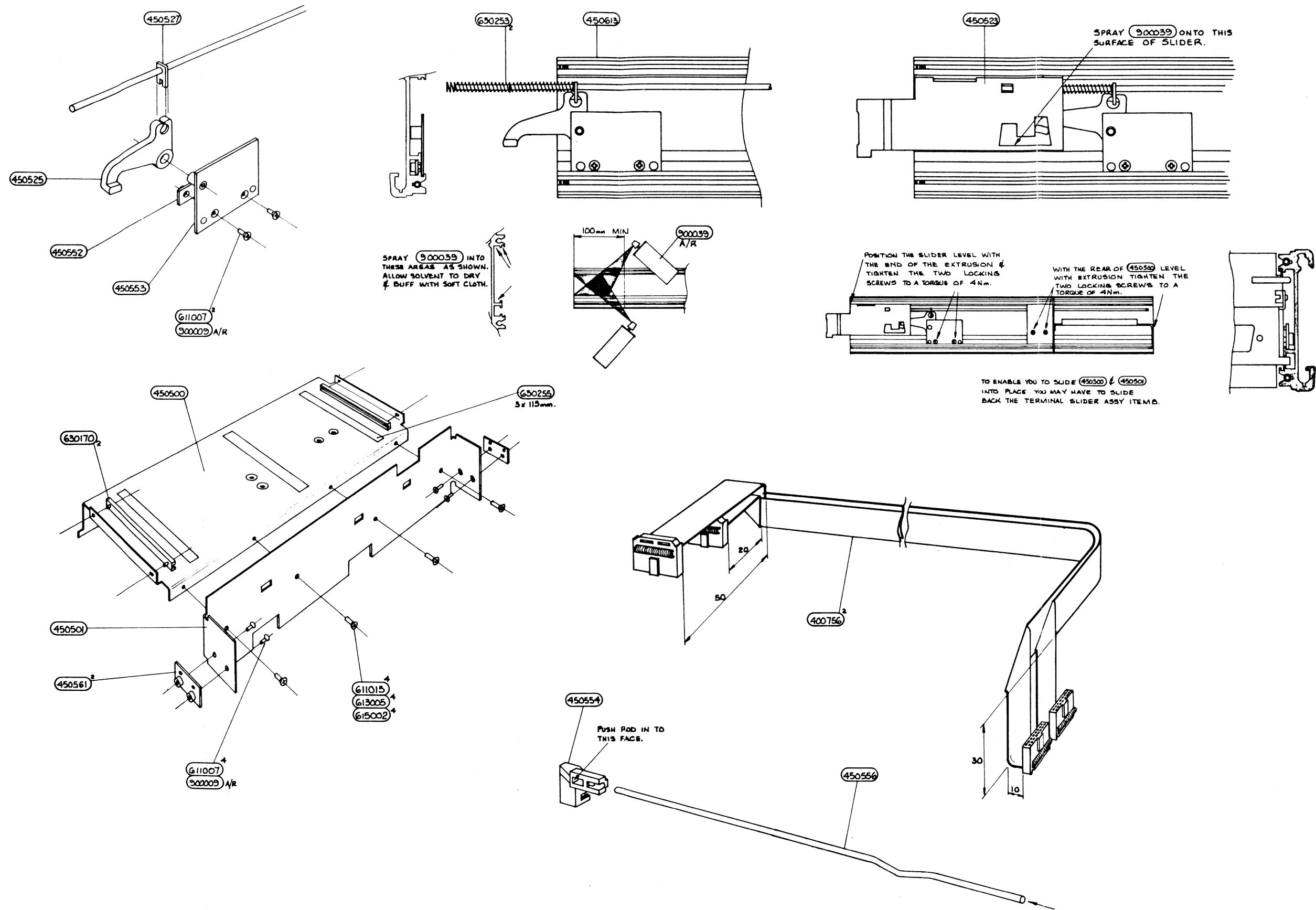


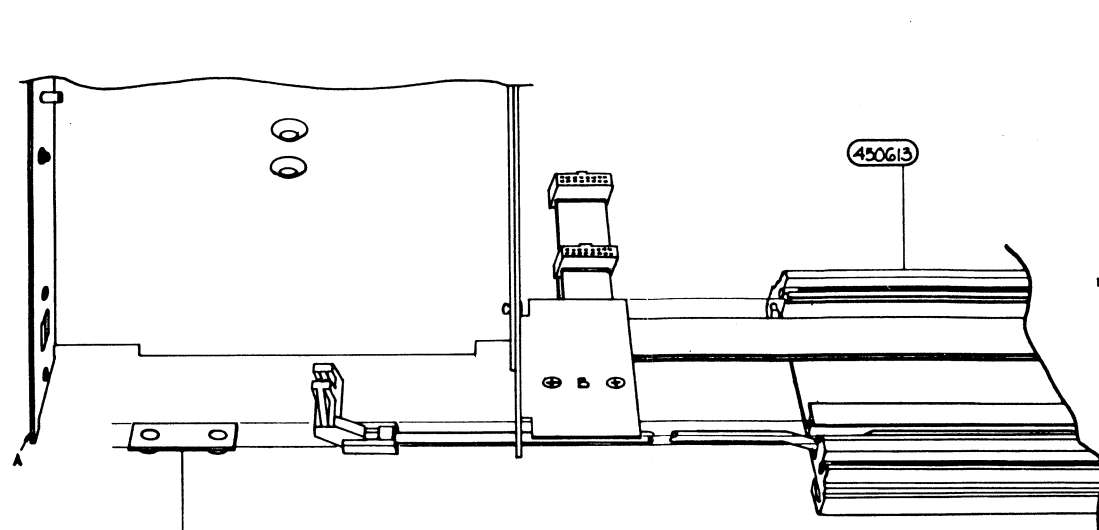




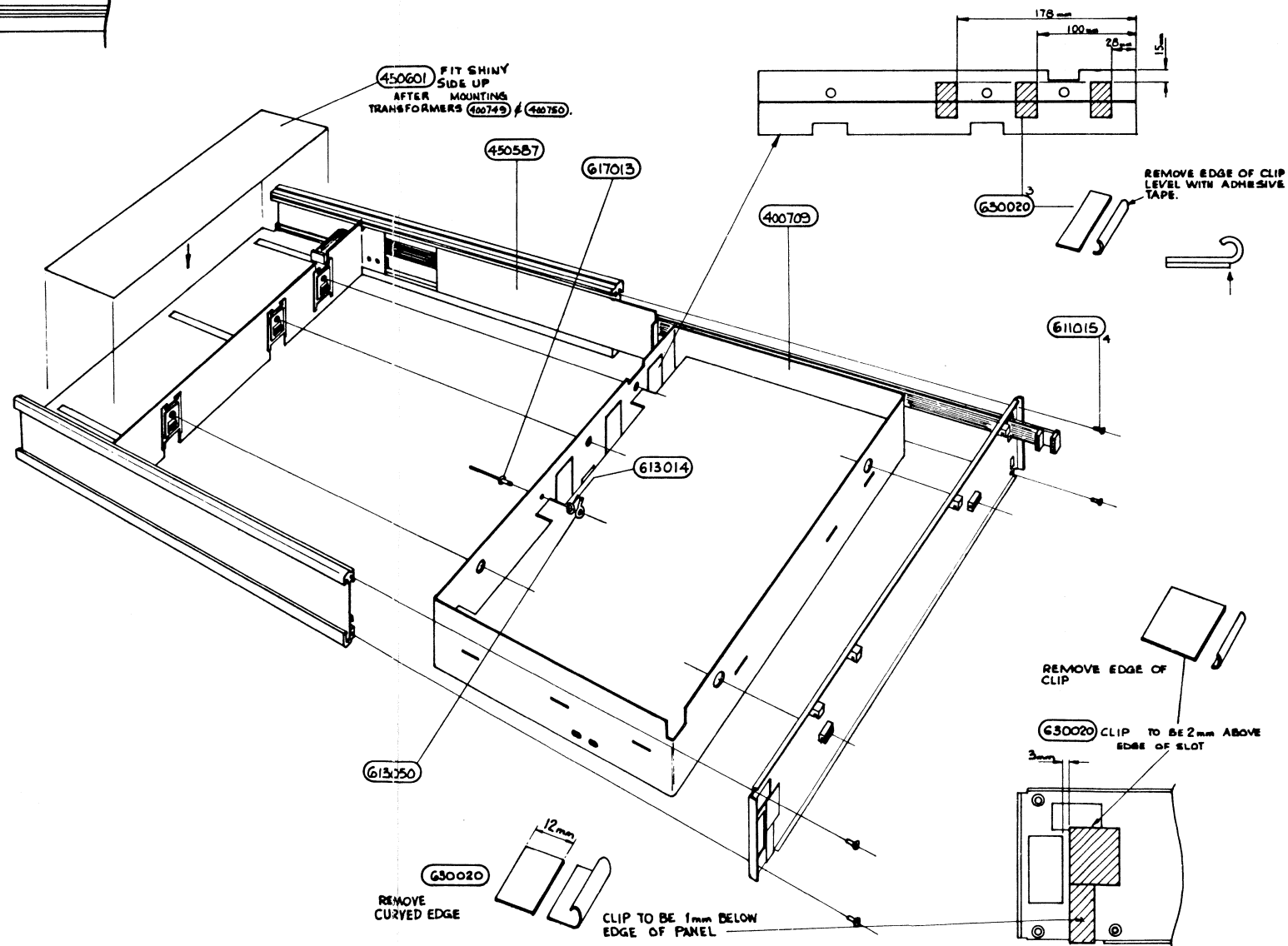
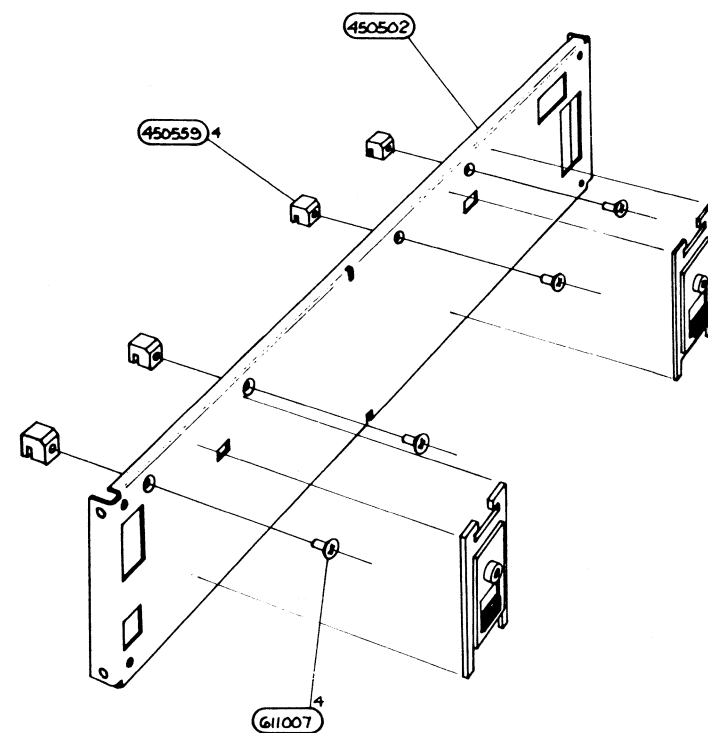
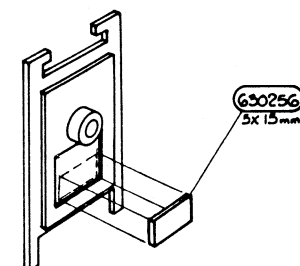
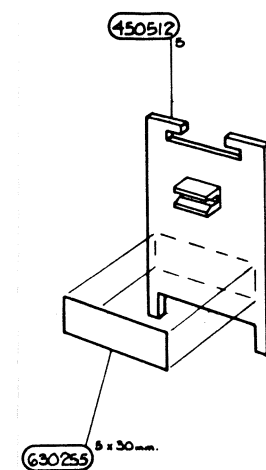
FIT IT FROM THIS SIDE & 10
FROM OPPOSITE SIDE. USE TOOLS
AS SHOWN.

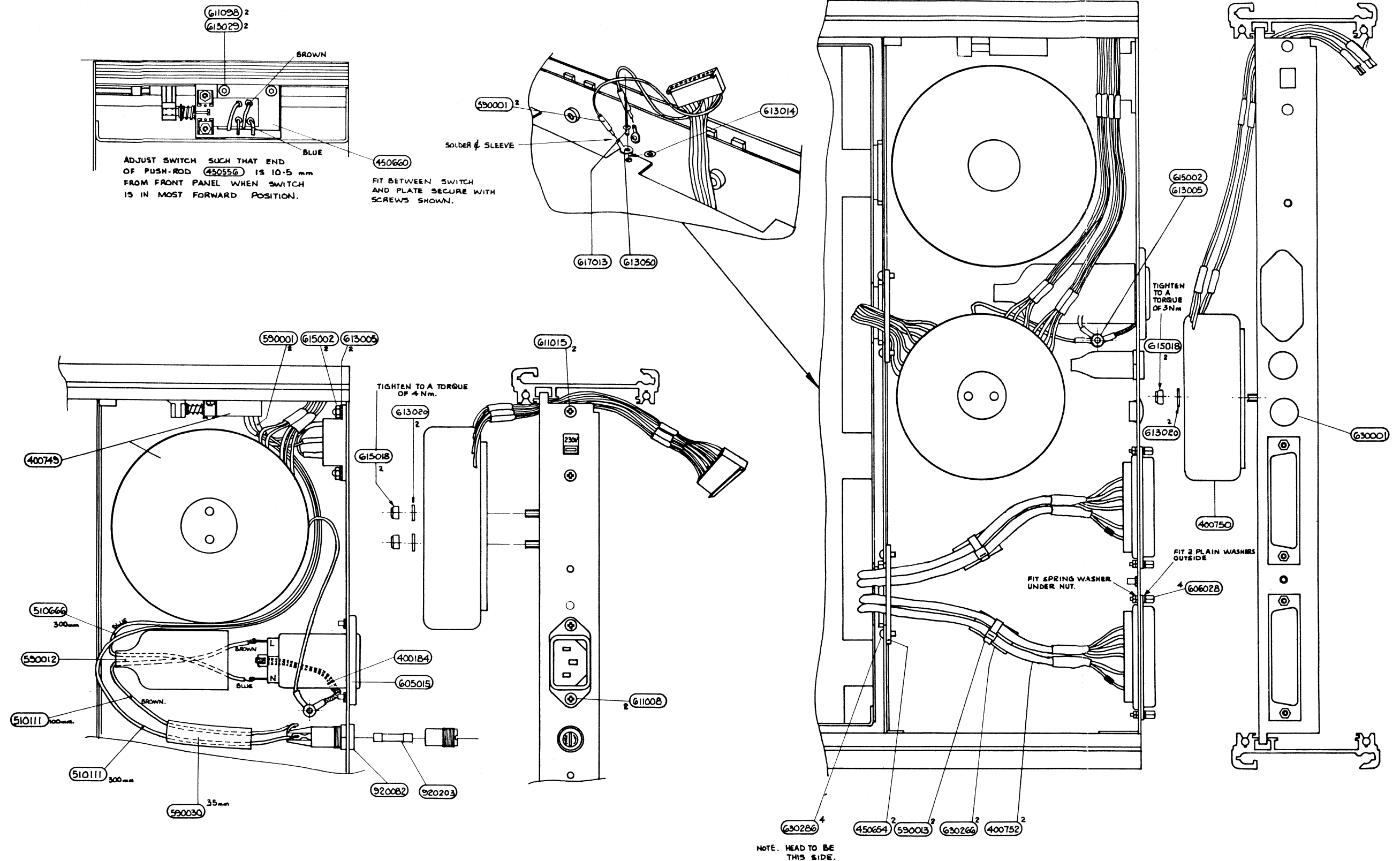


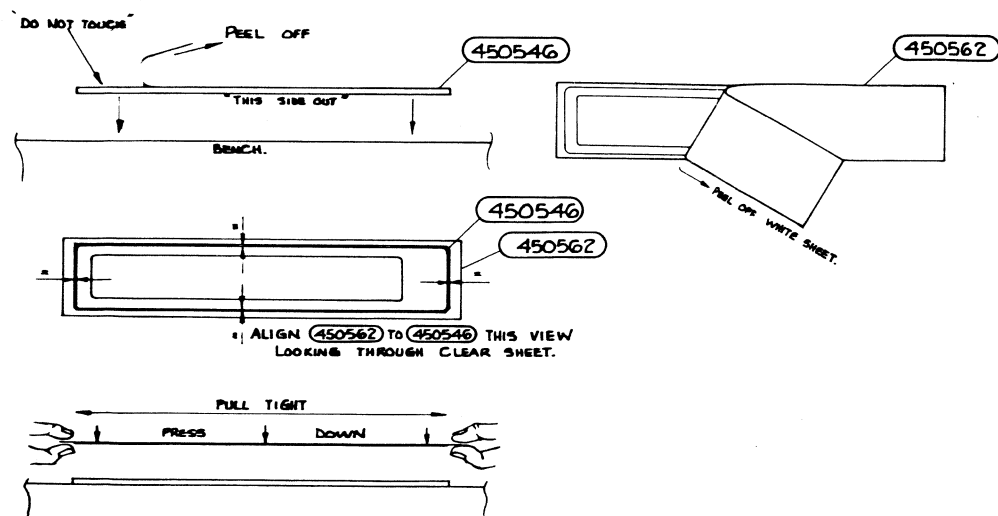




LAY RIBBON CABLES ONTO EXTRUSION CAREFULLY SUDE OTHER PARTS INTO PLACE IN THE ORDER SHOWN, UNTIL FACE 'A' IS LEVEL WITH END OF EXTRUSION THEN TIGHTEN TWO SCREWS AT 'B'.

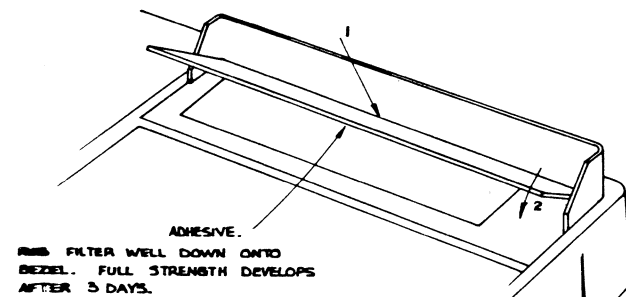
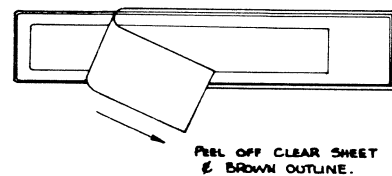
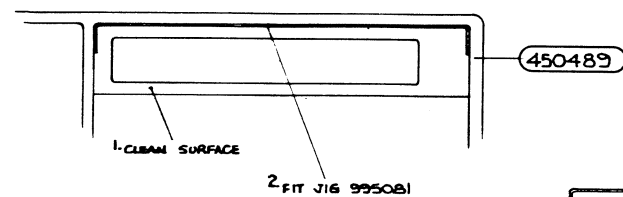
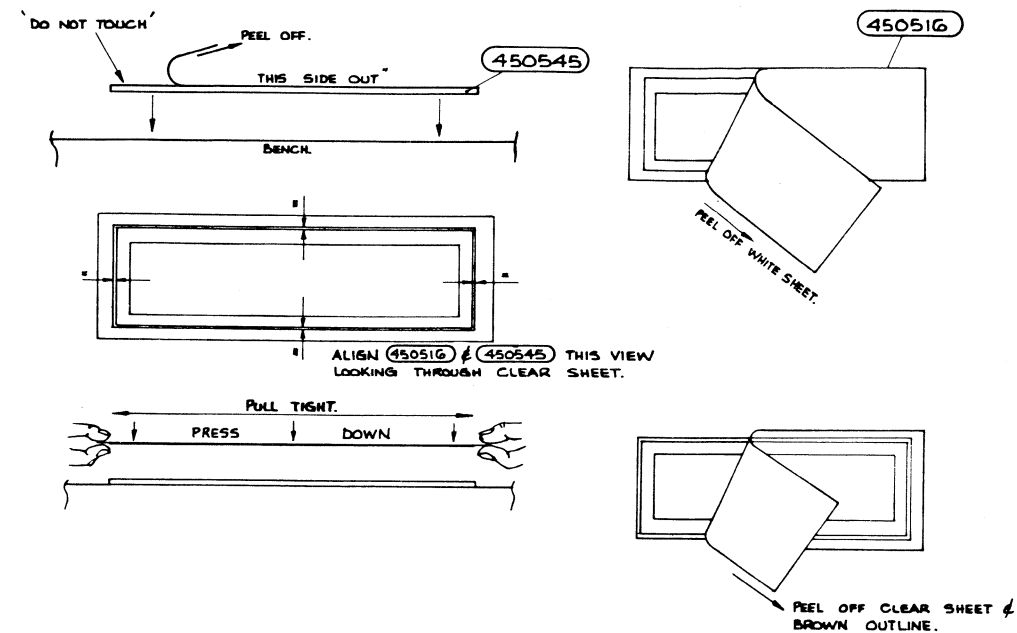




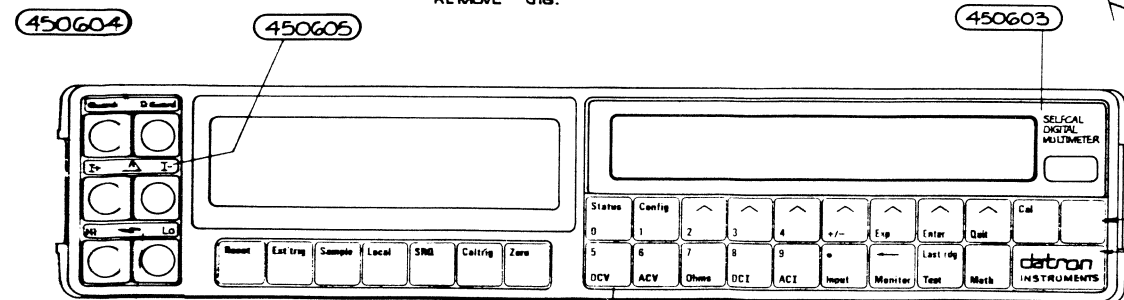


GENERAL NOTES ON FITTING FILTERS & BADGES

1. WIPE ALL SURFACES TO RECEIVE ADHESIVE WITH A CLEAN WIPER MOISTENED WITH 900016.
2. DO NOT TOUCH CLEANED SURFACE - RECLEAN IF ACCIDENTALLY TOUCHED.
3. DO NOT TOUCH ADHESIVE SURFACE.
4. HANDLING OF ADHESIVES (450562) & (450516).
 - a) IF CLEAR SHEET SEPERATES FIRST, PRESS BACK AND RUB DOWN. WHITE SHEET WILL THEN SEPERATE.
 - b) AFTER REMOVAL OF WHITE SHEET HANDLE ONLY BY ENDS OF CLEAR SHEET.
 - c) PULL TIGHT AND ALIGN BEFORE LOWERING TO FILTER SURFACE.
 - d) IF MIS-ALIGNED OR UNFLAT THEY MUST BE ENTIRELY REMOVED (RUB WITH FINGER), THE SURFACE CLEANED AND NEW ADHESIVE APPLIED.
5. HANDLE JIGS WITH GREAT CARE - THEY ARE FRAGILE. IF BENT THE JIGS WILL NOT ALIGN PARTS CORRECTLY.



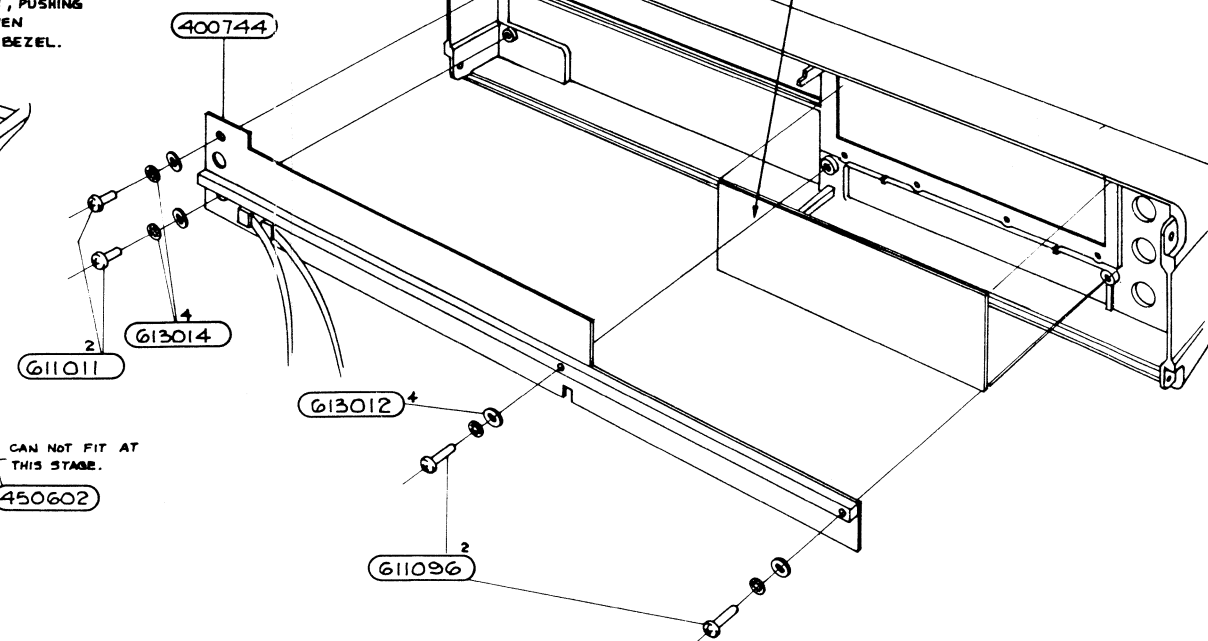
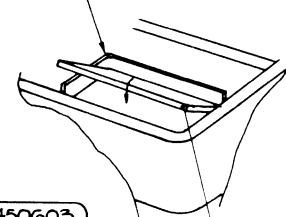
INSERT TOP EDGE OF FILTER INTO JIG THEN PRESS DOWN ONTO BEZEL. REMOVE "THIS SIDE OUT" AND BACKING SHEET FROM BADGE (450603) AND FIT IN SIMILAR MANNER. REMOVE JIG.

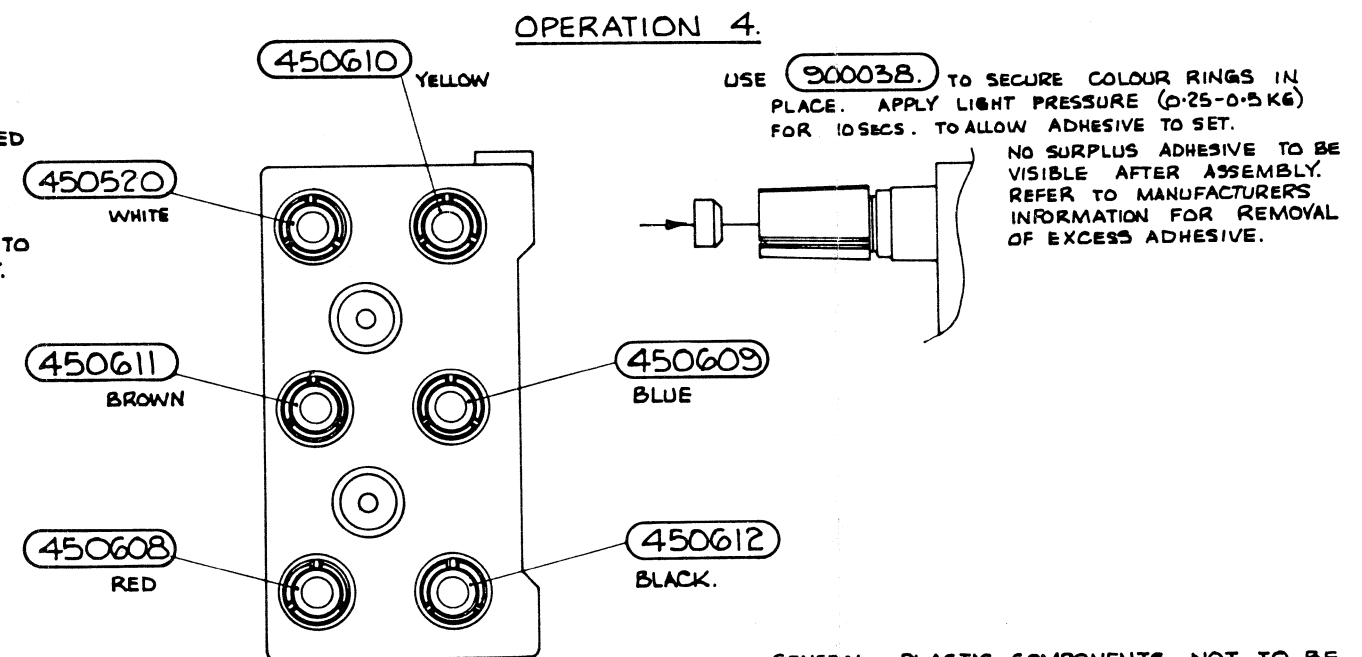
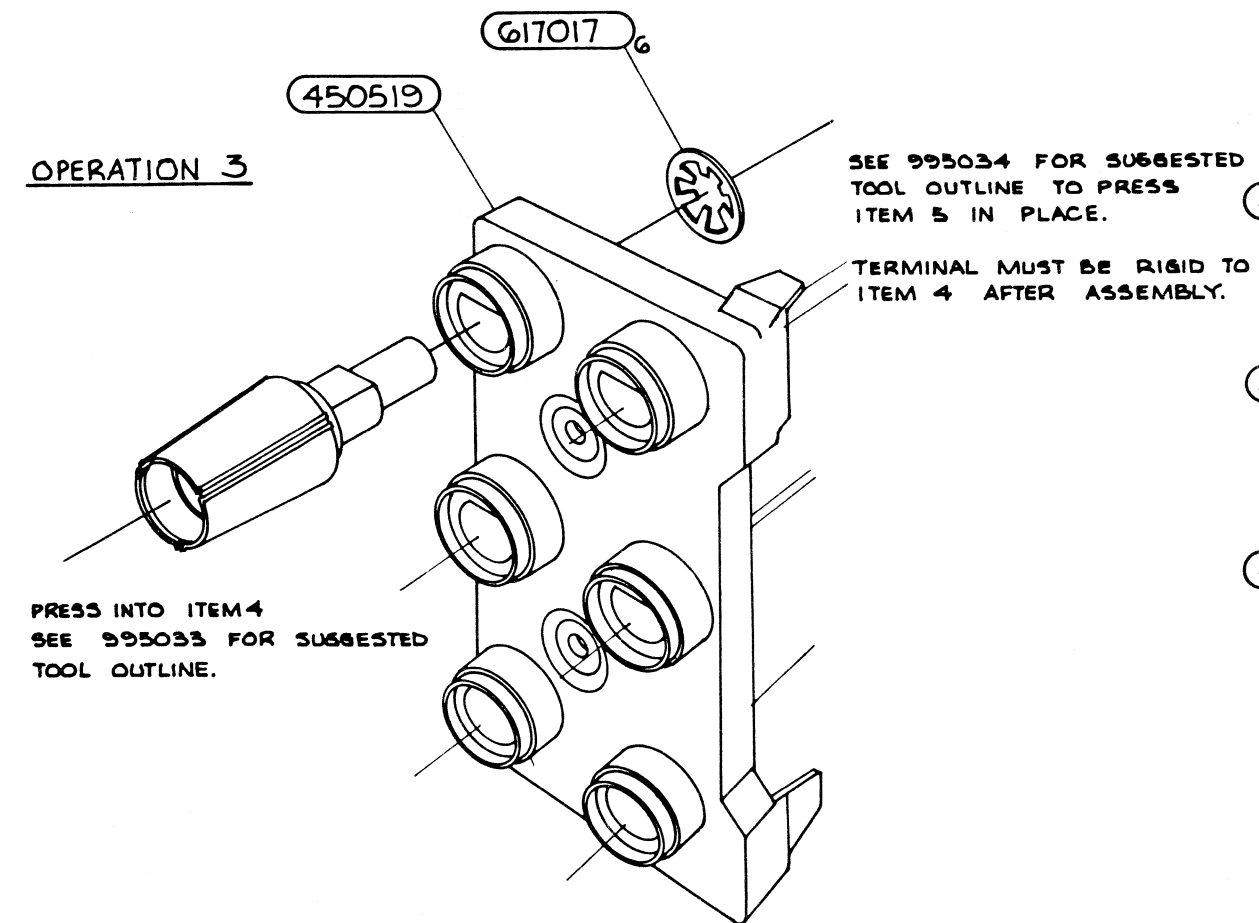
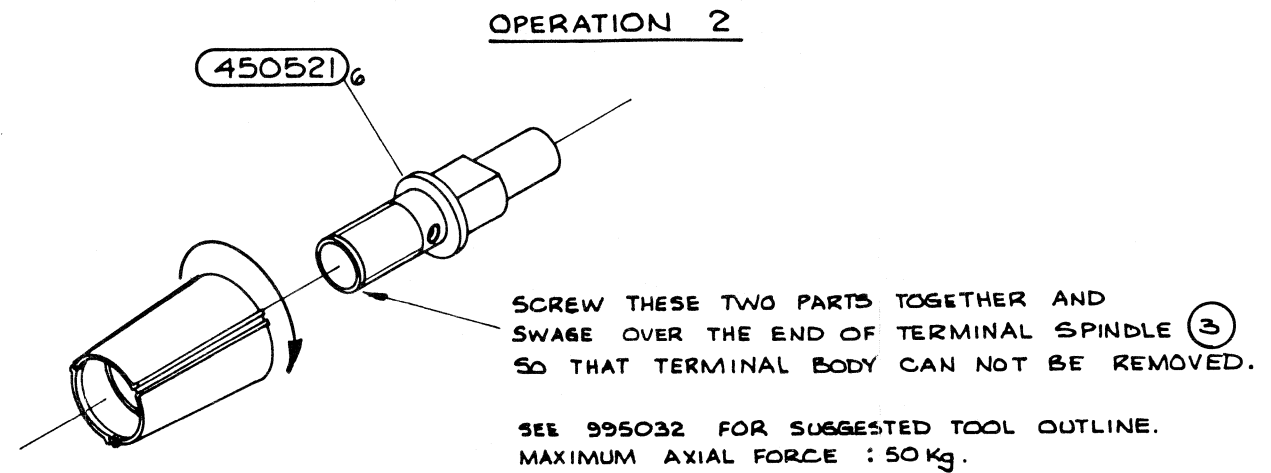
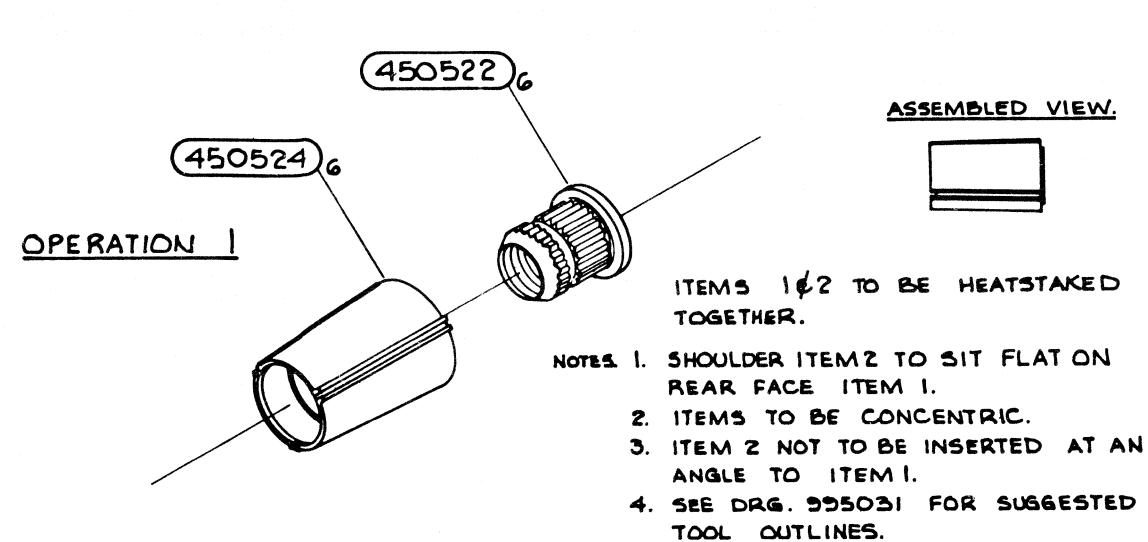


(450531) FIT KEYCAPS TO SWITCHES IN POSITIONS SHOWN ABOVE.

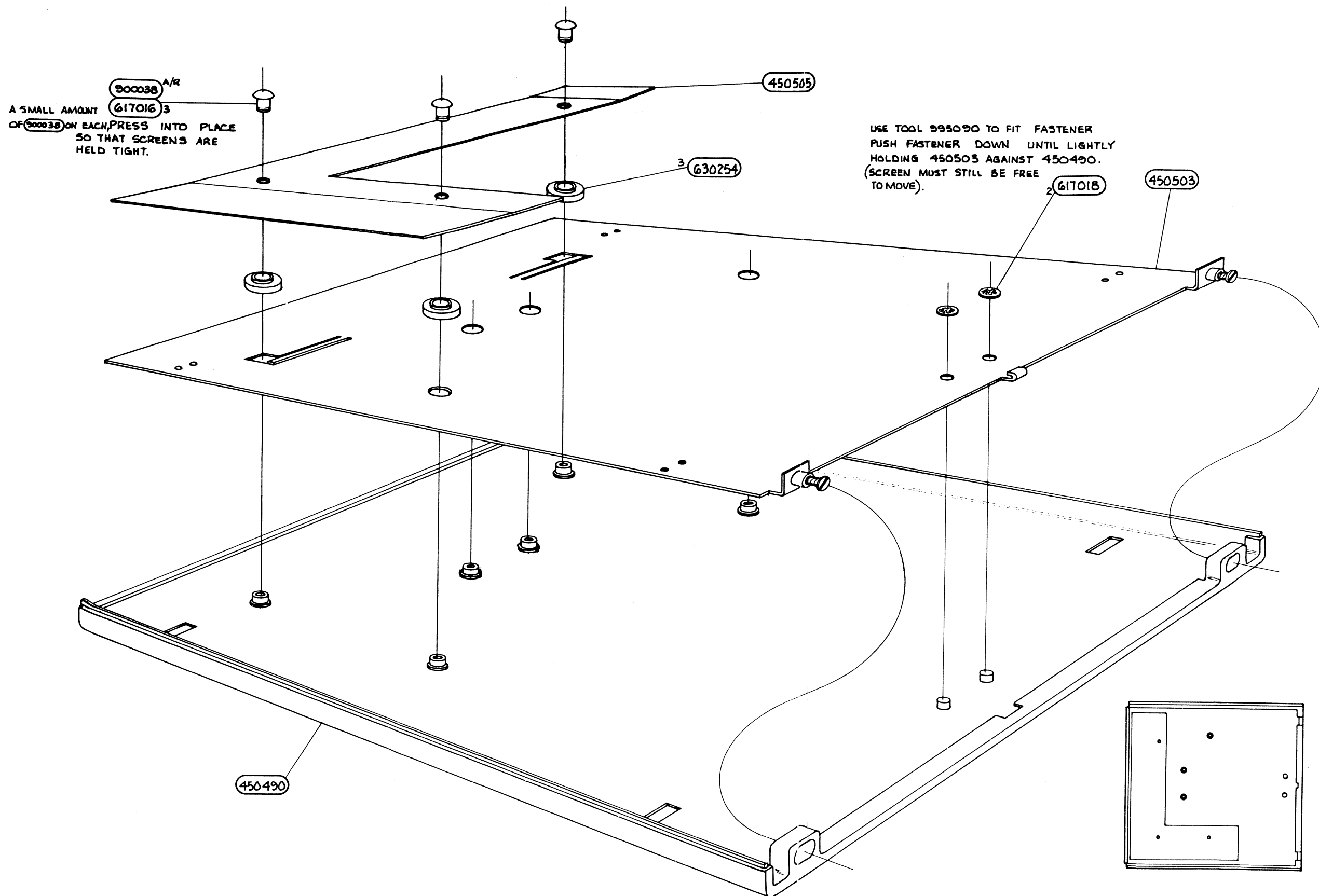
Power RETAIN WITH BEZEL.

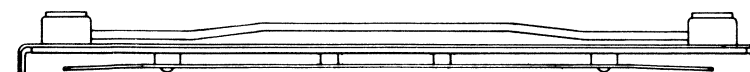
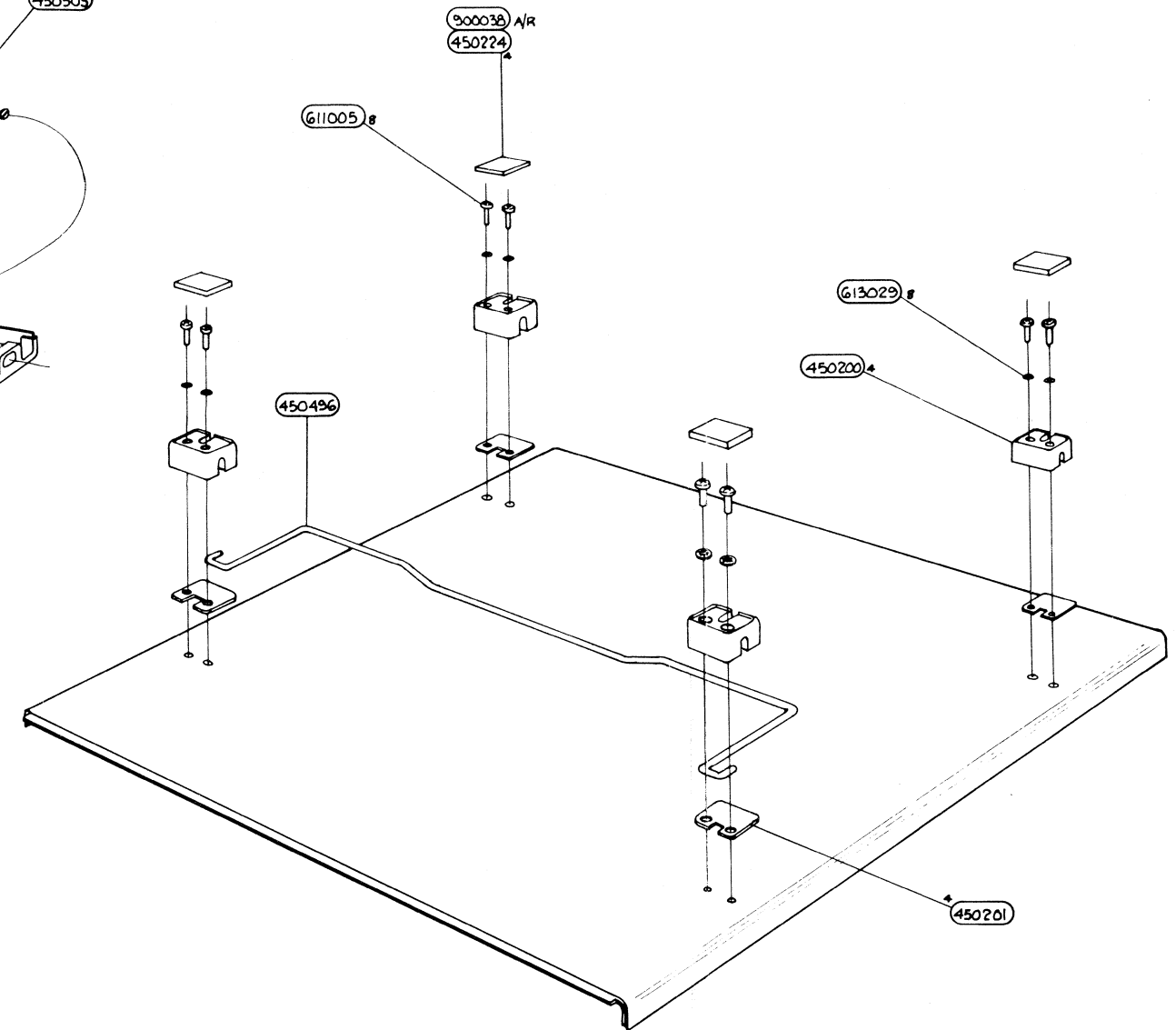
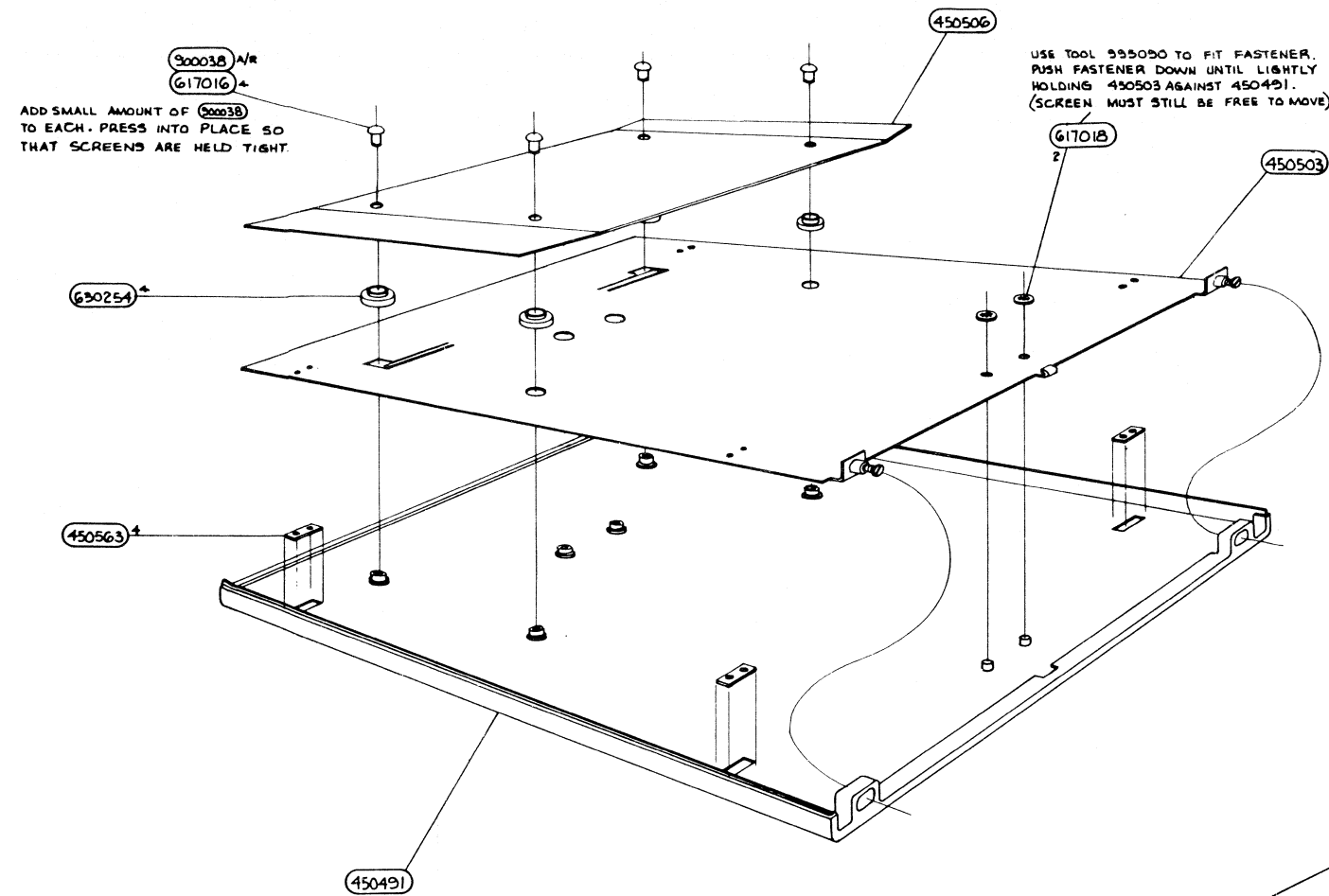
HOLD JIG 995082 IN PLACE. PLACE BADGE IN, PUSHING INTO JIG THEN LOWER ONTO BEZEL.



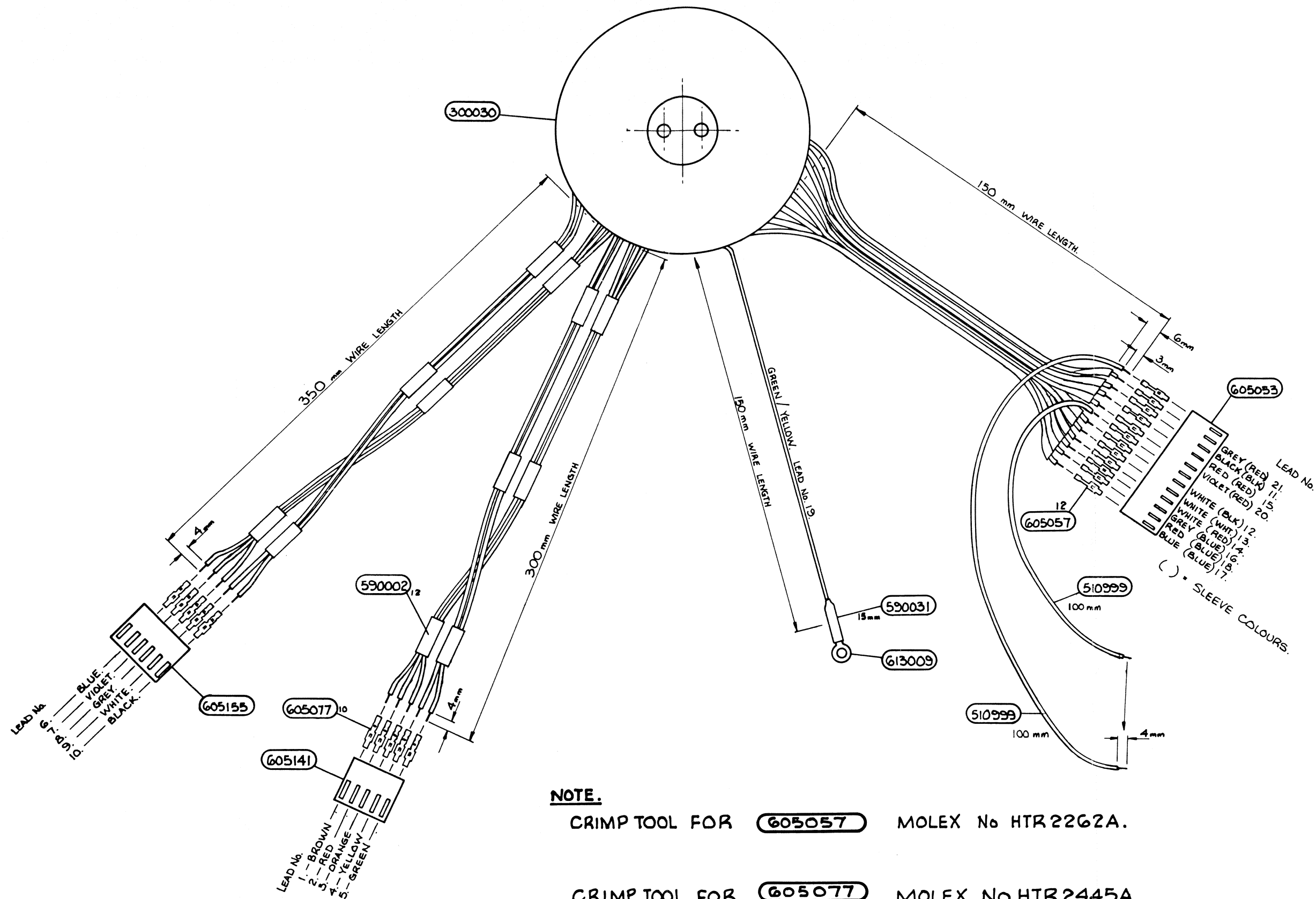


GENERAL. PLASTIC COMPONENTS NOT TO BE DAMAGED BY ASSEMBLY PROCESS. USE OF SUGGESTED TOOLS IS RECOMMENDED. ALL TERMINALS TO BE PERPENDICULAR TO BASE AND RUN TRUE ON THREADS.





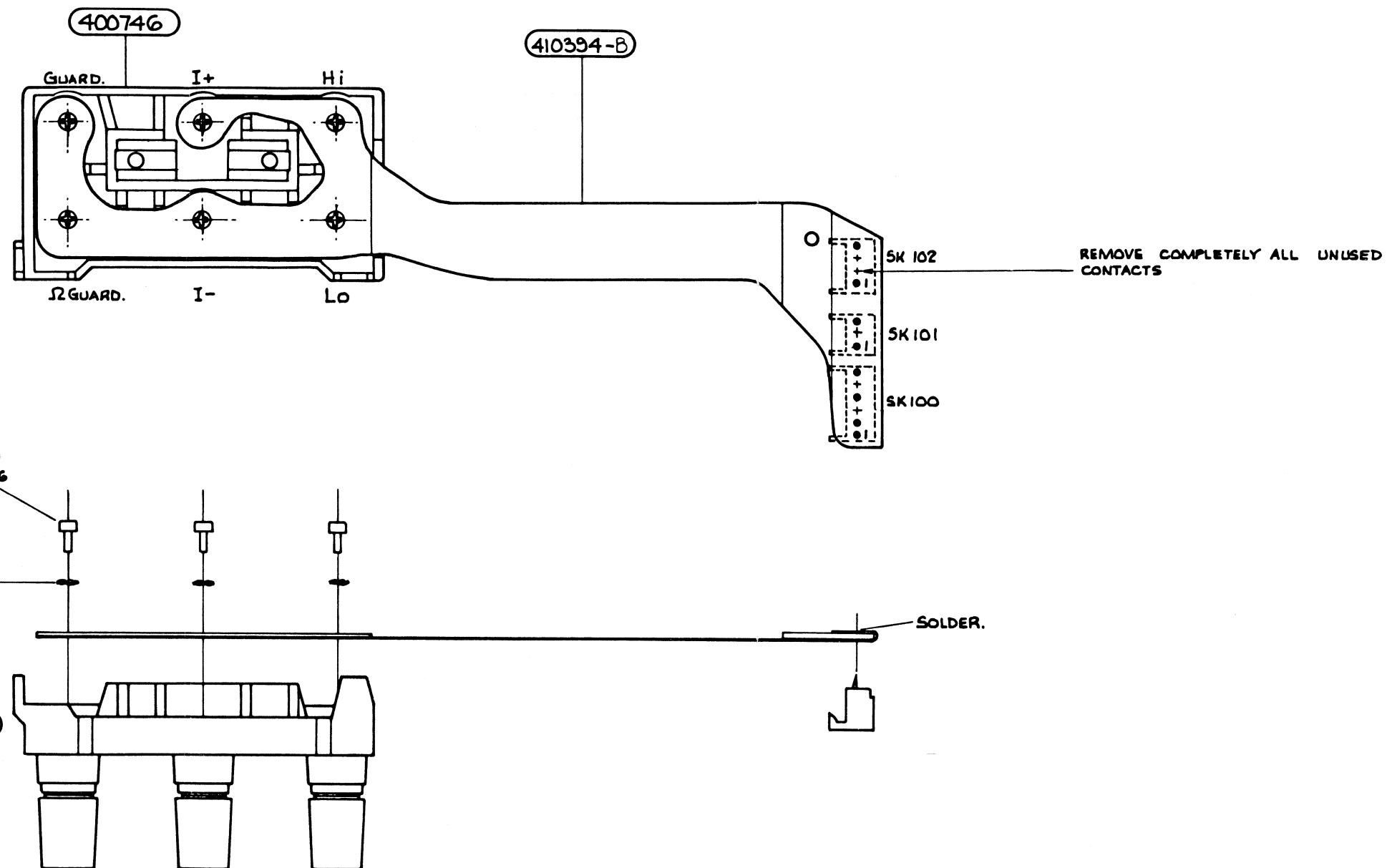
VIEW FROM FRONT OF COVER.
NOTE DIRECTION OF BEND OF 450506 GUARD SCREEN
AND 450496 TILT STAND.



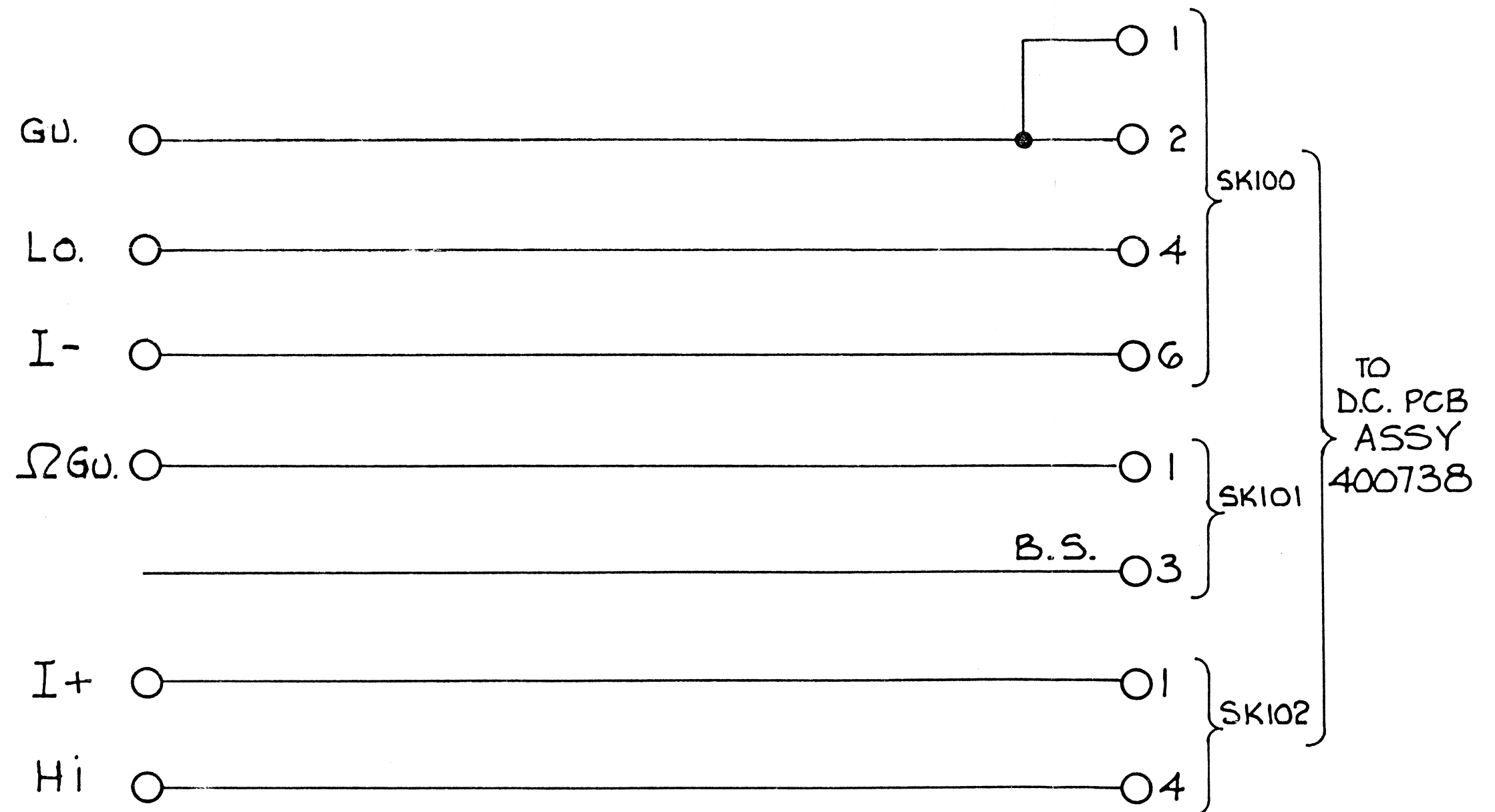
NOTE.

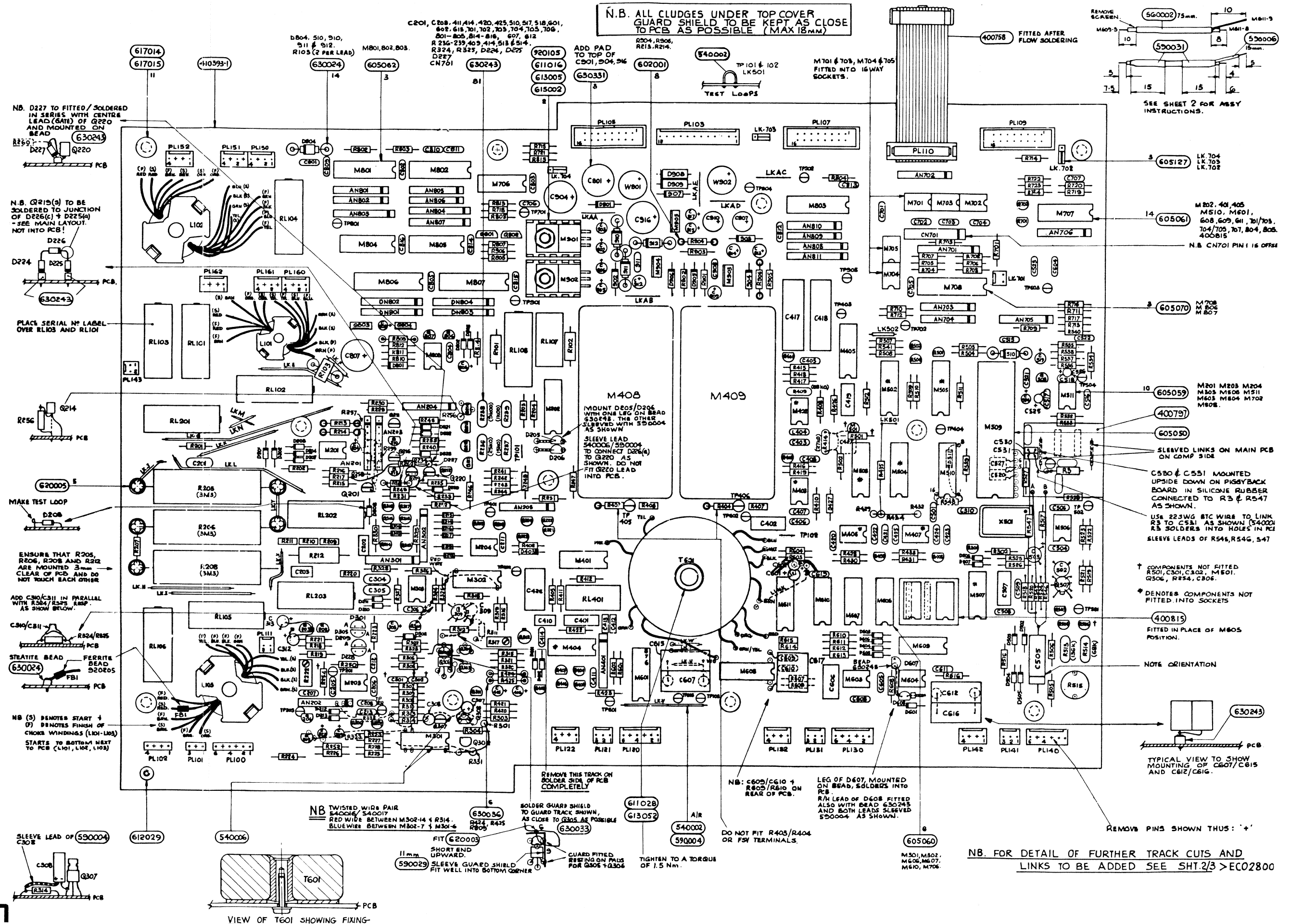
CRIMP TOOL FOR **605057** MOLEX No HTR2262A.

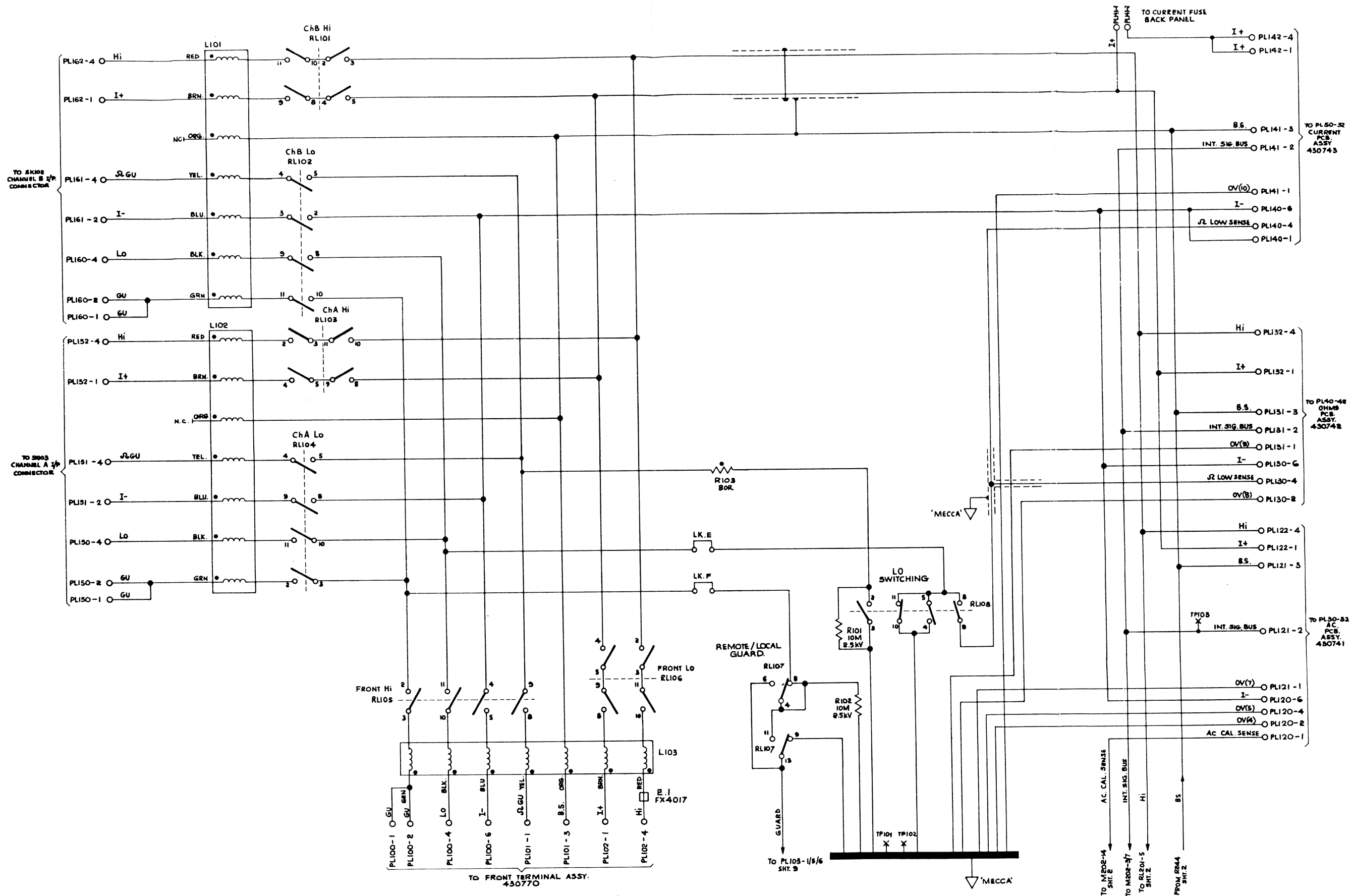
CRIMP TOOL FOR **605077** MOLEX No HTR2445A.

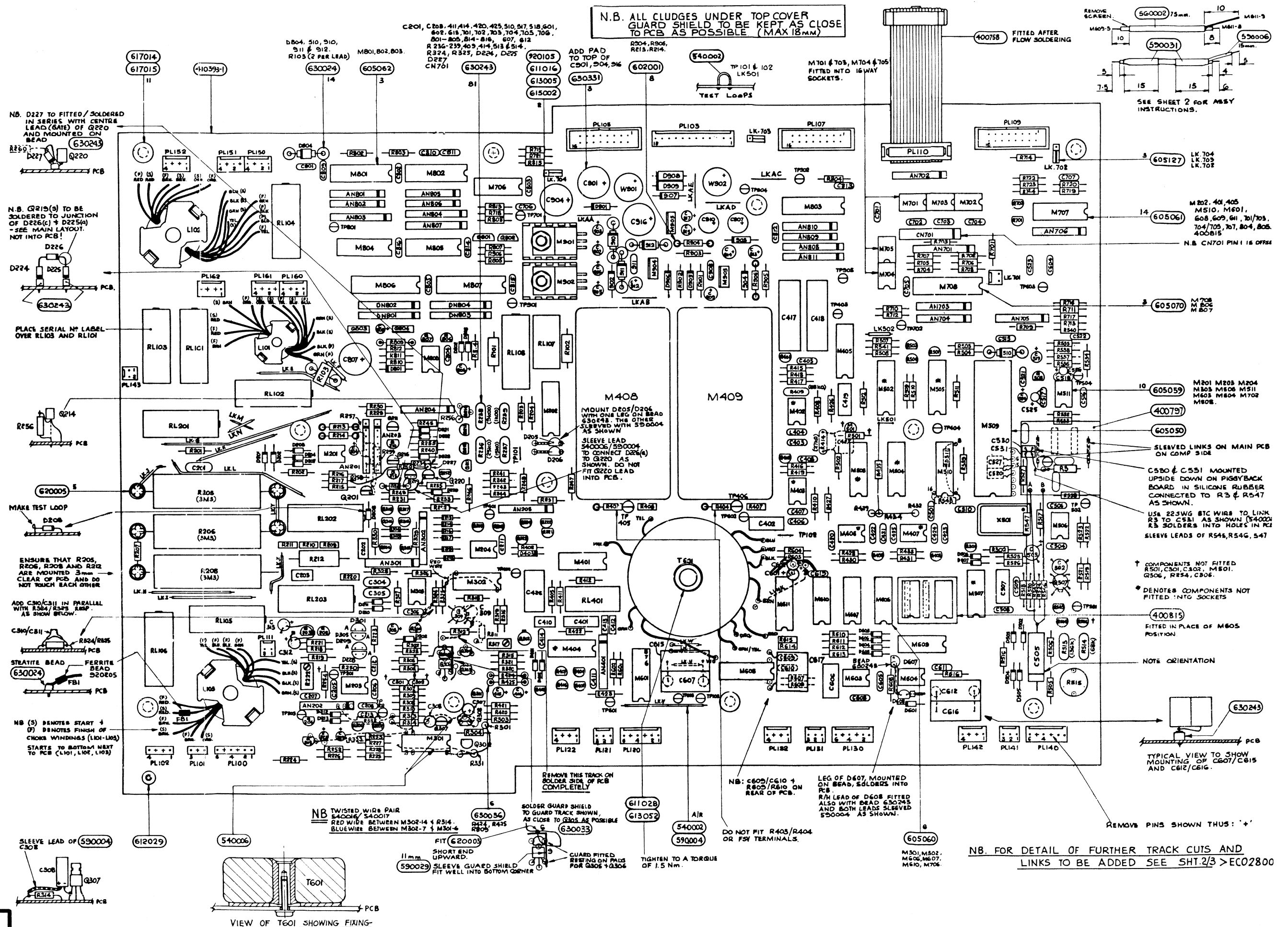


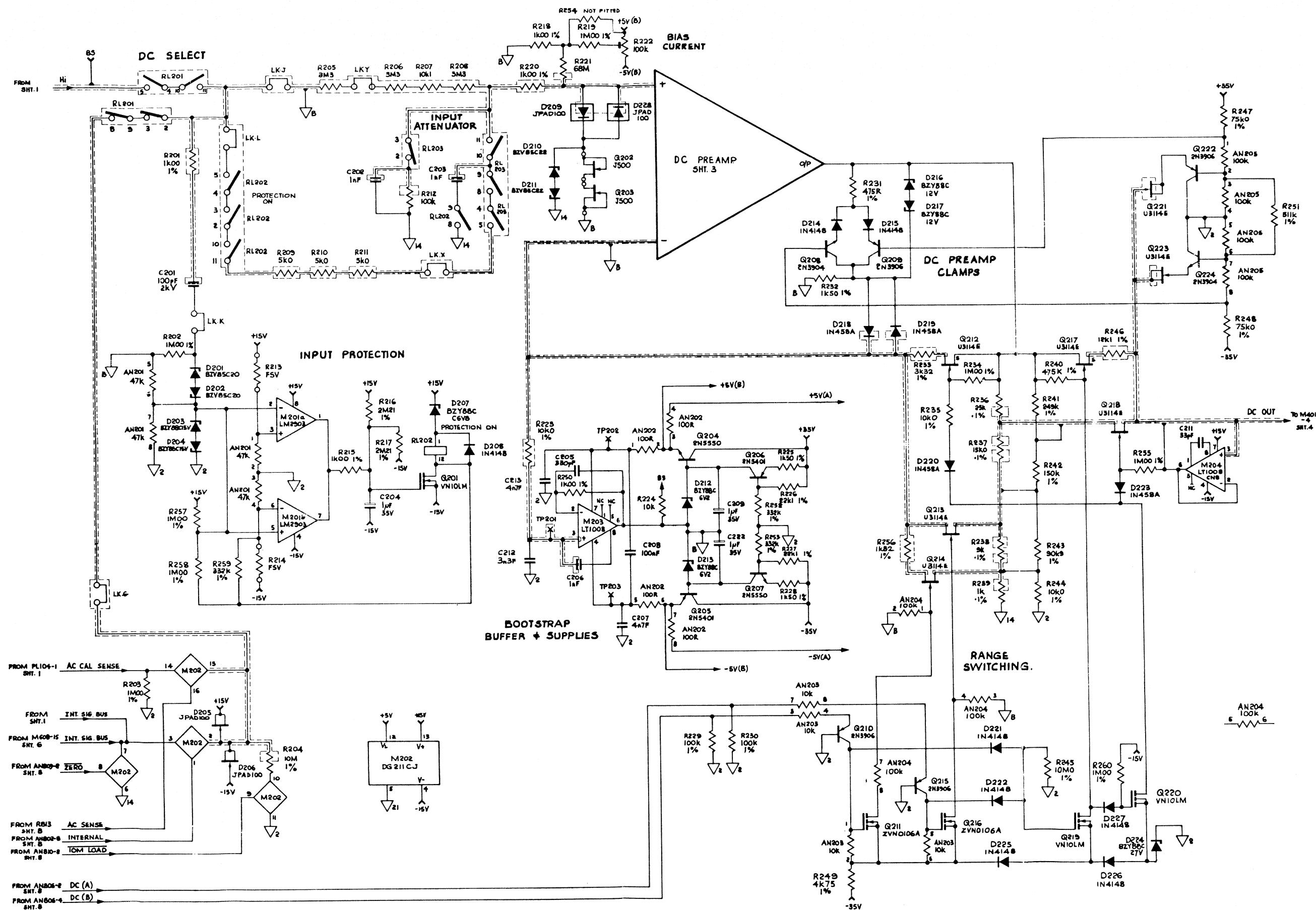
FRONT
PANEL
TERMINALS.











D.C. ASSEMBLY

D.C. Switching, Protection and Ranging

Drawing No. 430738

Sheet 2 of 9

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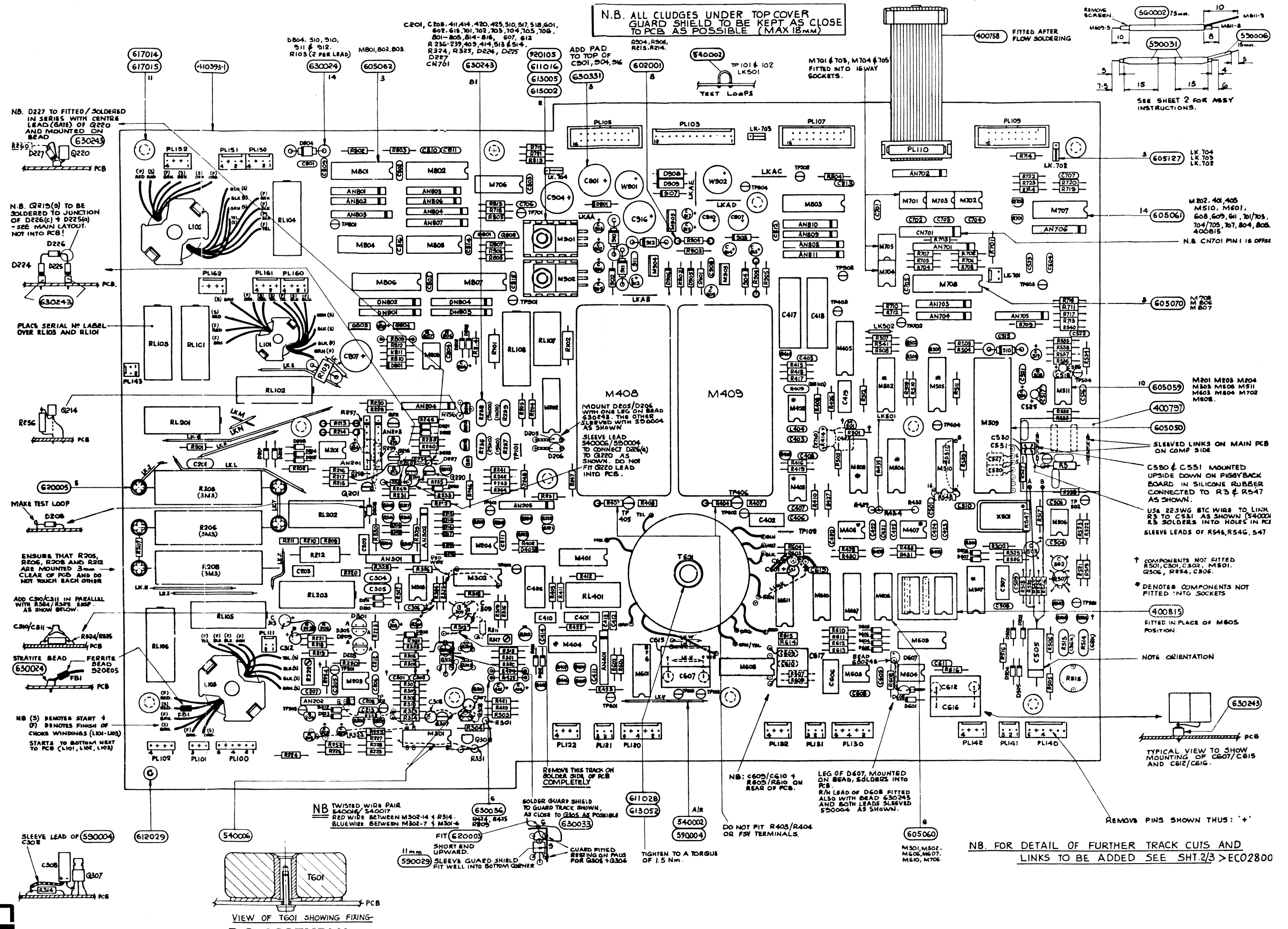


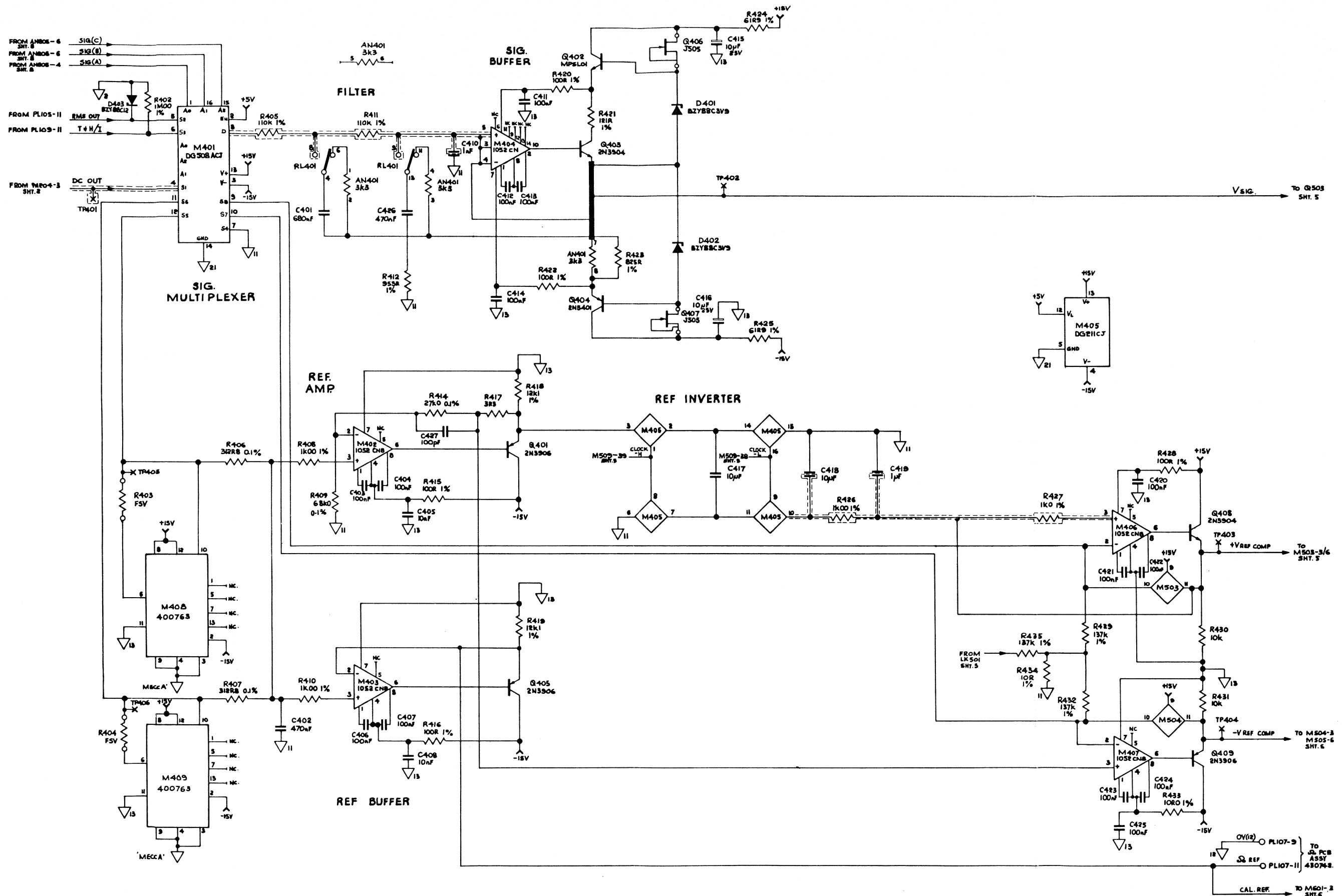
D.C. ASSEMBLY

D.C. Preamplifier

Drawing No. 430738

Sheet 3 of 9





1281

D.C. ASSEMBLY

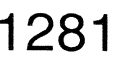
References and Signal Switching

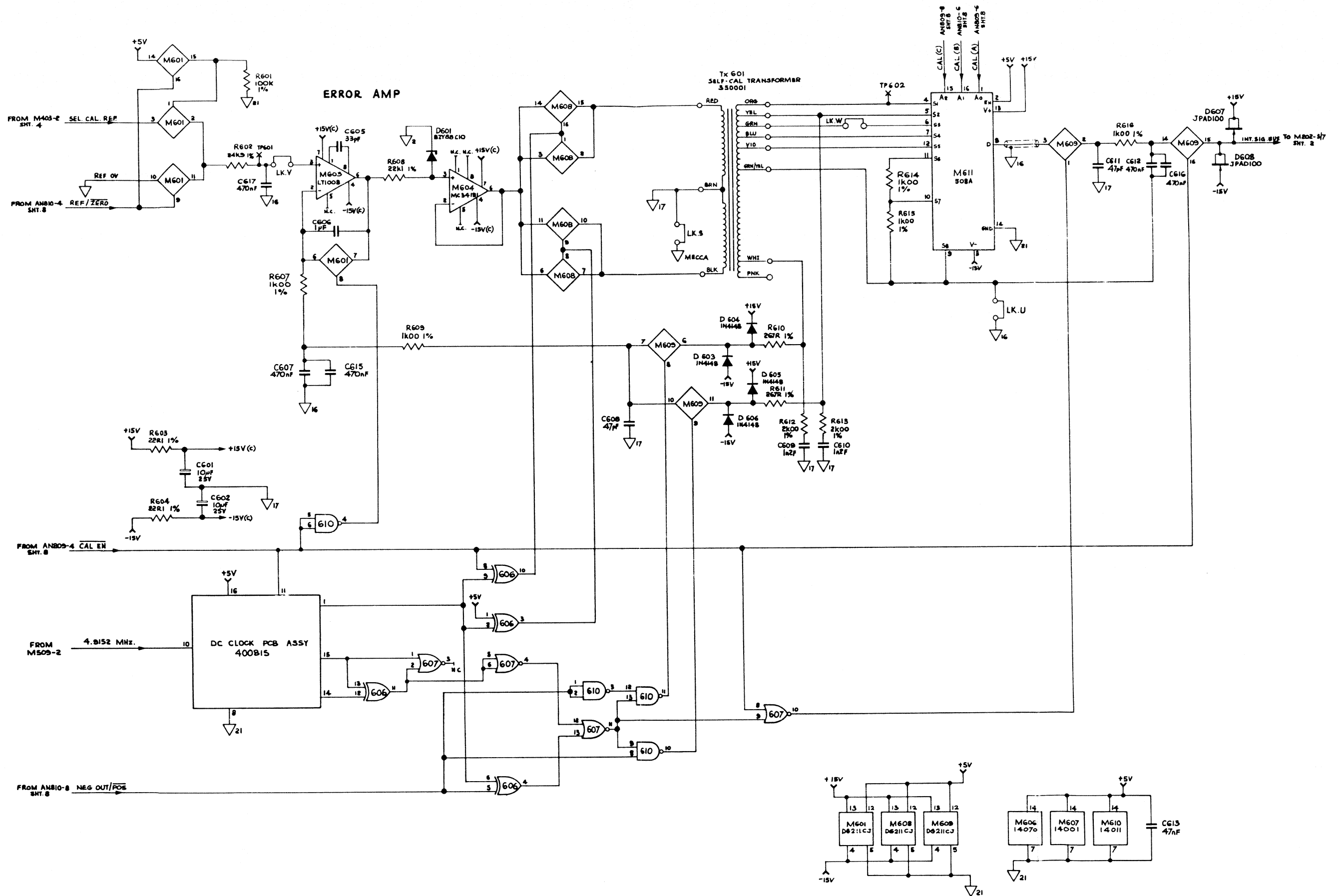
Drawing No. 430738

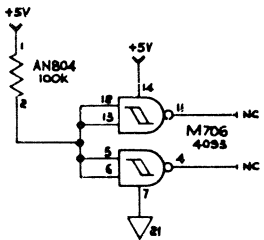
Sheet 4 of 9

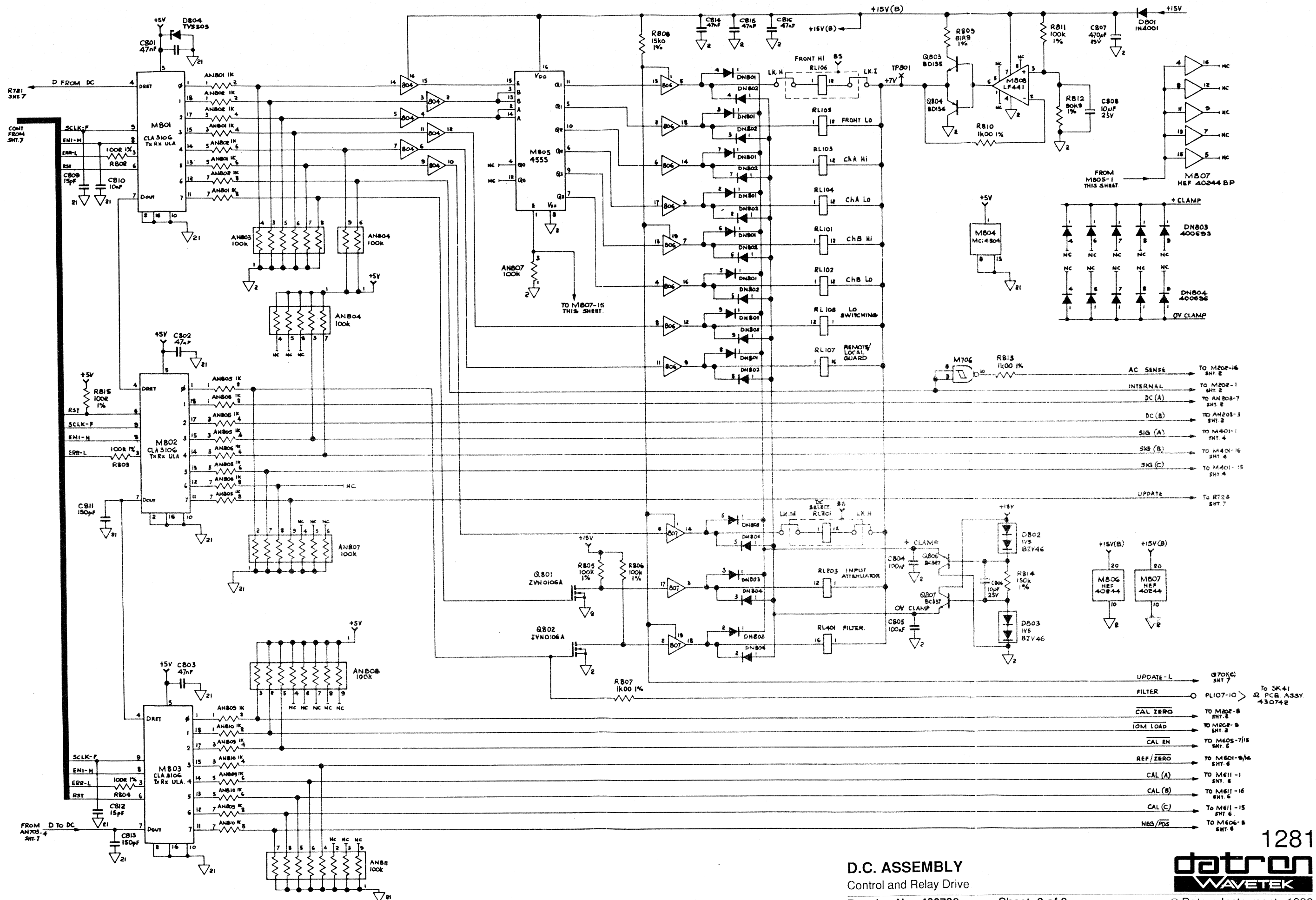
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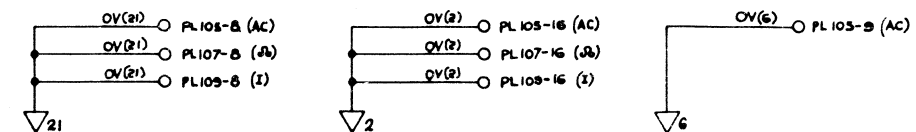
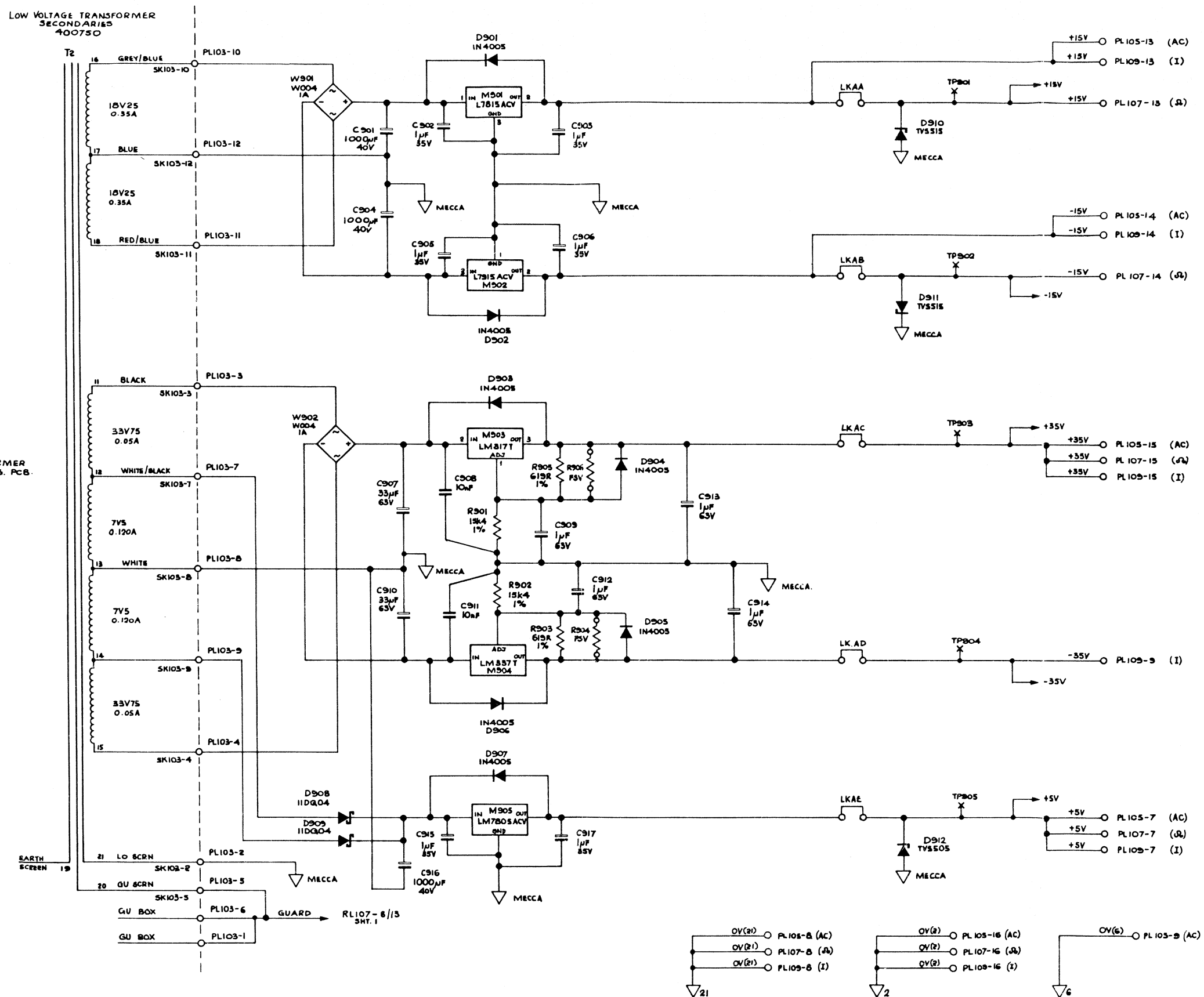


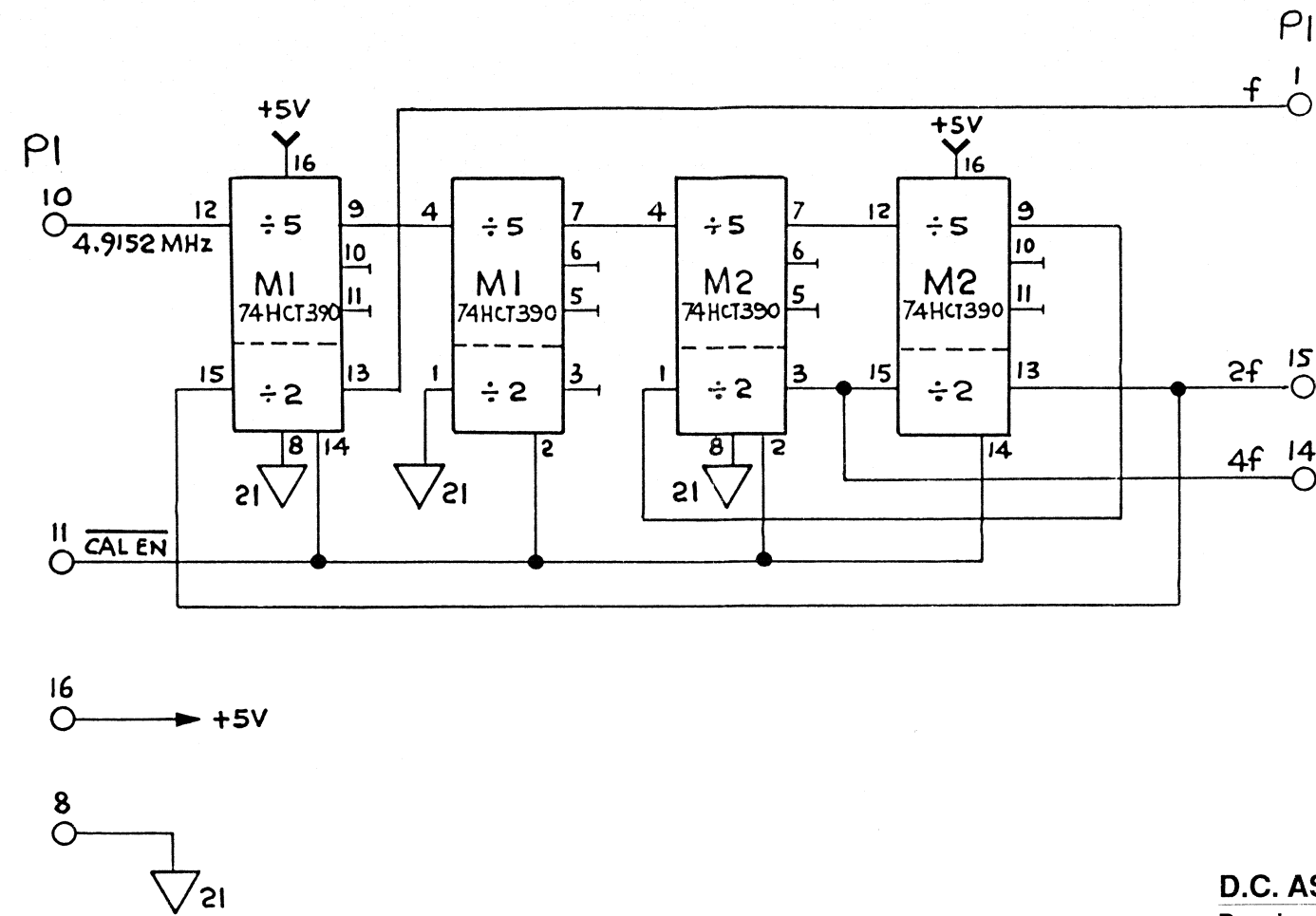




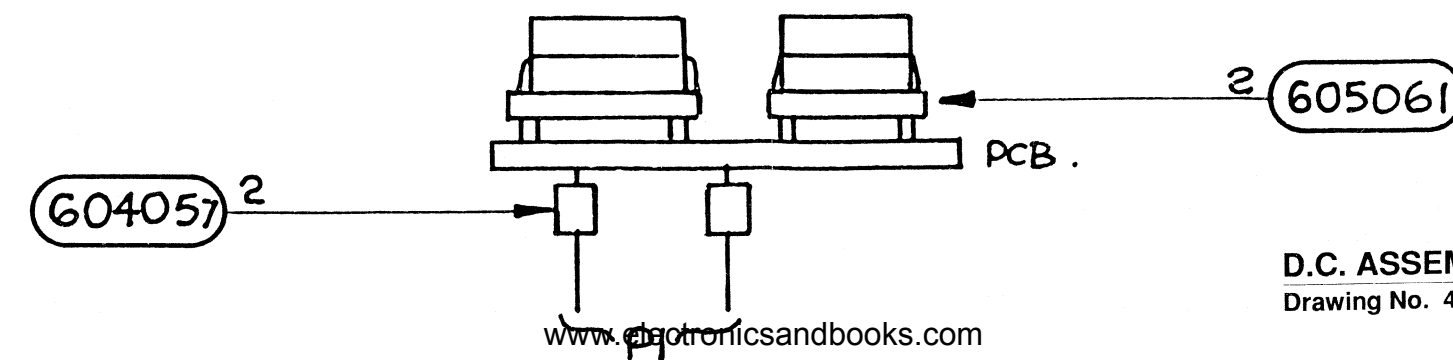
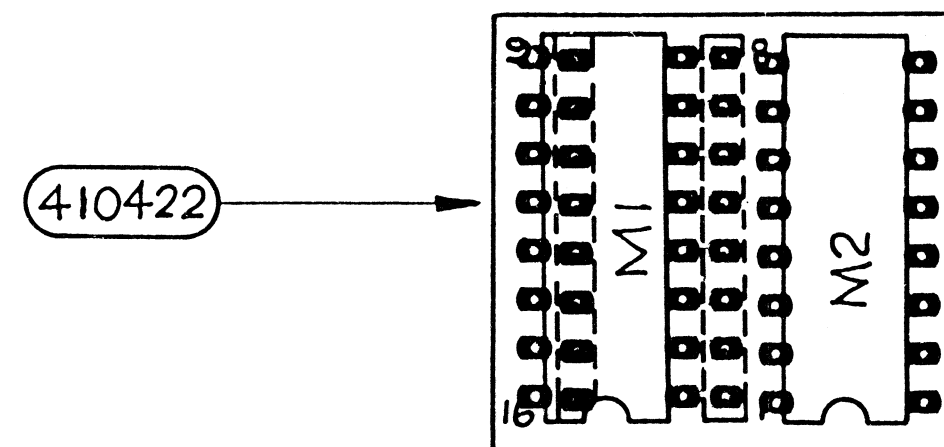


FROM L.V. TRANSFORMER
PRIMARYS SEE FIG. PCB.
430740.





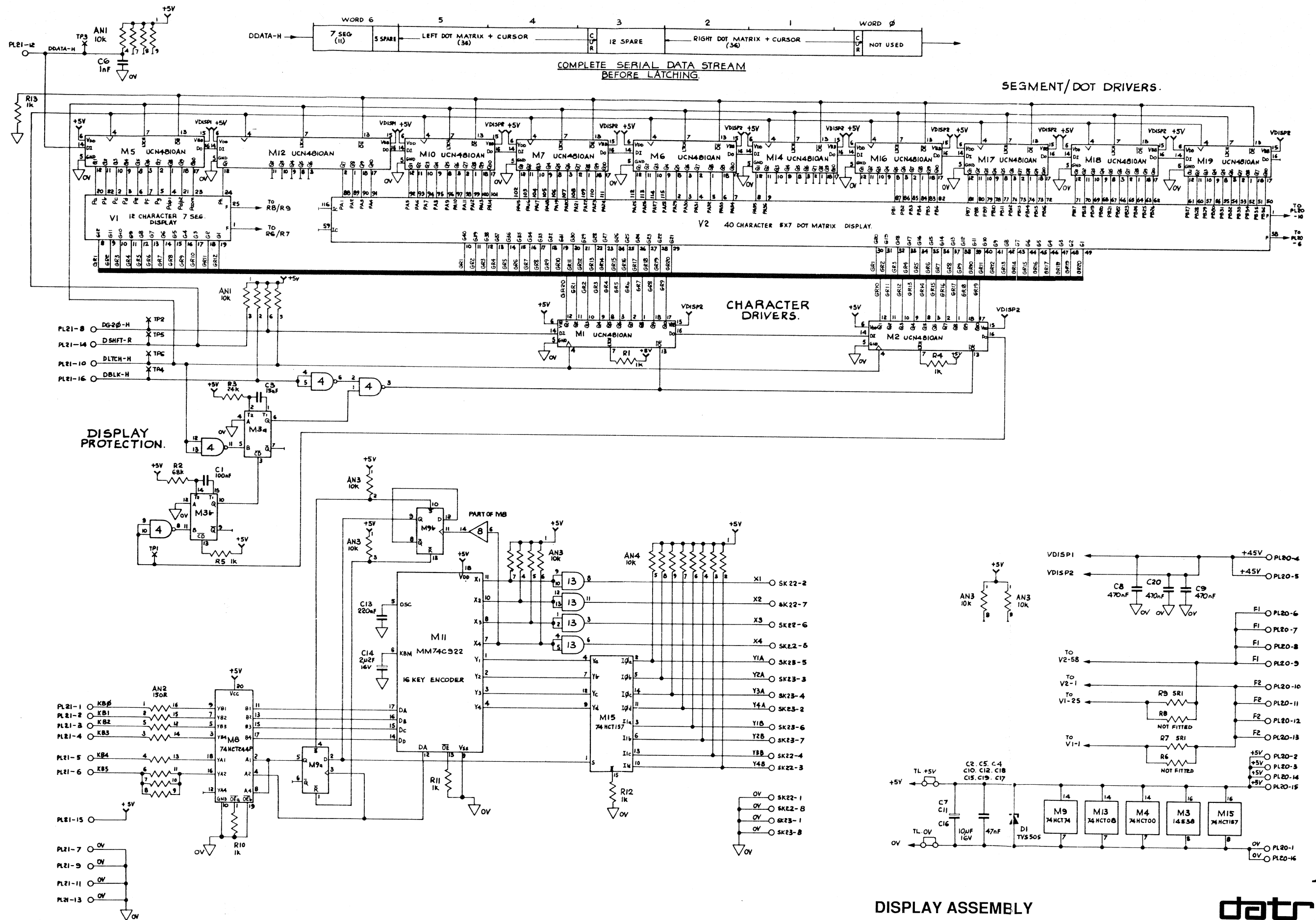
D.C. ASSEMBLY : CLOCK BOARD
 Drawing No. 430815 Sheet 1



D.C. ASSEMBLY : CLOCK BOARD
 Drawing No. 480815 Sheet 1

The diagram shows a two-wire transmission line. The top wire is labeled with a circled '8' and the bottom wire with a circled '2'. A shunt load, represented by a trapezoidal shape with a vertical line through its center, is connected between the two wires. The load is positioned between two vertical segments of the top wire, which are separated by a gap. The bottom wire is a continuous horizontal line. A lightning bolt symbol is at the right end of the bottom wire.





1281 DISPLAY ASSEMBLY

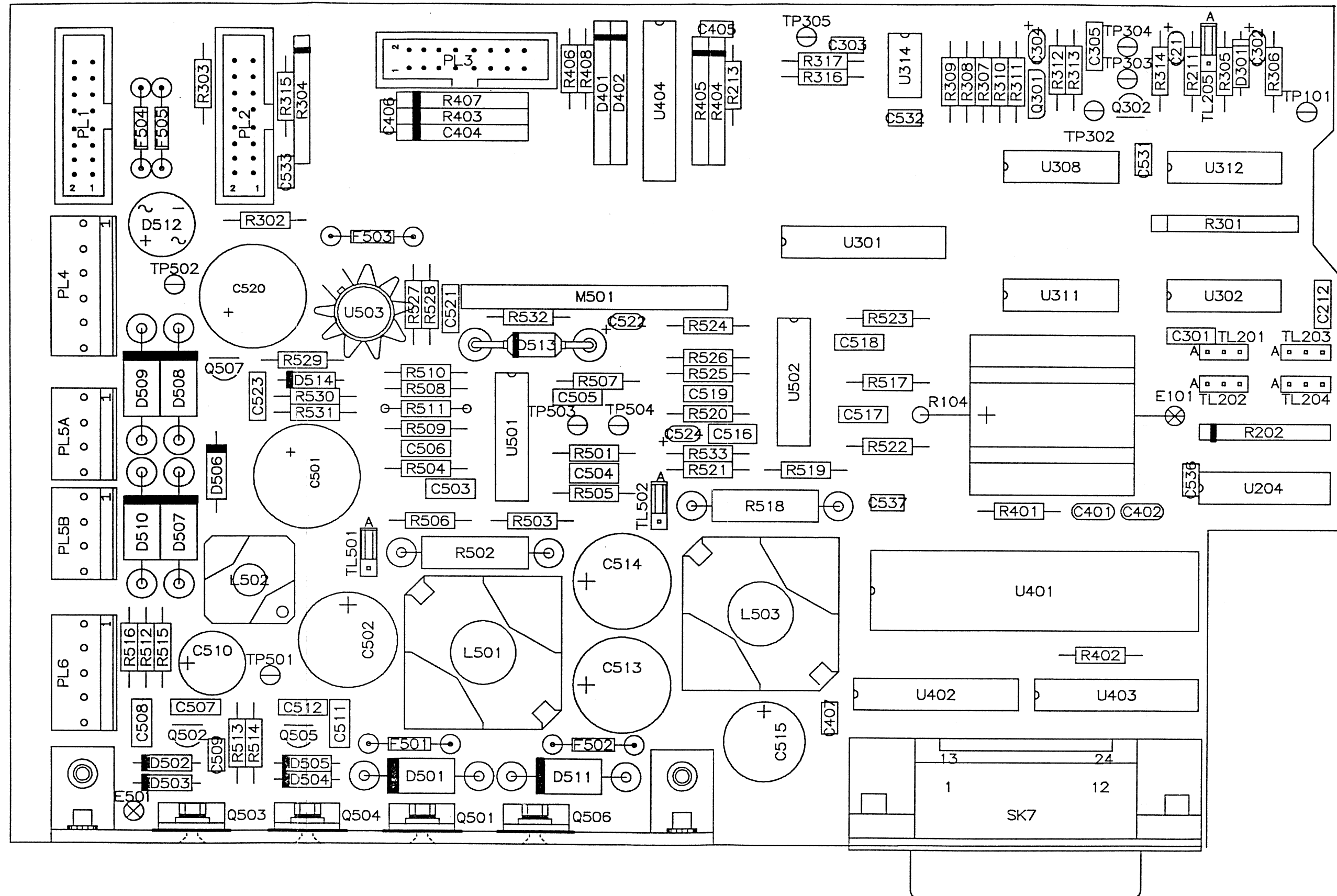
Display Driver

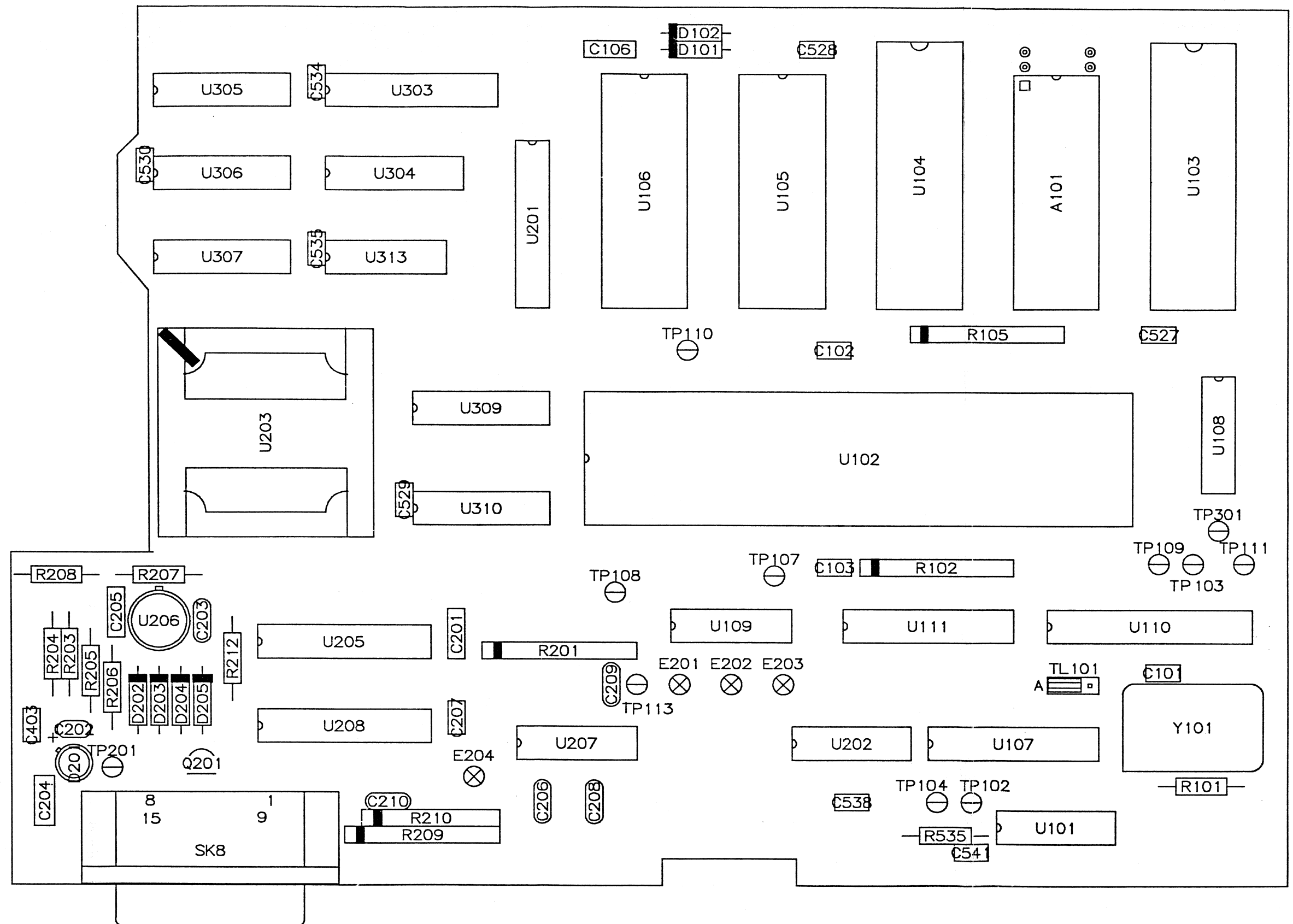
Drawing No. 430739

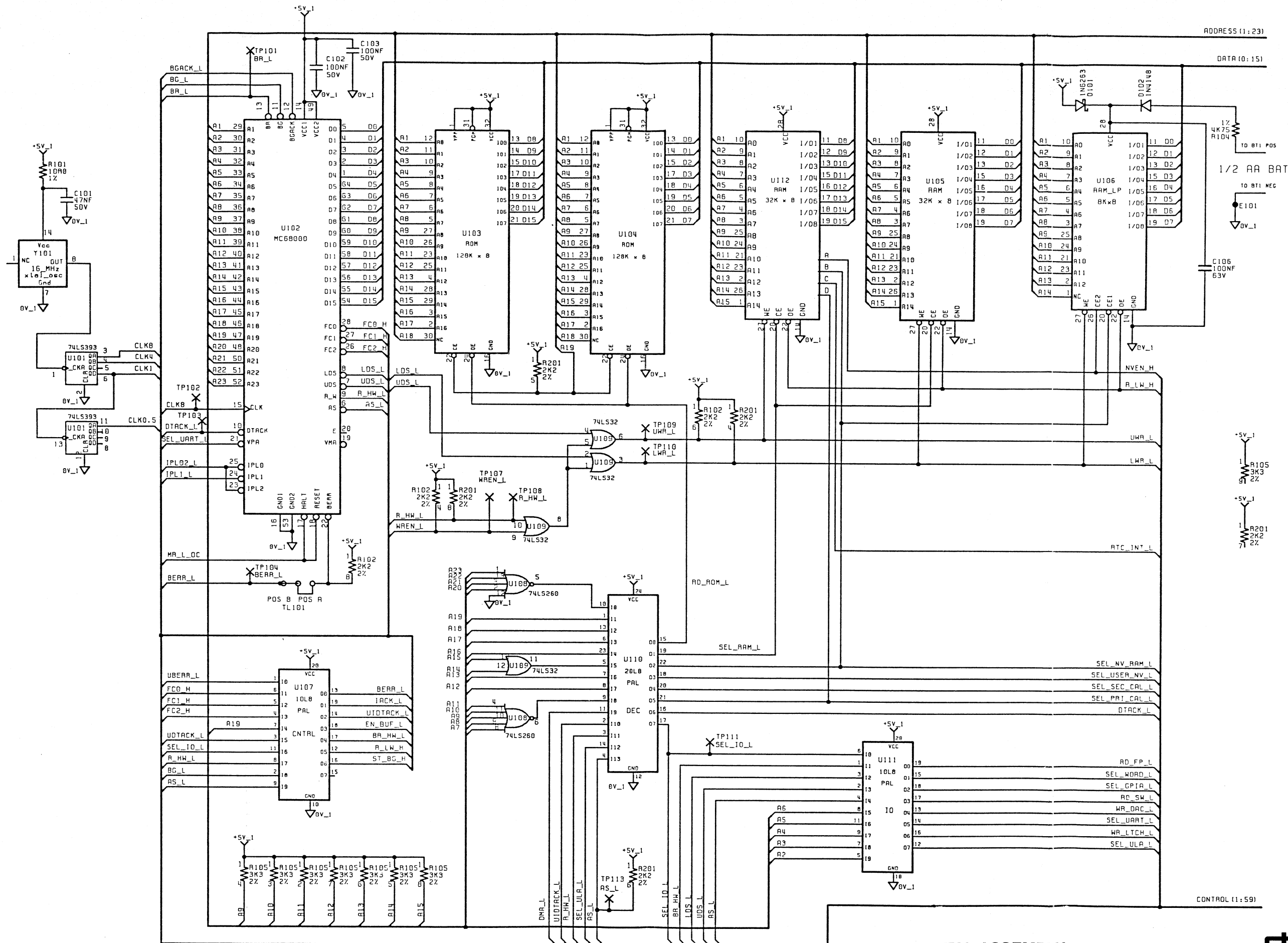
Sheet 1 of 1

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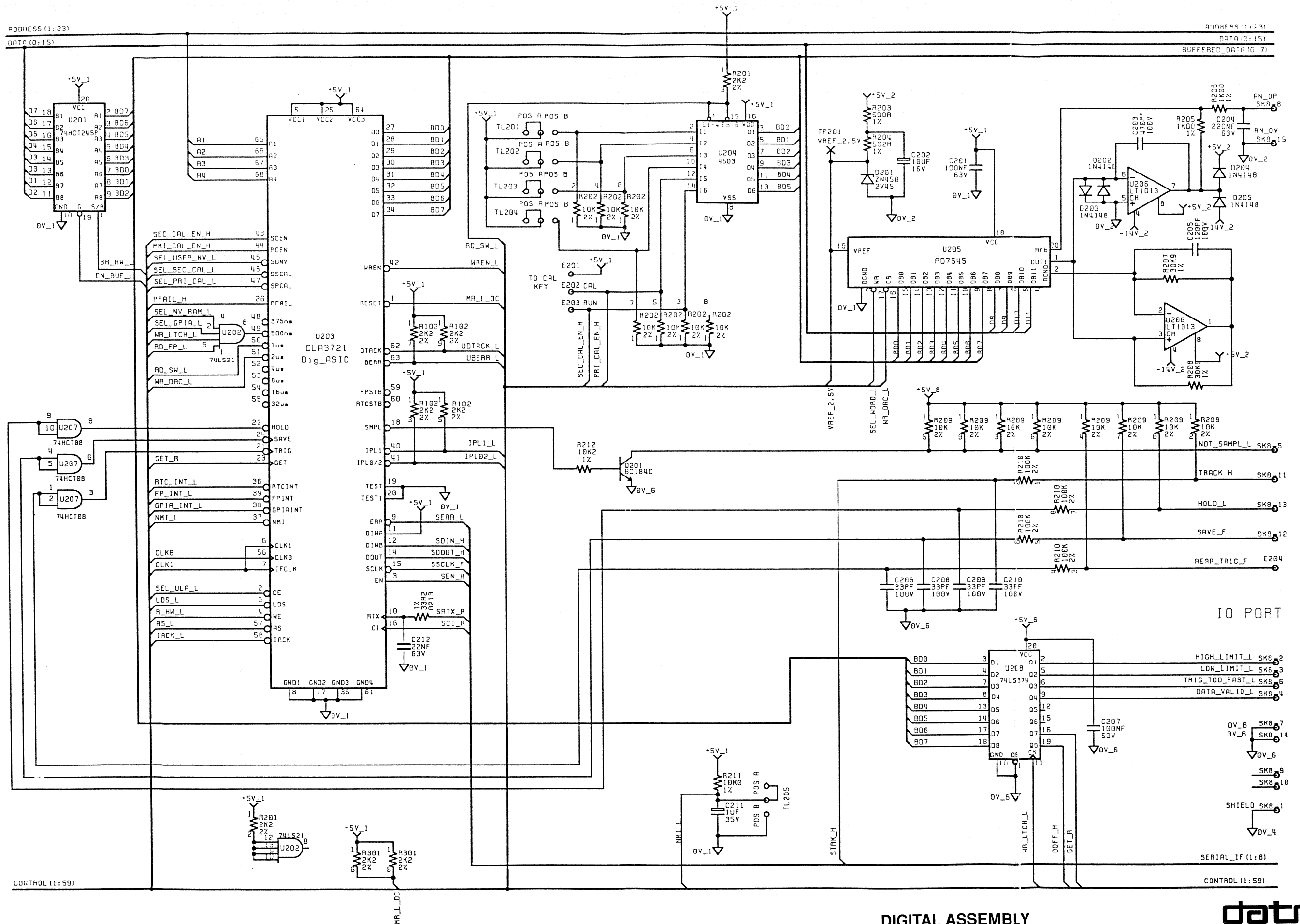
DIGITAL ASSEMBLY

Processor, Address Decoding and Memory

Drawing No. DC400901 Sheet 1 of 5

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DIGITAL ASSEMBLY

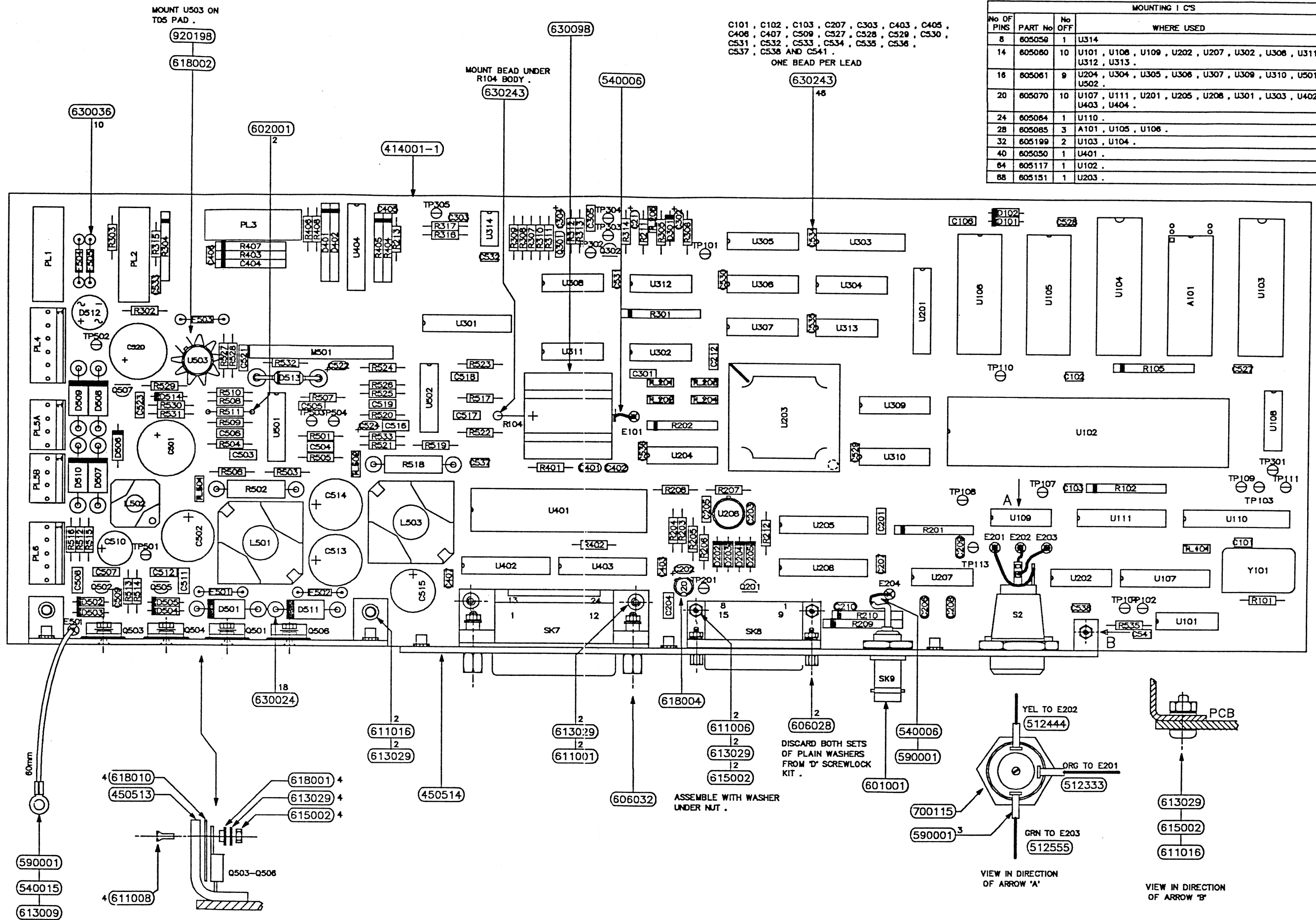
ASIC and I/O

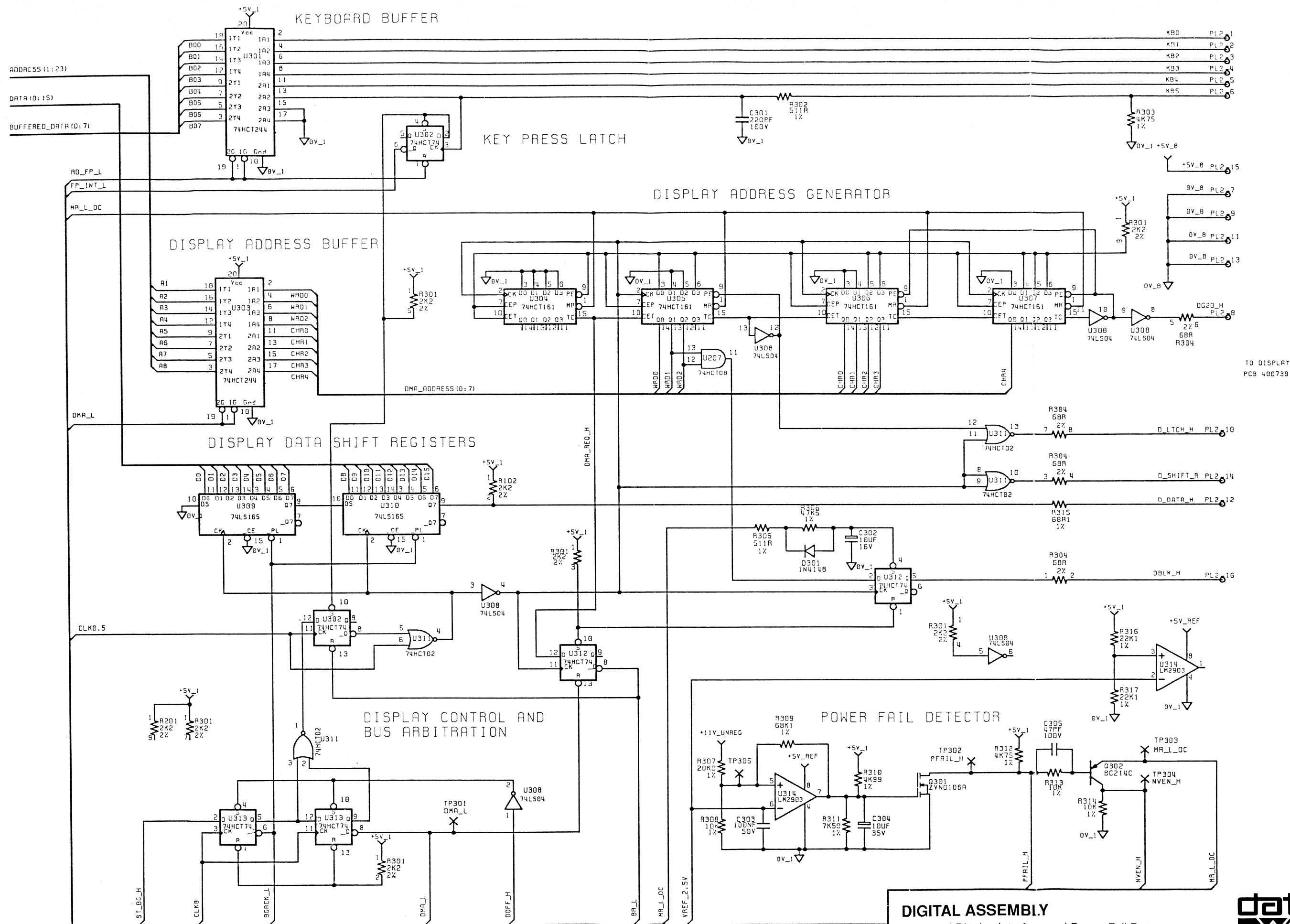
Drawing No. DC400901

Sheet 2 of 5

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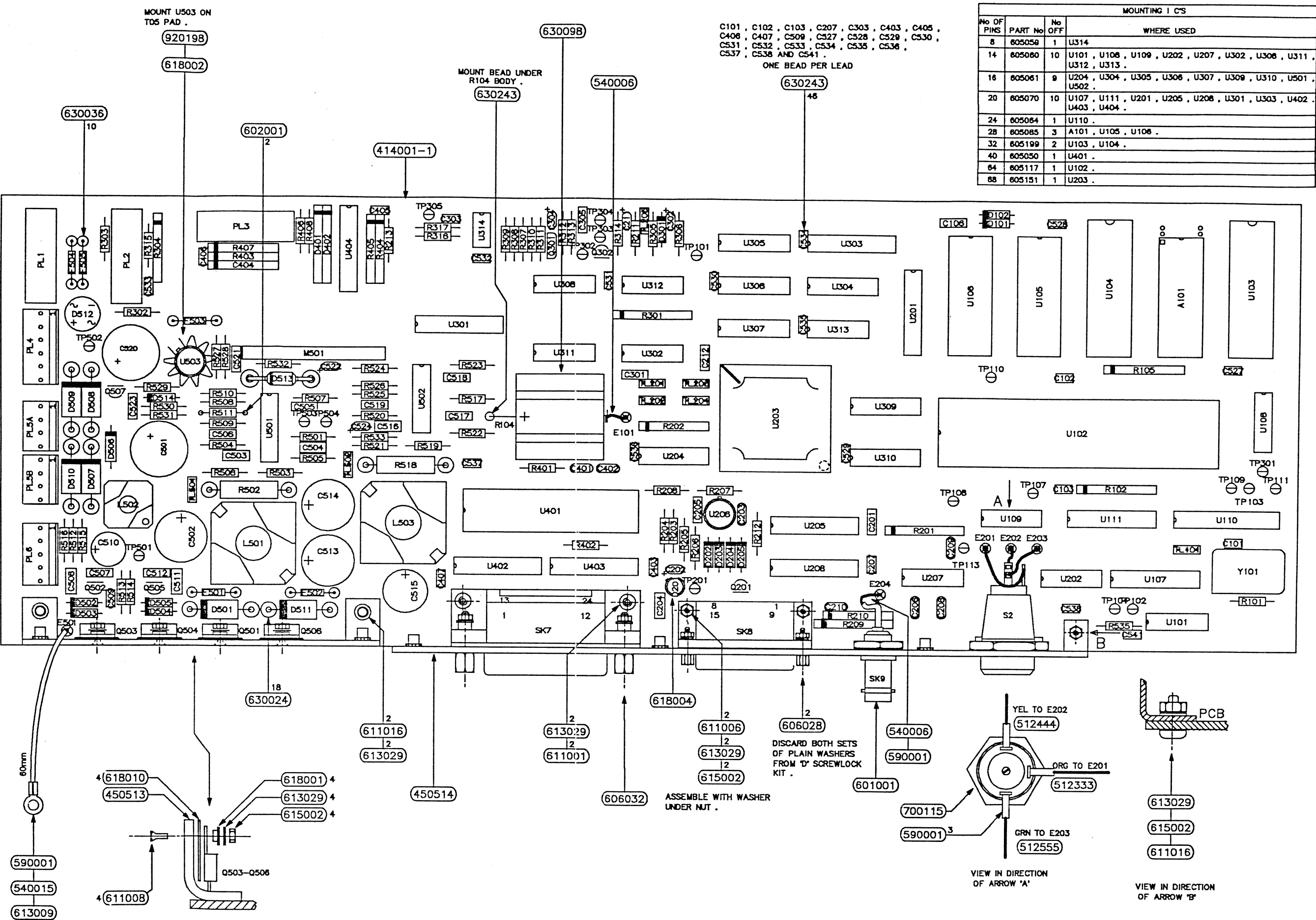
DIGITAL ASSEMBLY

Keyboard/Display Interface and Power Fail Detector

Drawing No. DC400901 Sheet 3 of 5

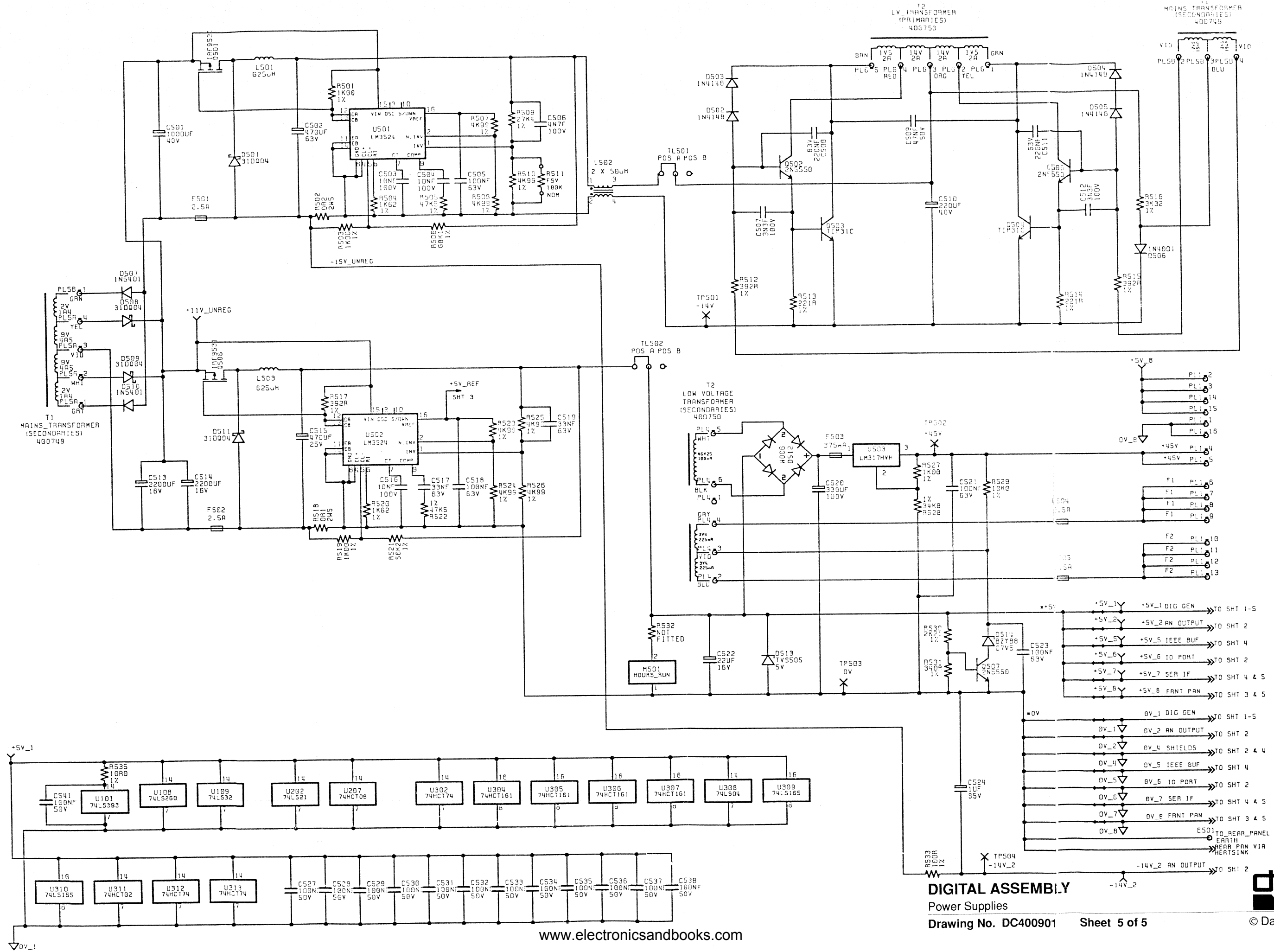


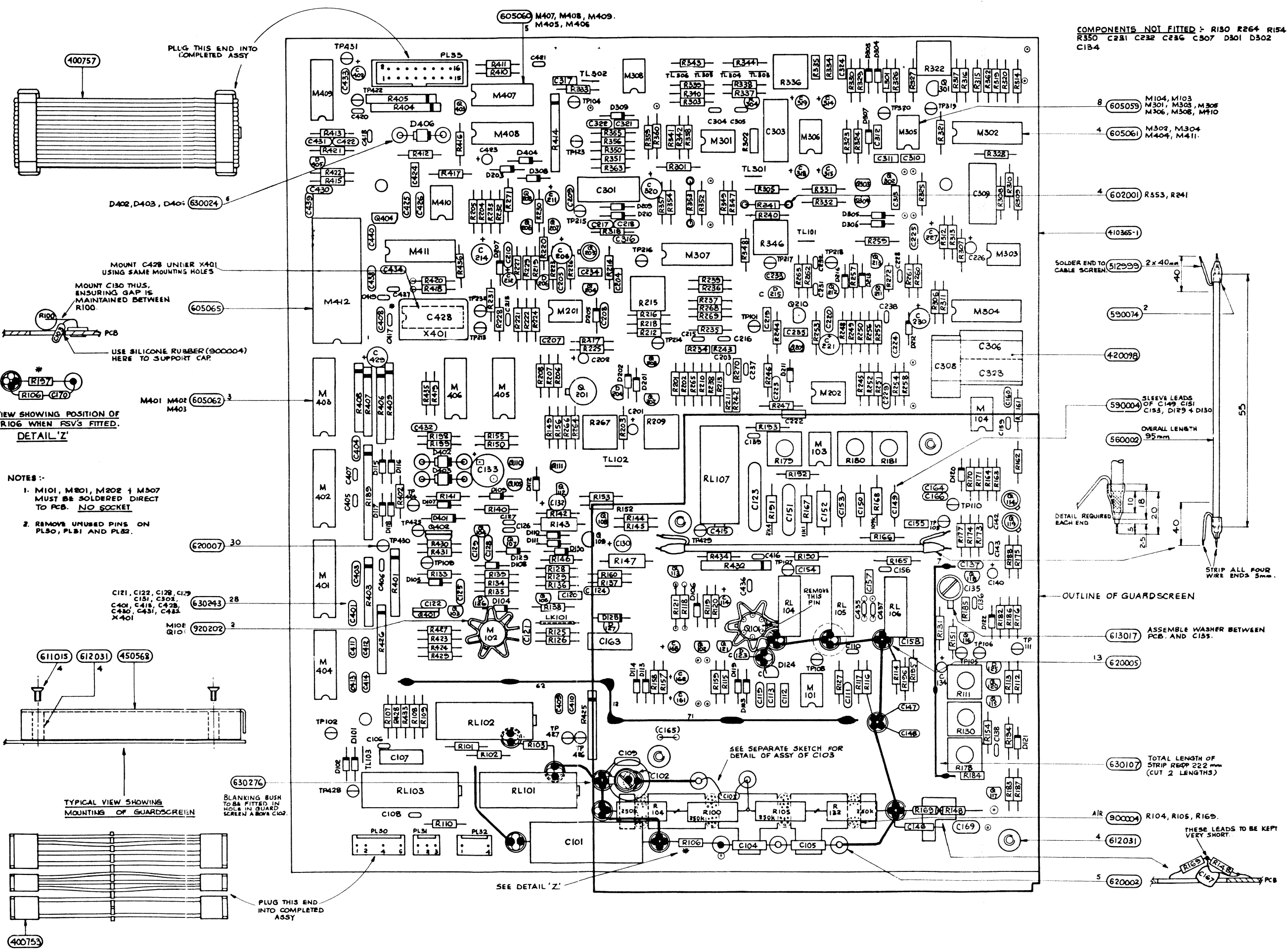
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DIGITAL ASSEMBLY

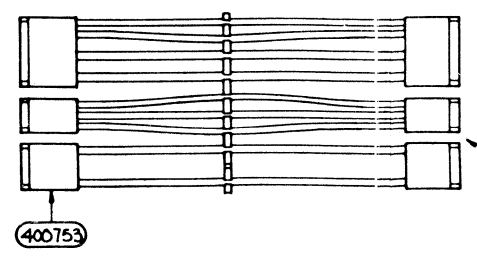
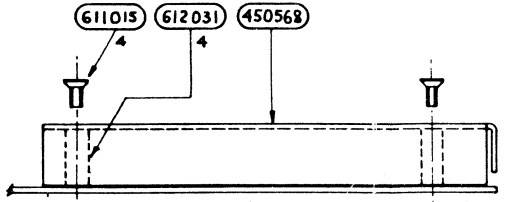
Drawing No. DA400901 Sheet 1 of 3
N.B. expanded versions are on Sheets 2 and 3 (page 11.4-1)





VIEW SHOWING POSITION OF
R106 WHEN RSV'S FITTED.
DETAIL 'Z'

- NOTES:-
1. M101, M201, M202 & M307
MUST BE SOLDERED DIRECT
TO PCB. NO SOCKET.
 2. REMOVE UNUSED PINS ON
PL30, PL31 AND PL32.



A.C. ASSEMBLY

Drawing No. 480741

Sheet 1

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A.C. ASSEMBLY

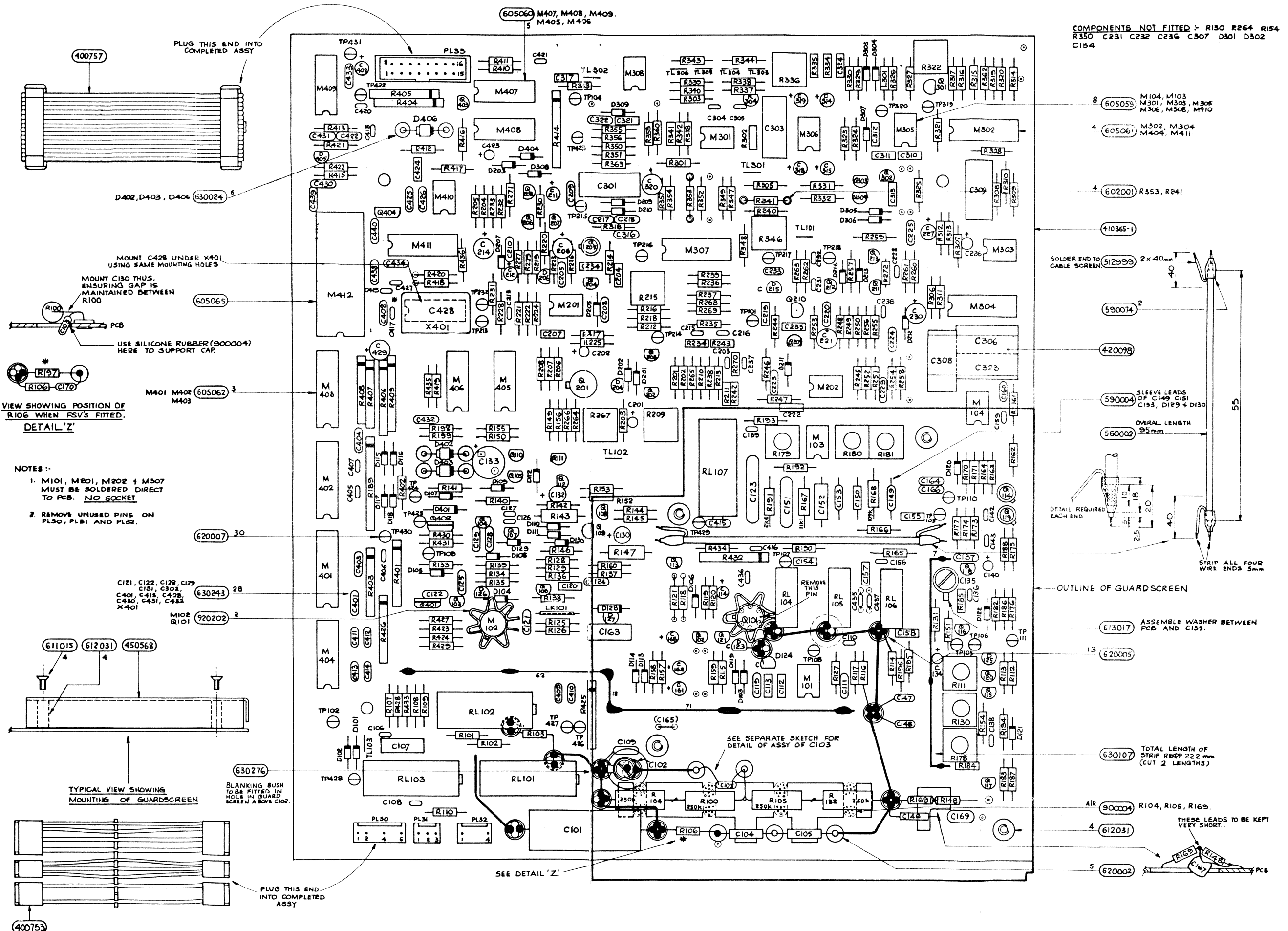
Preamplifier

Drawing No. 430741

Sheet 1 of 4

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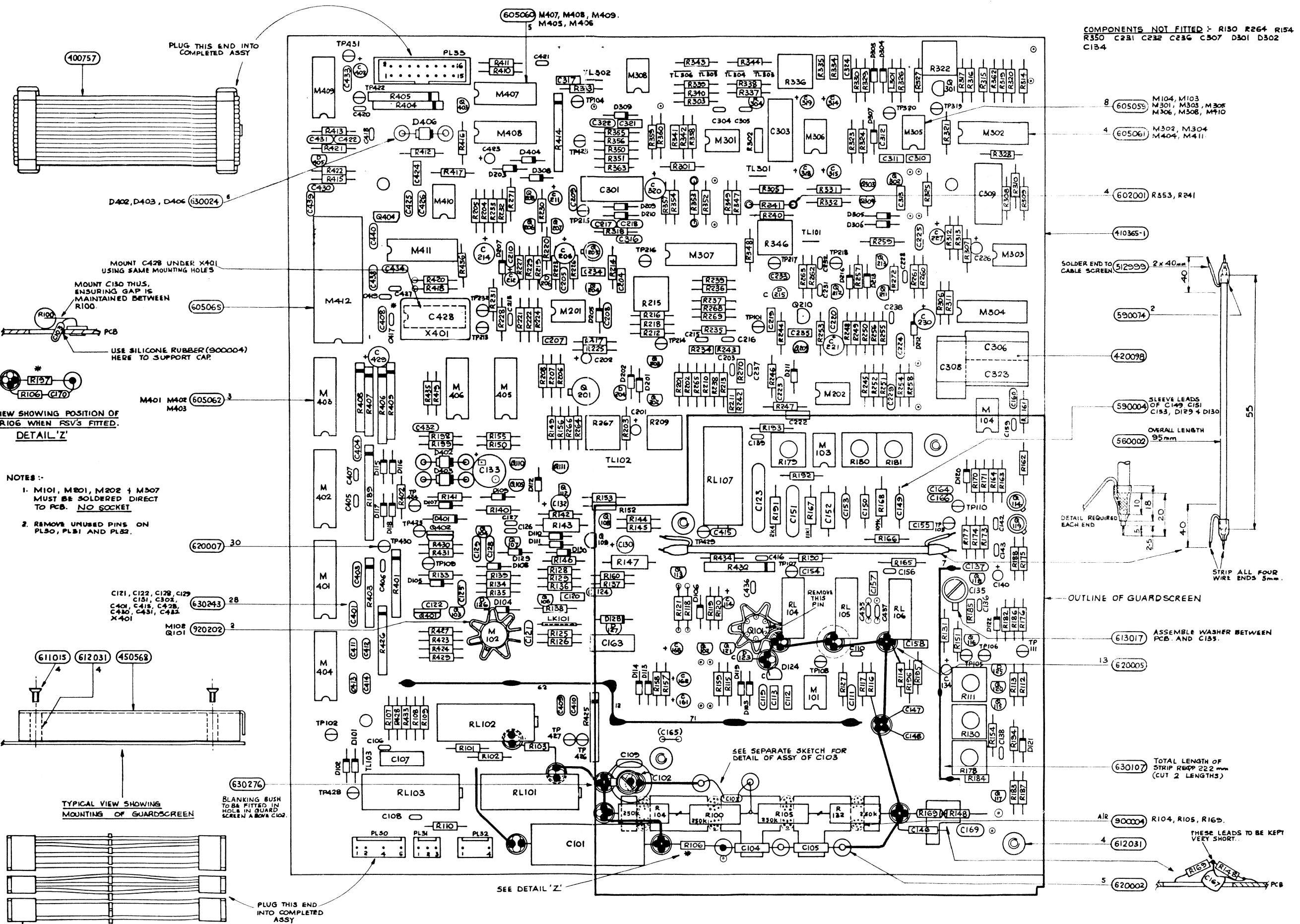


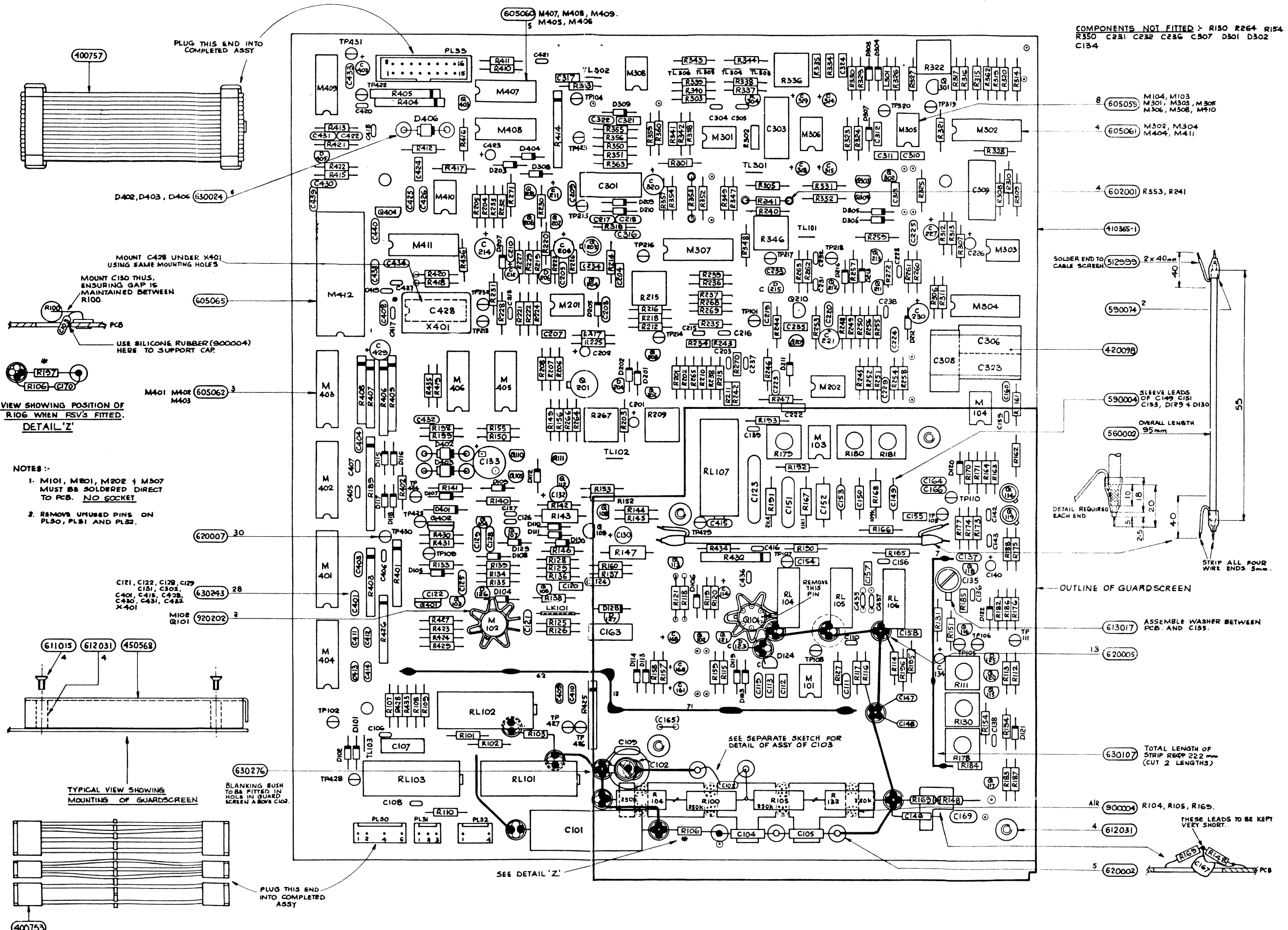
A.C. ASSEMBLY

Precision Rectifier and Logarithmic Amplifier

Drawing No. 430741

Sheet 2 of 4



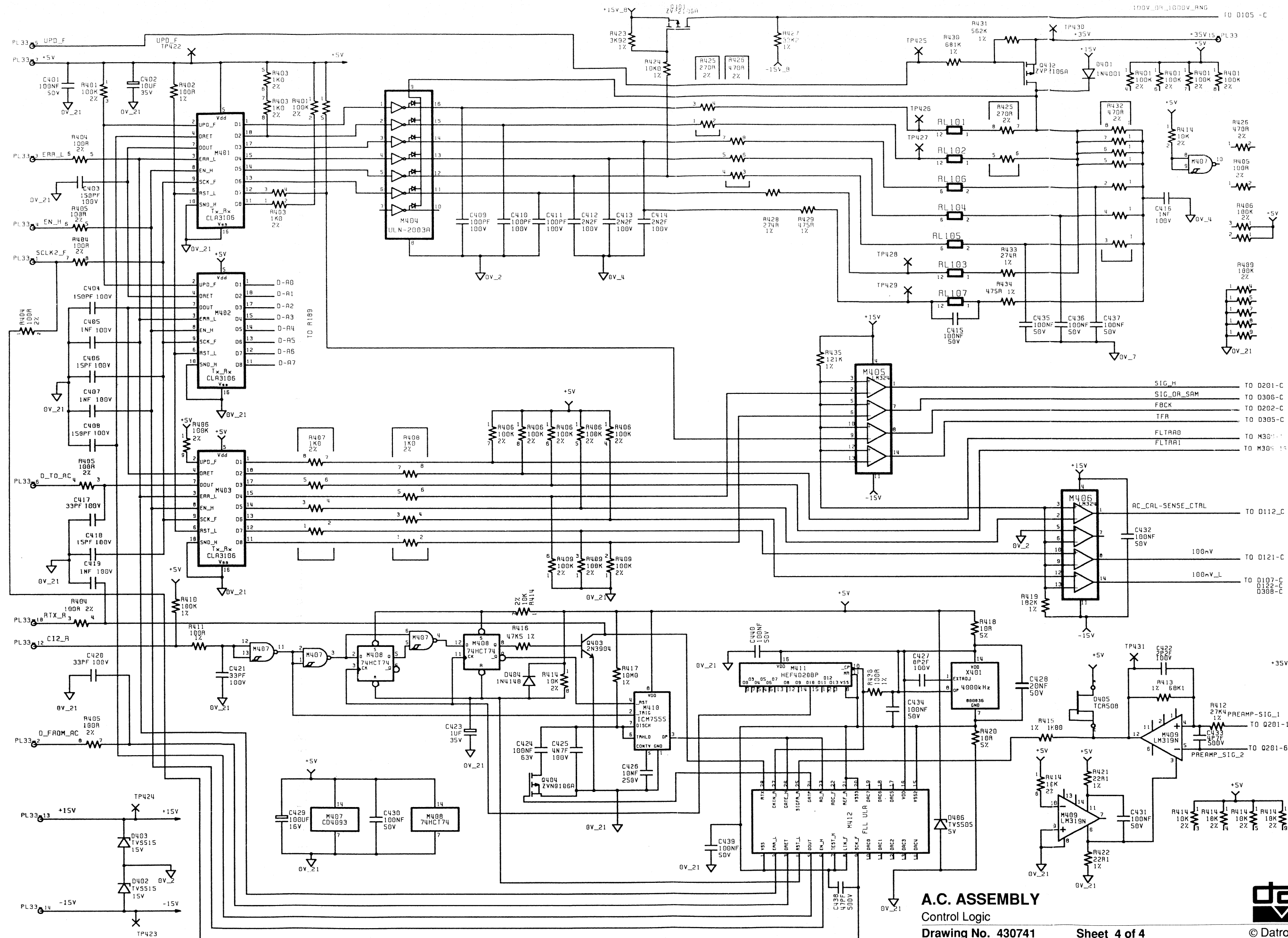


VIEW SHOWING POSITION OF R106 WHEN RSV3 IS FITTED. DETAIL 'Z'

NOTES:-

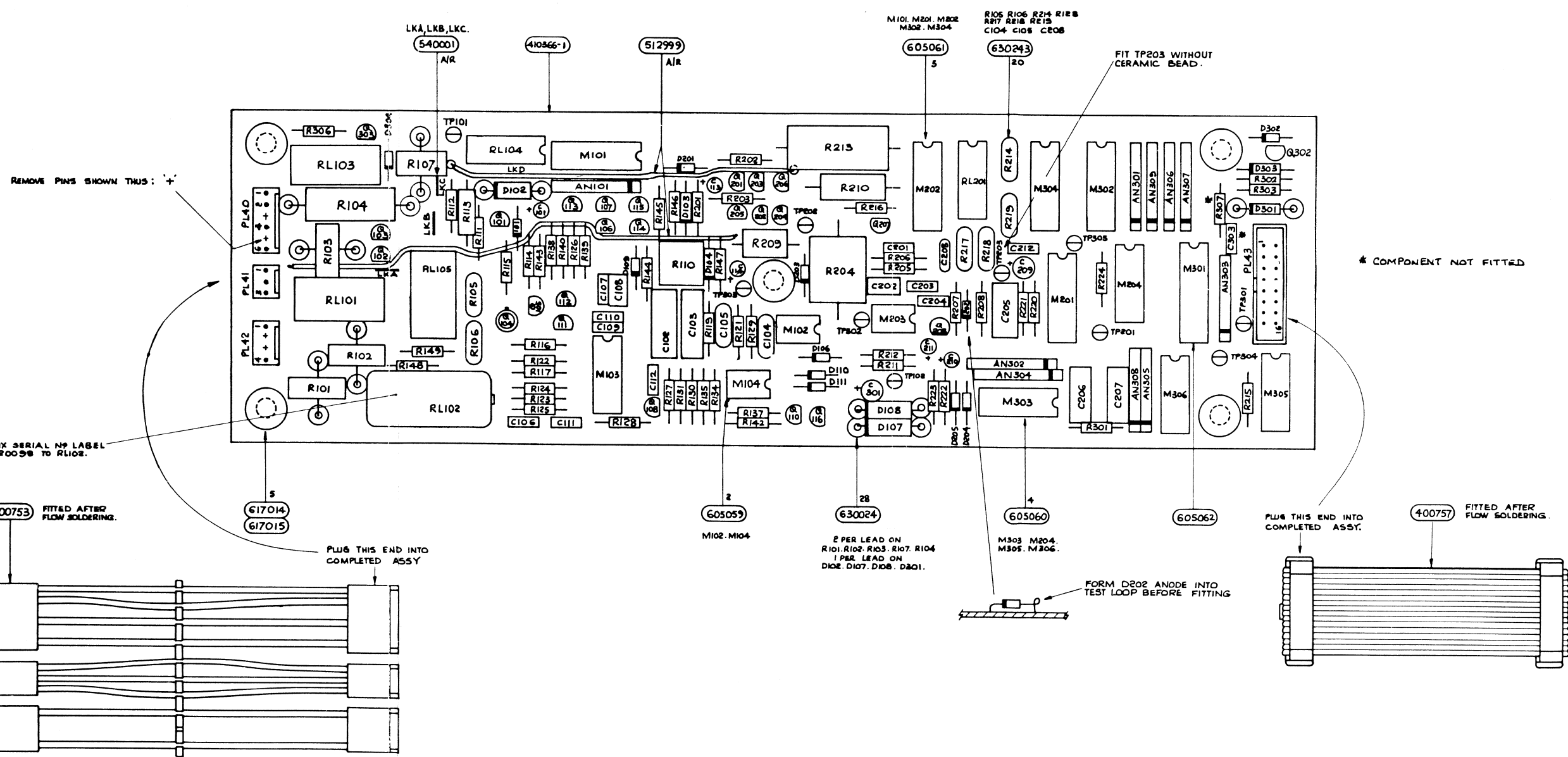
1. M101, M201, M202 + M307 MUST BE SOLDERED DIRECT TO PCB. NO SOCKET
2. REMOVE UNUSED PINS ON PL30, PL31 AND PL32.

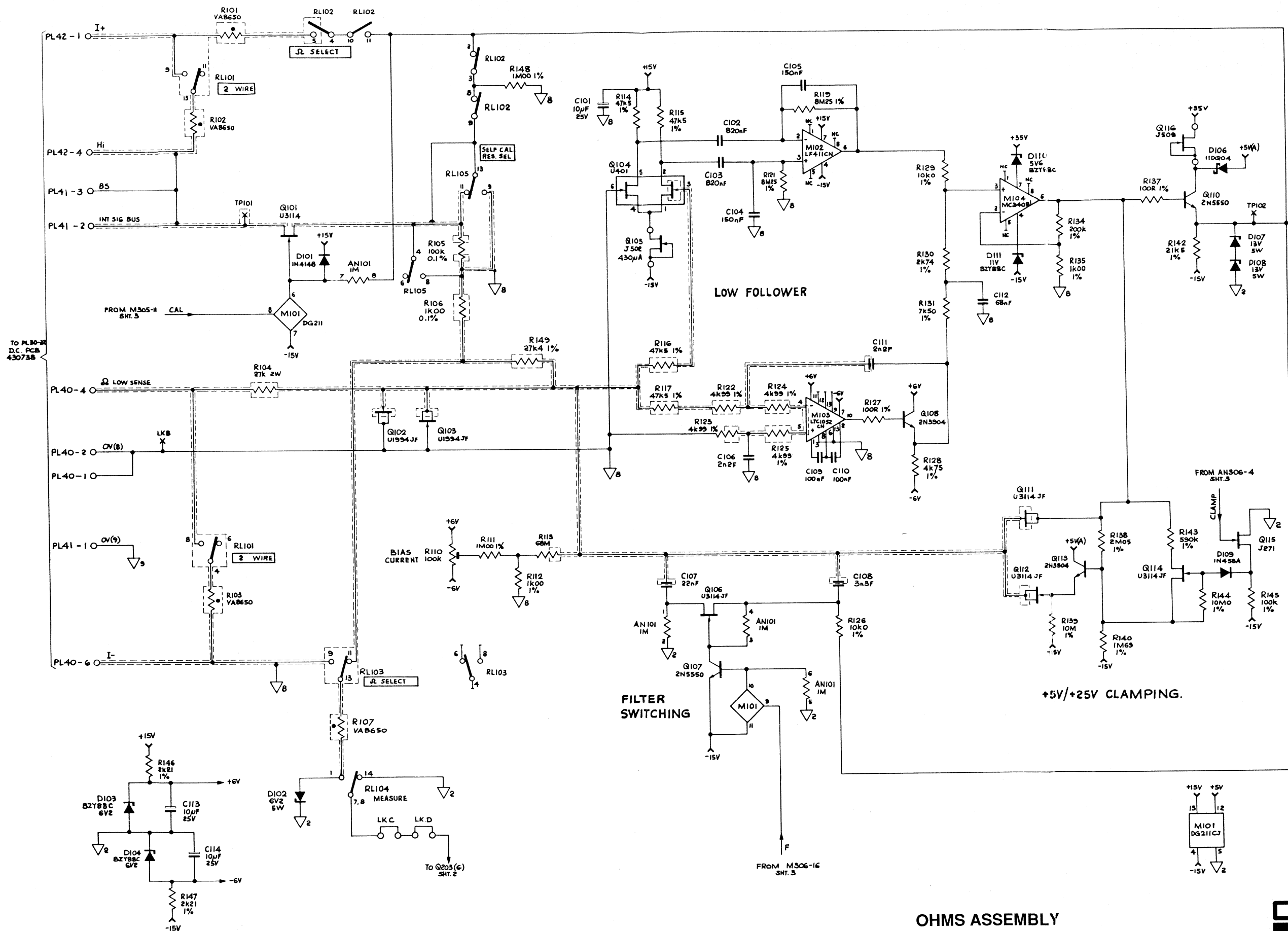
COMPONENTS NOT FITTED:- R130 R264 R154 R350 C231 C232 C233 C307 D301 D302 C134



A.C. ASSEMBLY
Control Logic
Drawing No. 430741

Sheet 4 of 4



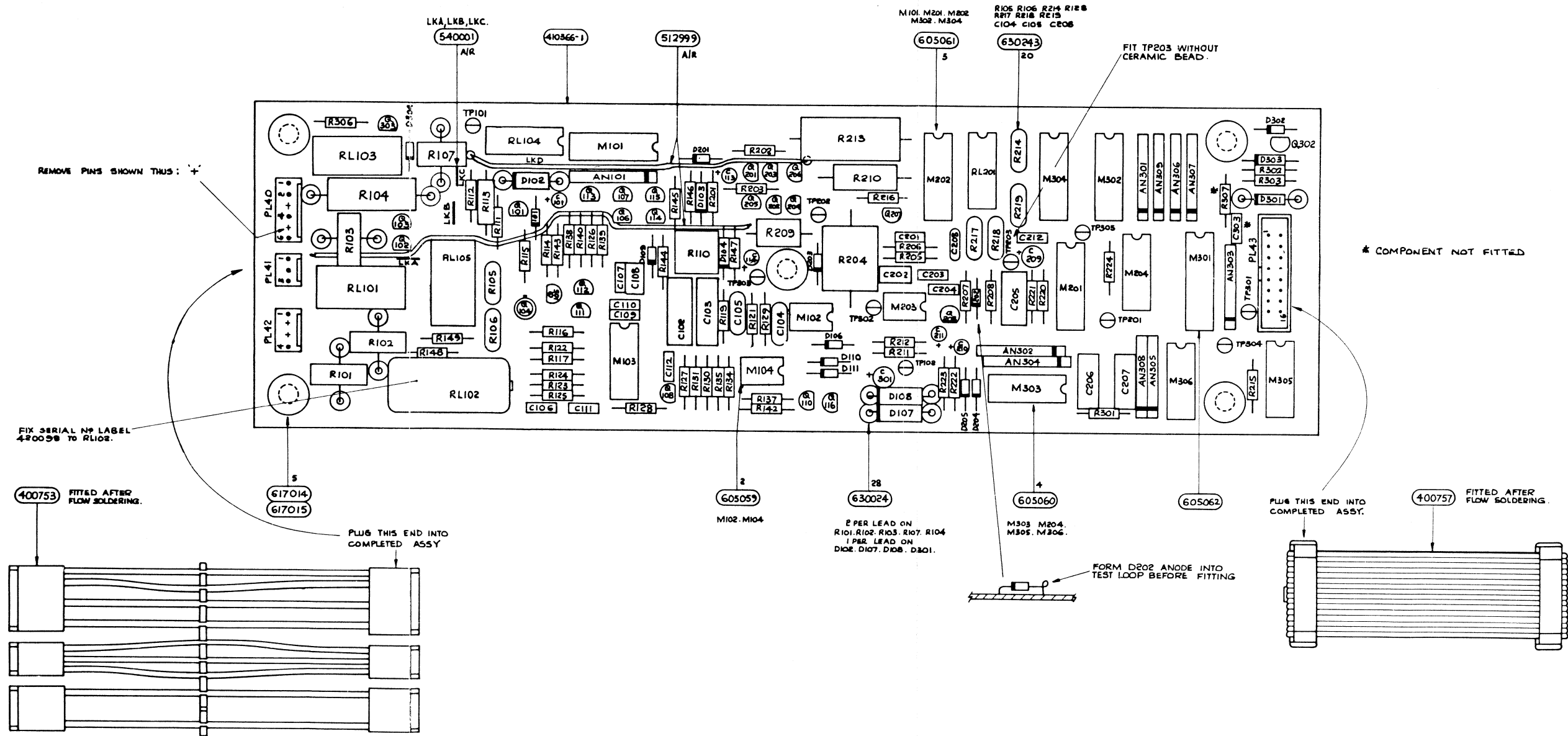


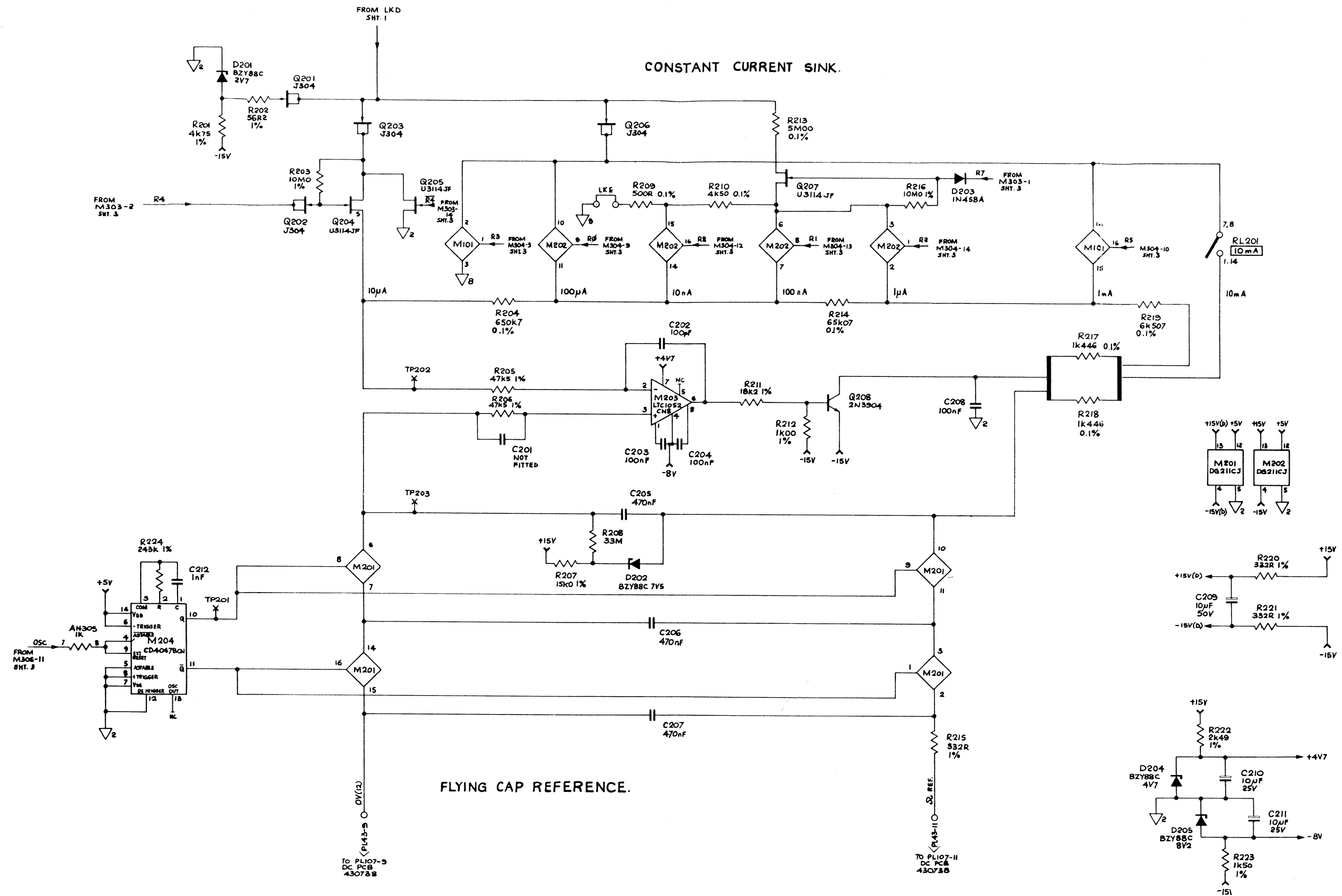
OHMS ASSEMBLY

Low Follower

Drawing No. 430742

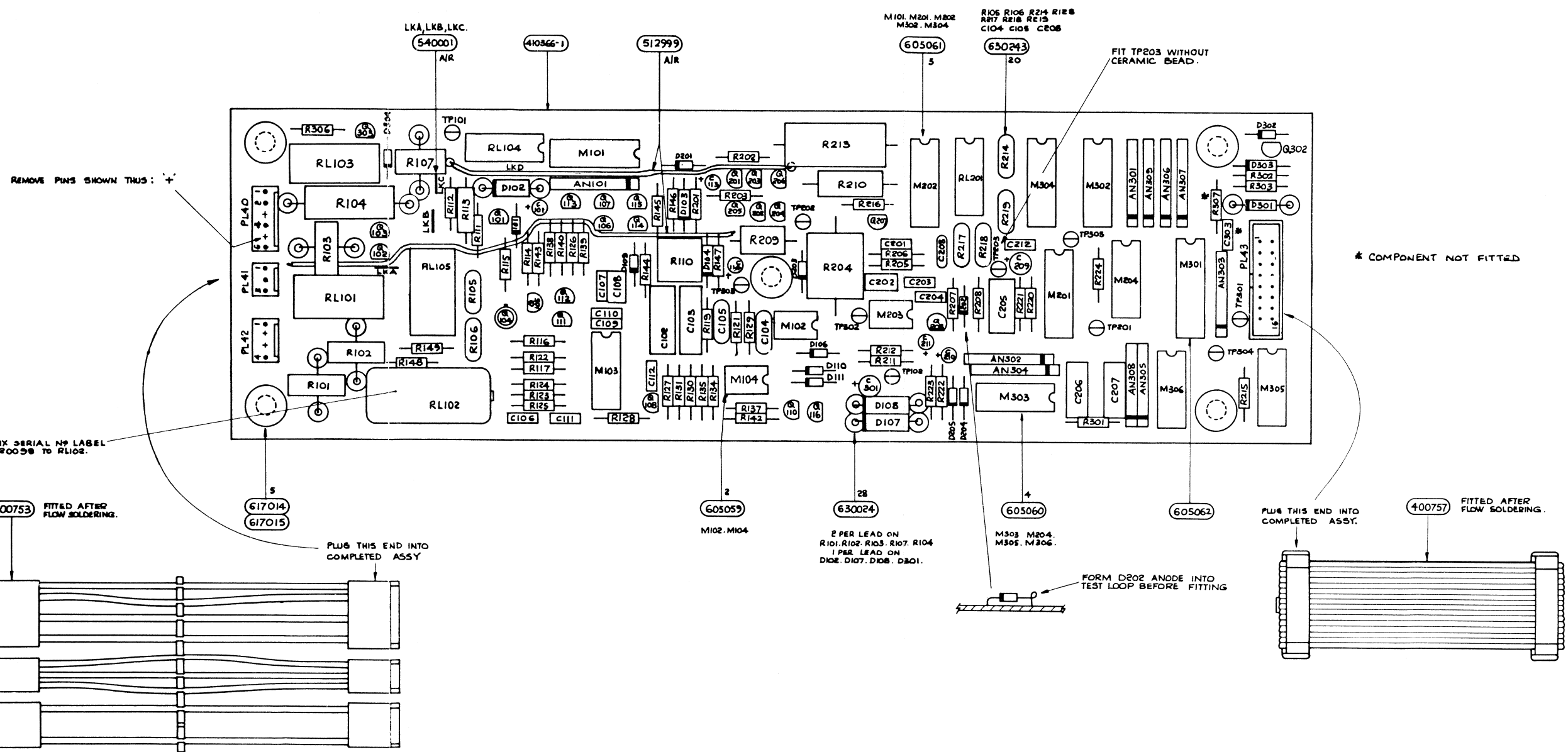
Sheet 1 of 3

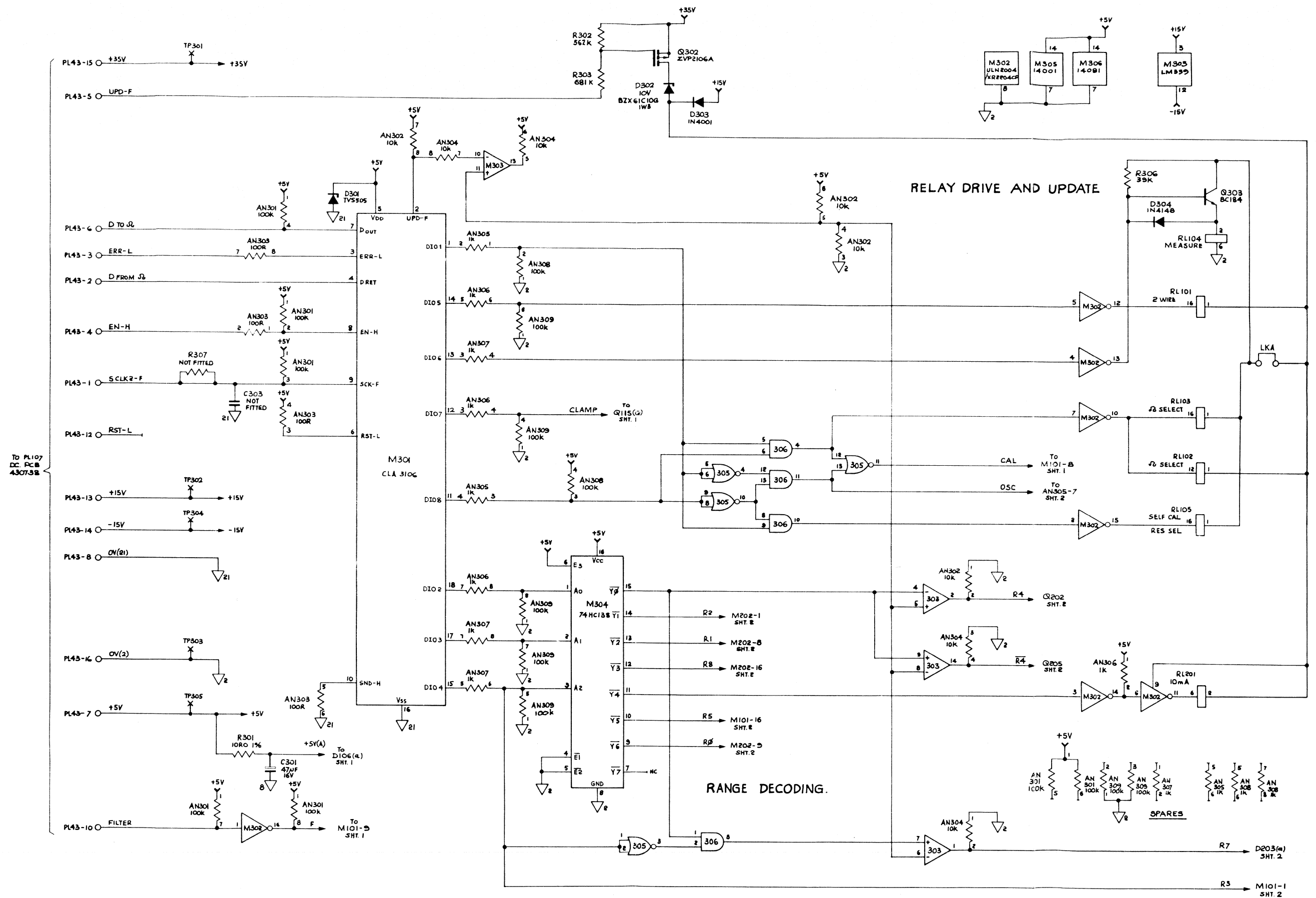


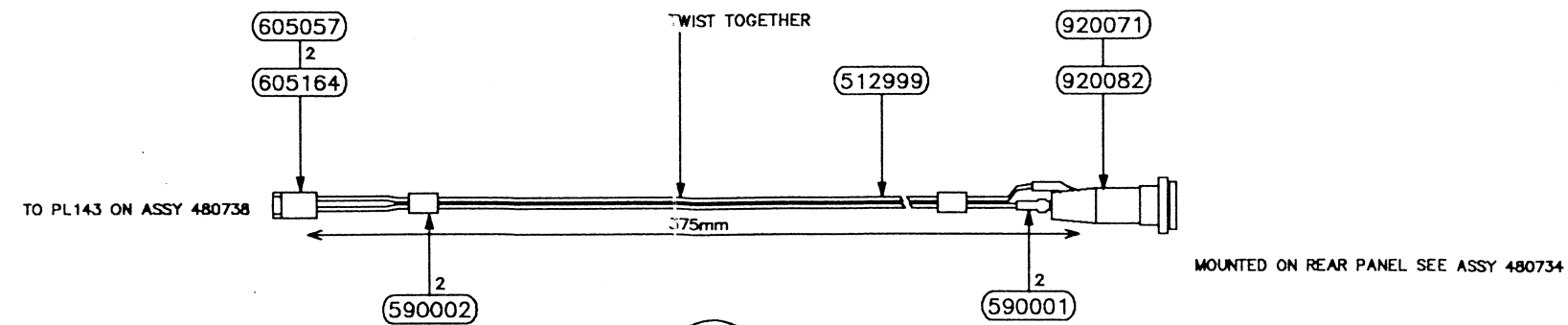


OHMS ASSEMBLY
 Constant Current Sink
 Drawing No. 430742

Sheet 2 of 3

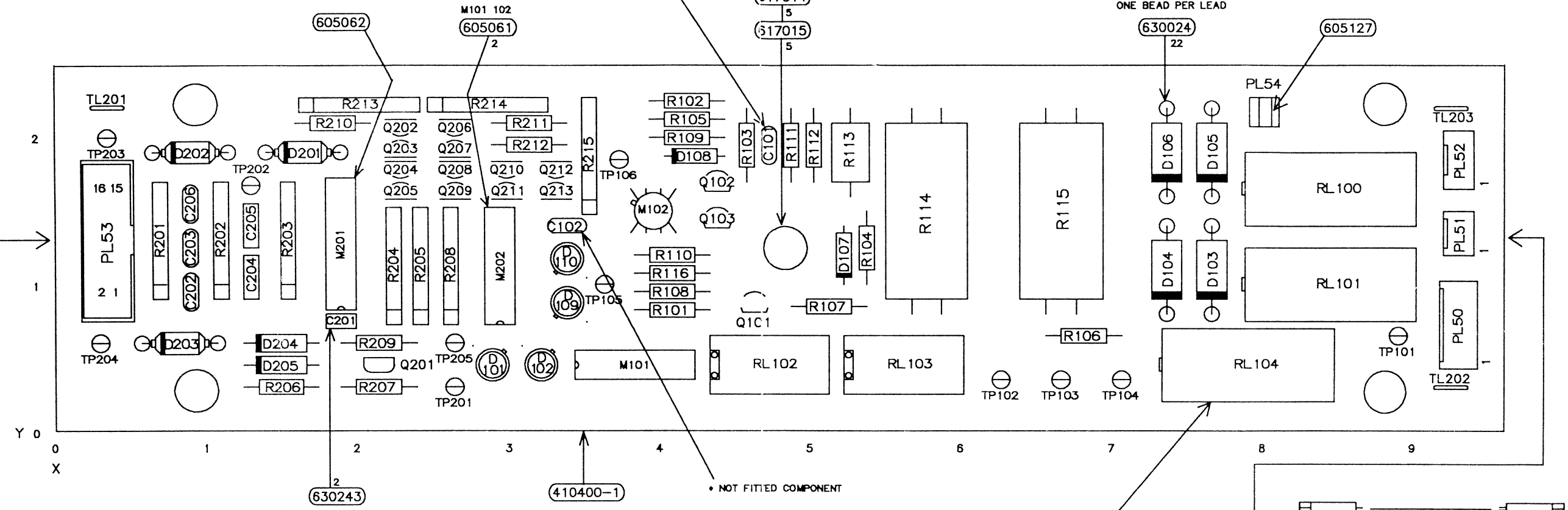




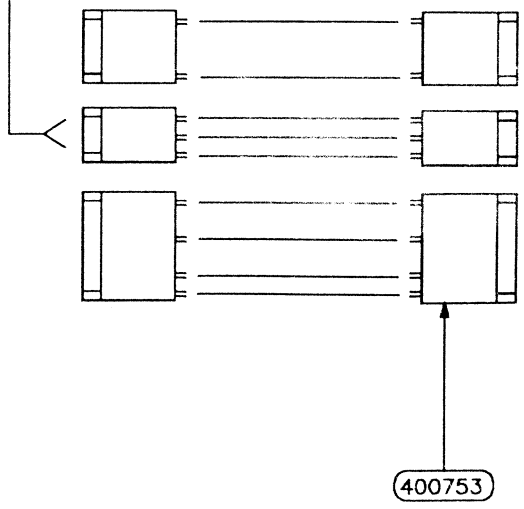
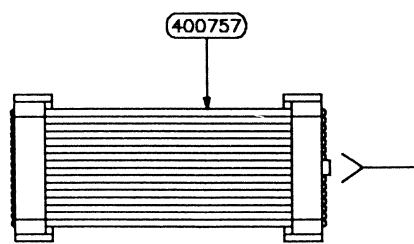


C101 IS 470PF(102471) IF R111 MANUFR IS MANN
 C101 IS 330PF(102331) IF R111 MANUFR IS KELVIN

D103 104 105 106
 TWO BEADS PER LEAD
 D201 202 203
 ONE BEAD PER LEAD

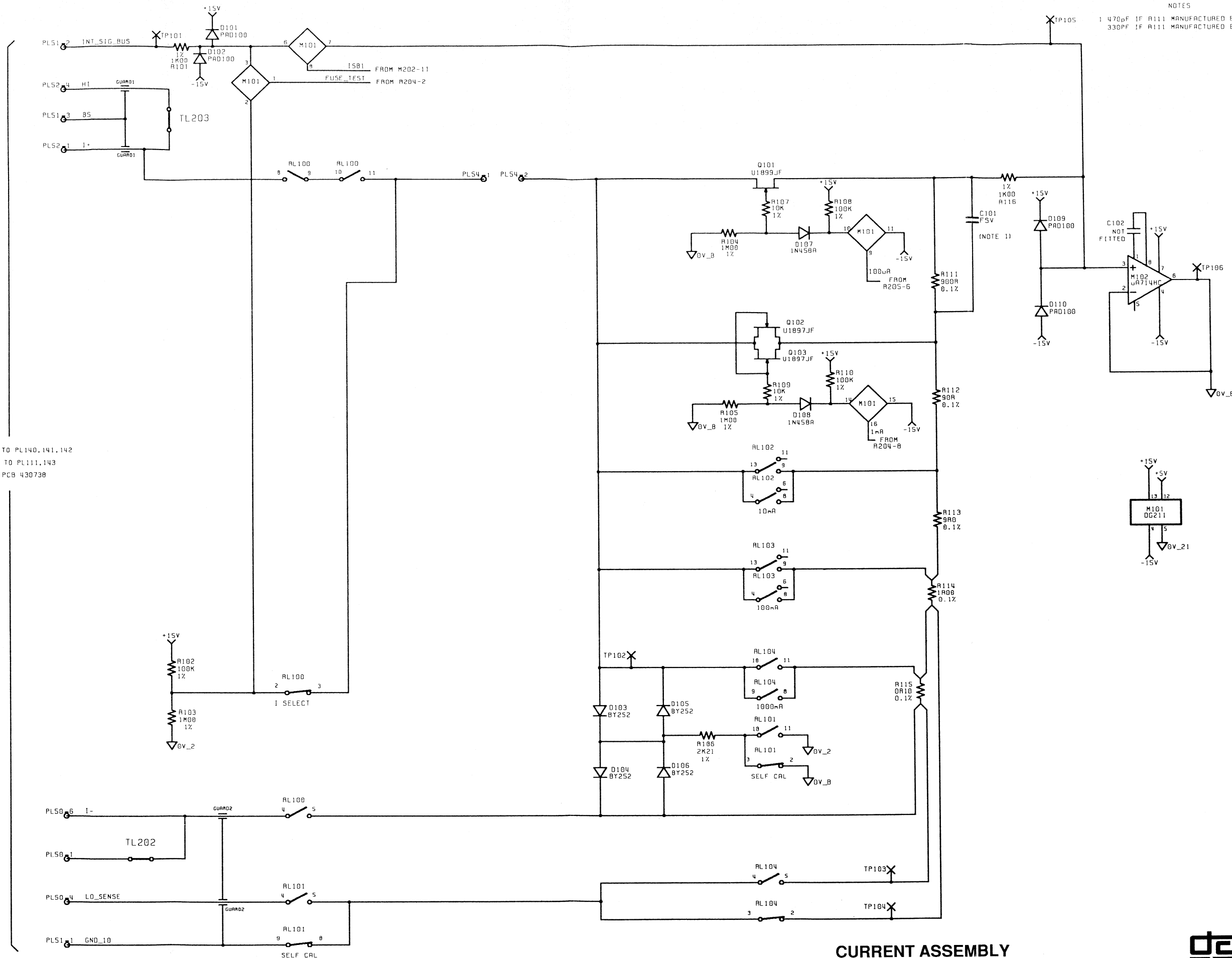


PLACE SERIAL NO. LABEL
 ON RL104



NOTES
 1 470pF IF R111 MANUFACTURED BY MANN
 330PF IF R111 MANUFACTURED BY KELVIN

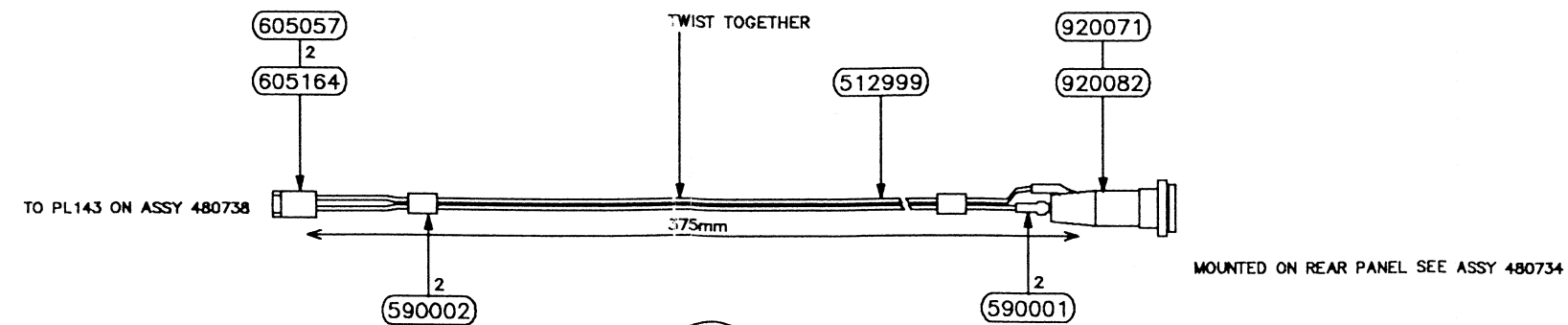
PL50,51,52 TO PL140,141,142
 E101,102 TO PL111,143
 DC PCB 430738



CURRENT ASSEMBLY
 Current to Voltage Converter
 Drawing No. 430743

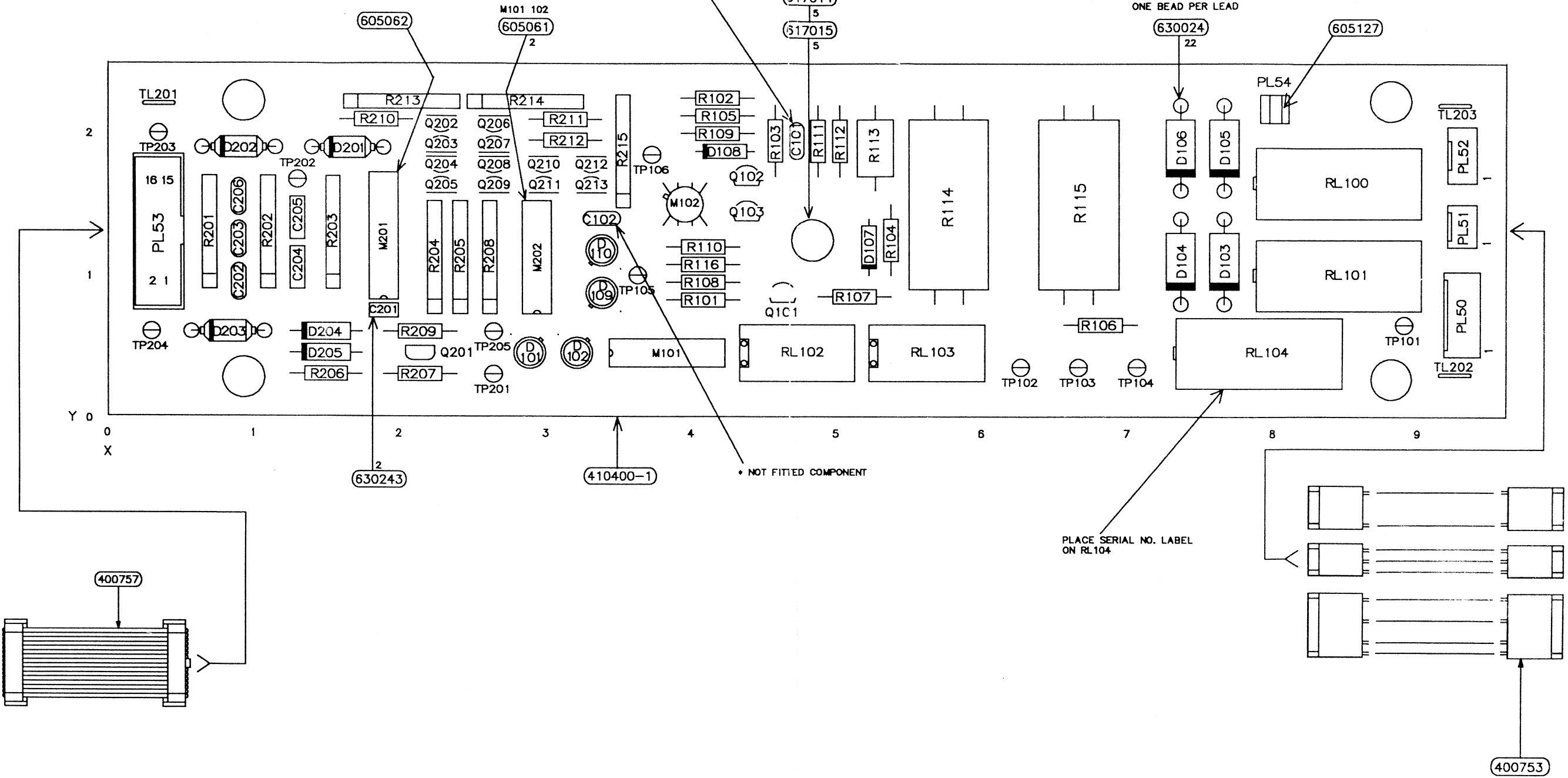
Sheet 1 of 2

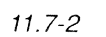
1281
datron
WAVETEK
 © Datron Instruments 1989



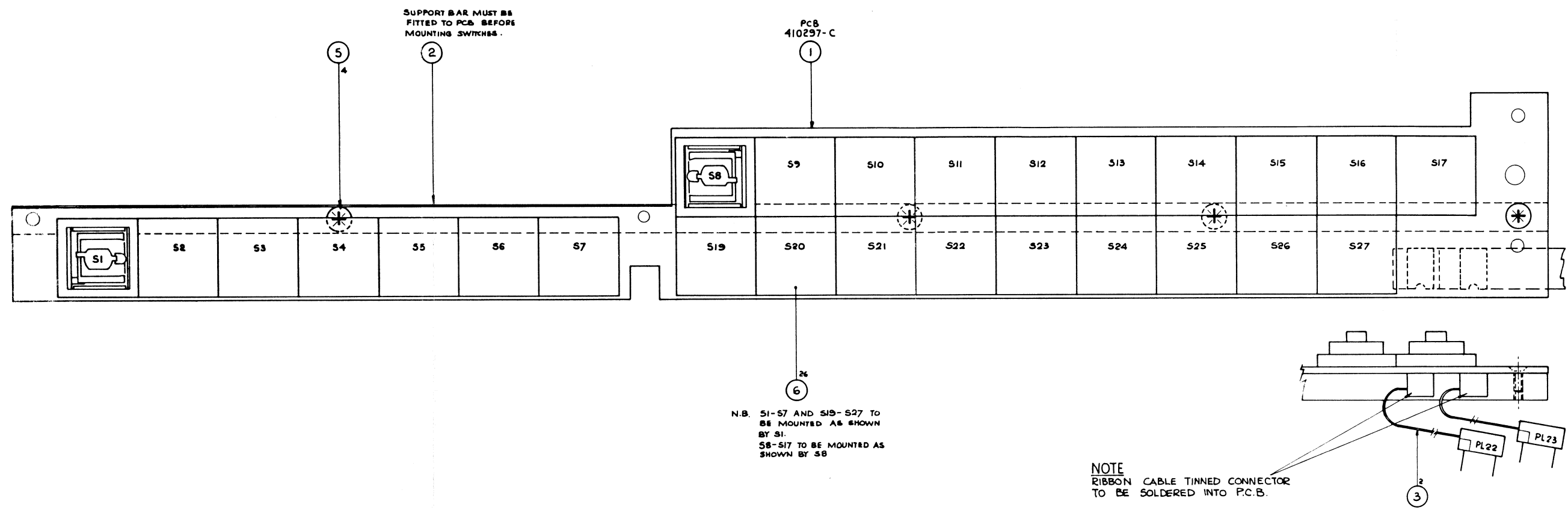
C101 IS 470PF(102471) IF R111 MANUFR IS MANN
C101 IS 330PF(102331) IF R111 MANUFR IS KELVIN

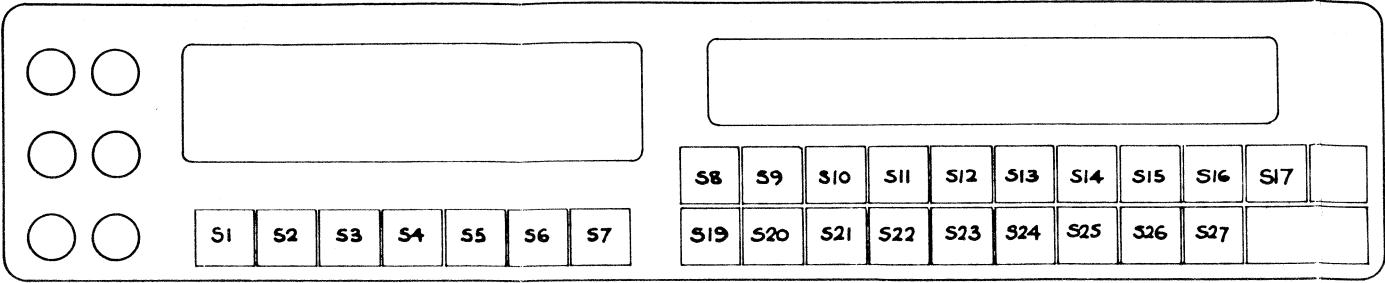
D103 104 105 106
TWO BEADS PER LEAD
D201 202 203
ONE BEAD PER LEAD





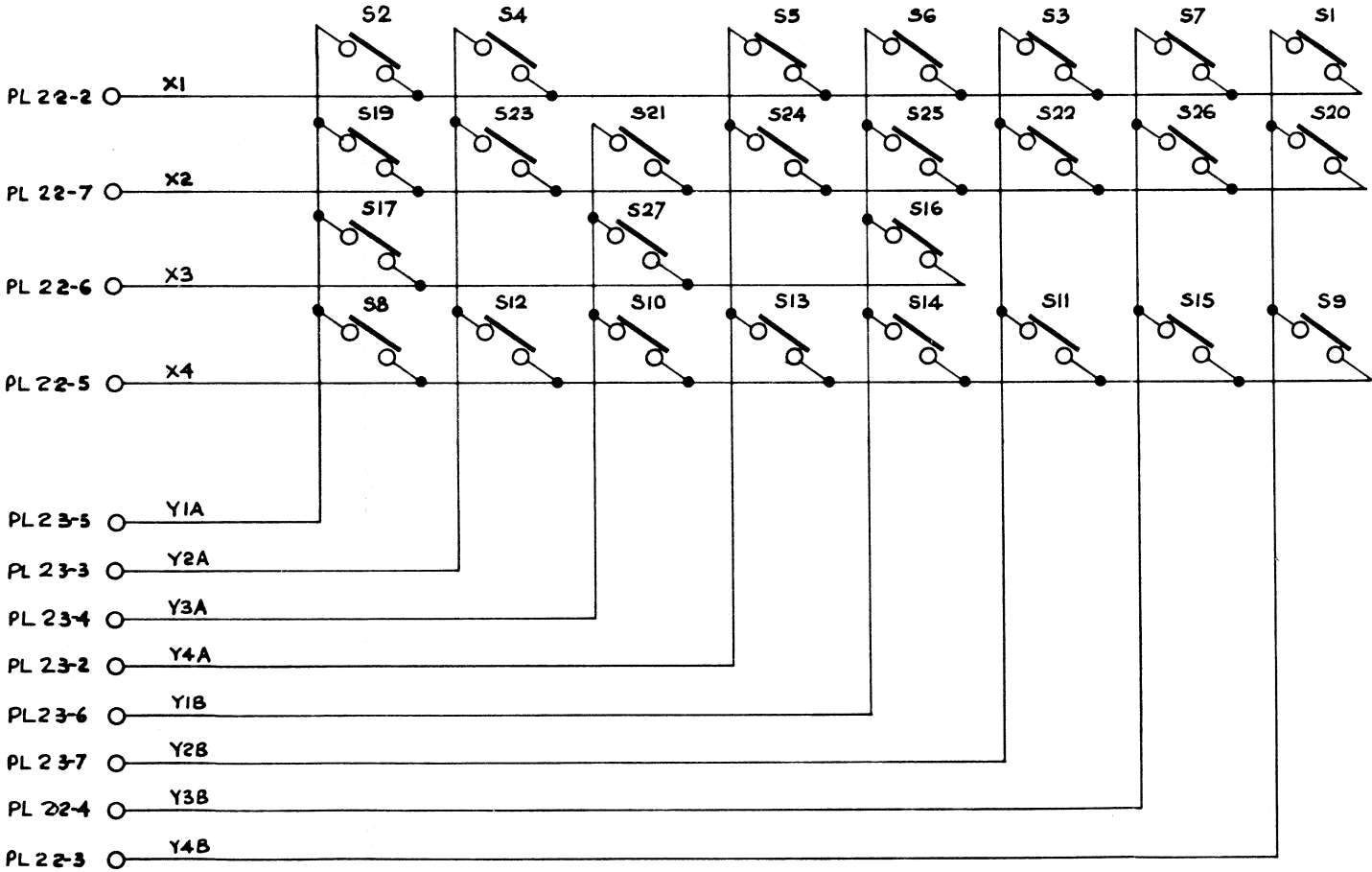
SWITCH ASSEMBLY





FRONT PANEL SWITCH LAYOUT.

PL 22-1 ○ SPARE
 PL 22-8 ○ SPARE
 PL 23-1 ○ SPARE
 PL 23-8 ○ SPARE



KEY N°	* KB4-KBØ	KEY N°	* KB4-KBØ
1	1C	17	Ø2
2	ØØ		
3	14	19	Ø1
4	Ø4	20	1D
5	ØC	21	Ø9
6	1Ø	22	15
7	18	23	Ø5
8	Ø3	24	ØD
9	1F	25	11
10	ØB	26	19
11	17	27	ØA
12	Ø7		
13	ØF		
14	13		
15	1B		
16	12		

* FOR KBØ-KB5 REFER TO 400739

KB5 IS A LOGIC '1' WHILE A VALID KEY IS HELD. THE KEY ENCODER OUTPUT ALWAYS INDICATES THE LAST VALID KEY ON KB4-KBØ.