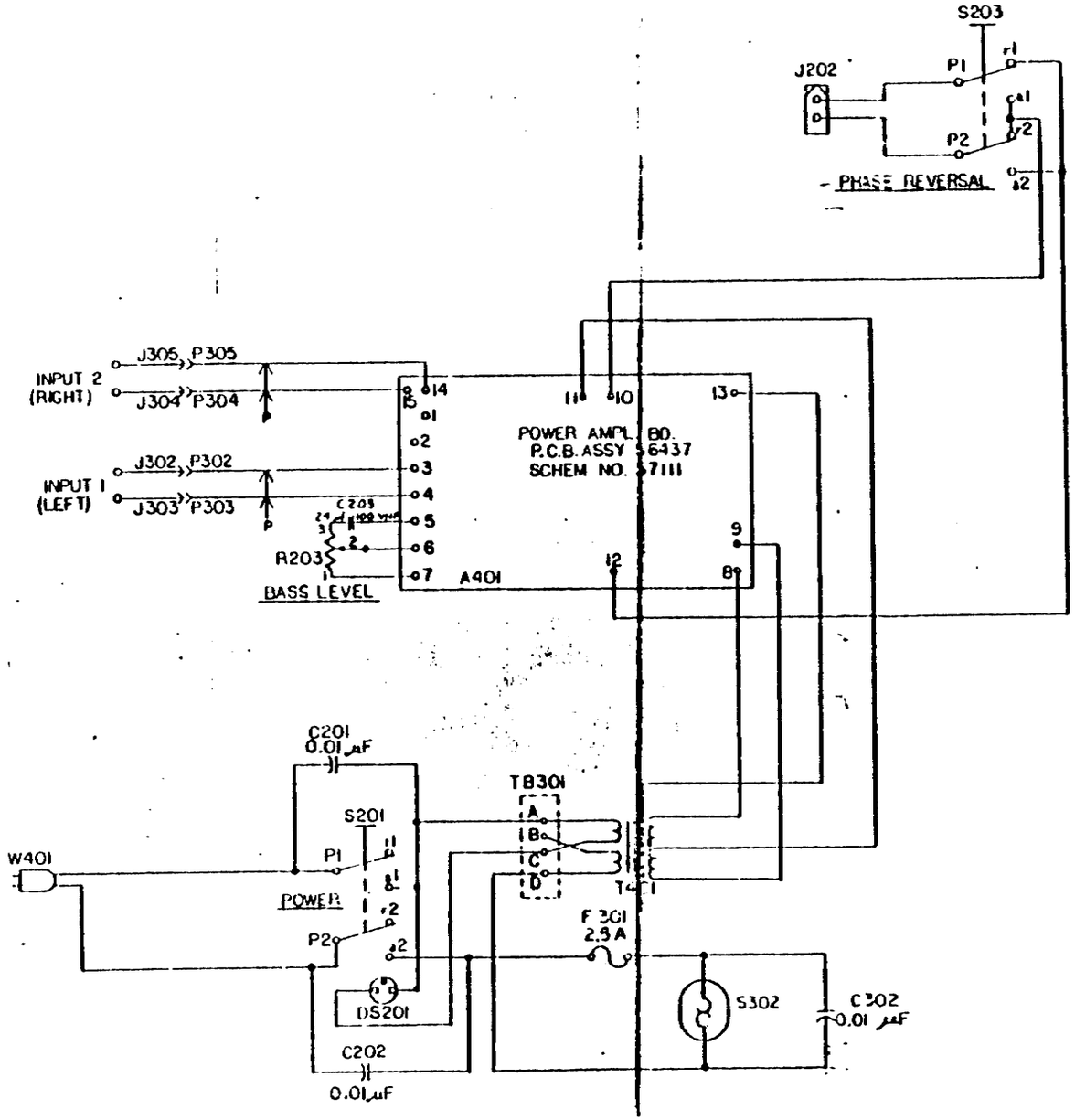
212E
1 OF 3

NOTICE

THE FOLLOWING DCR'S ARE OUTSTANDING AGAINST THIS DRAWING.



3 FOR WIRING DIAGRAM SEE 57185.

2 COMPONENT REFERENCE DESIGNATION CODE : FRONT PANEL 201 & UP
REAR PANEL 301 & UP
CHASSIS 401 & UP

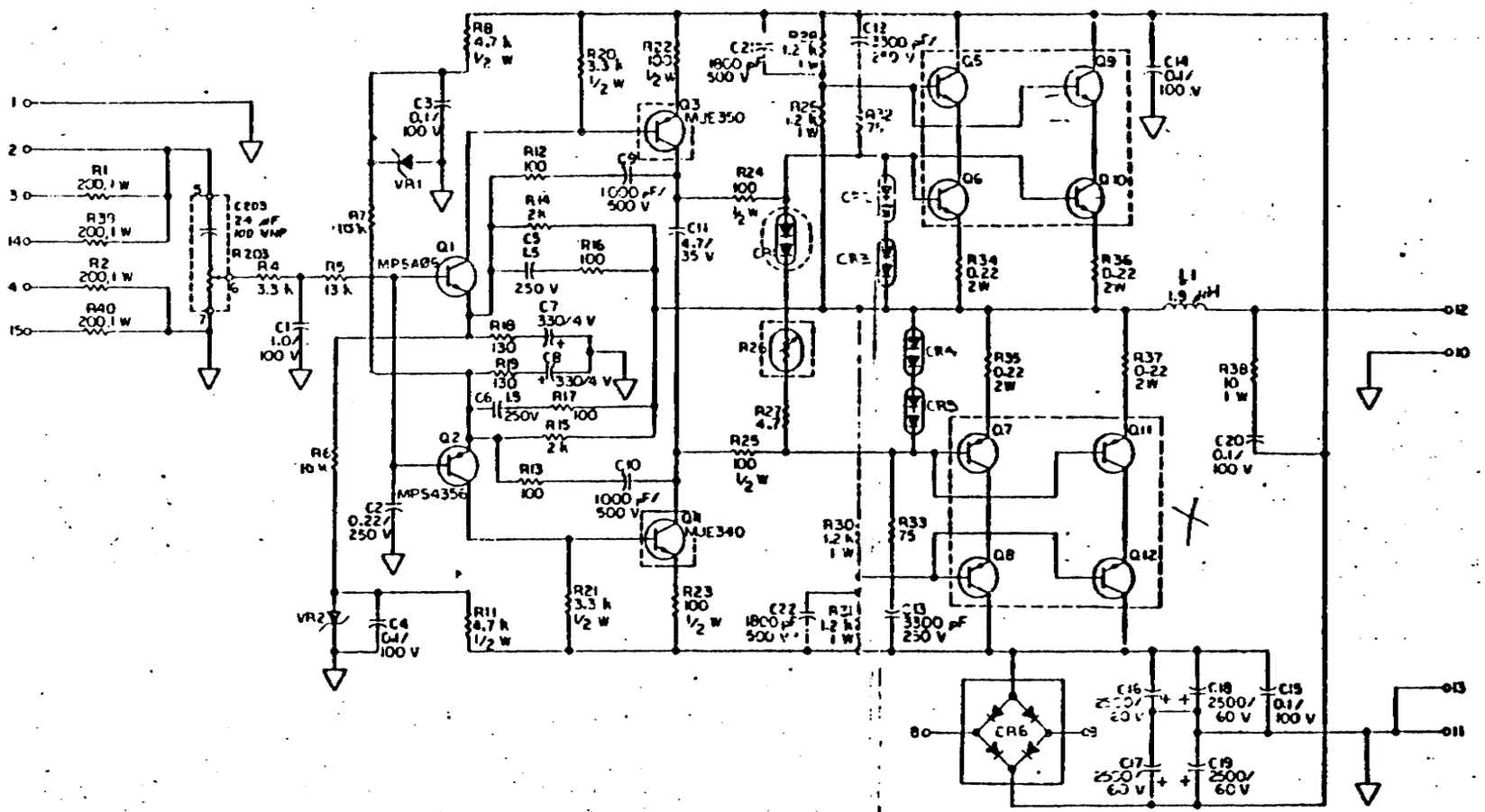
1 CAPACITOR VALUES IN MICROFARADS

NOTES:

SCHEMATIC, FOR DEC. 212 E

NOTICE
THE FOLLOWING
BLACK AND
WHITE PAGES
MAY NOT BE
LEGIBLE WHEN
SCANNED.

212 E
2 of 3



10. NOMINAL VALUE FOR R27 MAY BE VARIED FROM ZERO TO 10 Ω TO ACHIEVE A STABLE IDLE a.c. POWER CONSUMPTION OF 10 TO 20 W. SEE DRG 36409.
9. NOMINAL VALUE FOR R22 MAY BE VARIED FROM 50 TO 150 Ω TO CORRECT FOR dc OFFSET. SEE DRG 35676.
8 FOR CHASSIS SCHEMATIC SEE DRG 57186.
7. DELETED

6. Q5 THRU Q12 MUST BE SAME MANUFACTURER.
5. TRANSISTORS Q7,8,11 AND 12 ARE 2N3638/2N6041.
4. TRANSISTORS Q5,6,9 AND 10 ARE 2N3637/2N6044.
3. DIODES CR1 THRU CR5 ARE MR2361
2. CAPACITOR VALUES IN MICROFARADS.
1. RESISTOR VALUES IN OHMS, ¼W, 5%.

NOTES: (UNLESS OTHERWISE SPECIFIED)

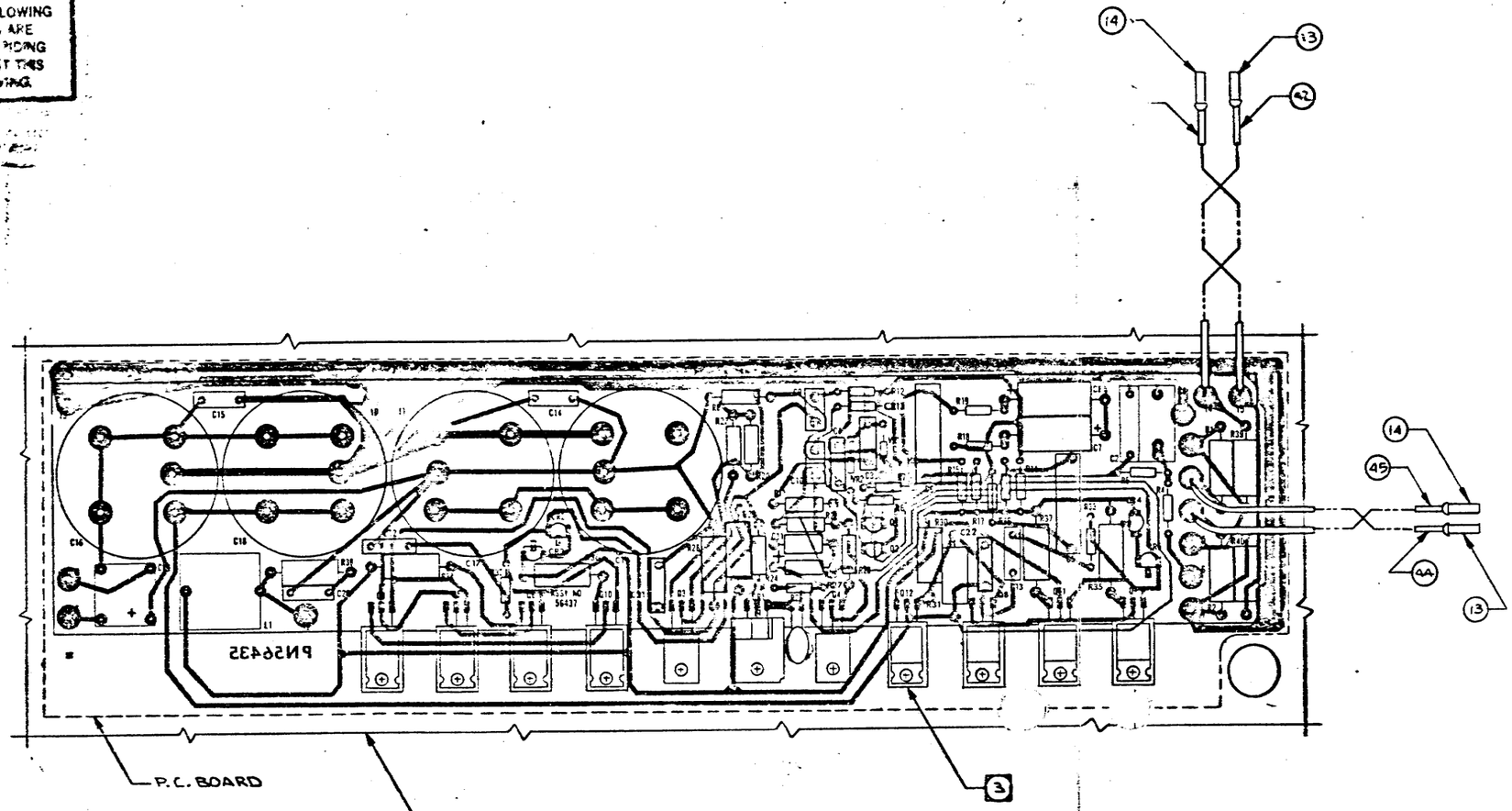
FILE COPY

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
	V FOR DCN		

CHROMATIC BOARD MODEL 212E
SIZE D
57111
REV H

NOTICE

THE FOLLOWING ITEMS ARE CRITICAL PRODUCT SAFETY ITEMS AS DESIGNATED ON THE PARTS LIST AGAINST THIS DRAWING.



ITEM	PART NUMBER	DESCRIPTION	QTY	REMARKS
48	—			
47	52573	INDUCTOR - 1.9 μH	1	L1
46	—			
45	54510	WIRE, 18 AWG - BLK 19" LG	1	MRD54300
44	54502	- RED 19" LG	1	
43	54511	- BLK/WHT 19" LG	1	
42	54523	WIRE, 18 AWG - RED WHT 14" LG	1	MRD54300
41	51430	JUMPER	1	
40	—			
39	55201	TRANSISTOR - MPS4356	1	Q2
38	48340	TRANSISTOR - MPSA06	1	Q1
37	56456	DIODE BRIDGE	1	CR6
36	—			
35	52219	DIODE MSD7000	4	CR2 THRU CR5
34	52225	DIODE, ZENER	2	VR1, VR2
33	—			
32	48929	CAPACITOR - 1800 pF @ 500 V. MRD48418	2	C21, C22
31	56455	- 2500 μF @ 60 V.	4	C16, C17, C18, C19
30	53043	- 3300 pF @ 250 V, 10%	2	C12, C13
29	47795	- 4.7 μF @ 35 V	1	C11
28	48477	- 1000 pF @ 500 V, 5% MRD48418	2	C9, C10
27	55172	- 330 μF @ 4 V.	2	C7, C8
26	53081	- 1.5 μF @ 250 V.	2	C5, C6
25	48494	- 0.22 μF @ 250 V	1	C2
24	54998	- 0.1 μF @ 100 V, 10%	5	C3, C4, C14, C15, C20
23	48503	CAPACITOR - 1.0 uF @ 100 V 10%	1	C1
22	—			
21	36714	RESISTOR - 10 Ω, 1W, 5%	1	R38
20	—			
19	56249	RESISTOR - 0.22 Ω, 2W, 5%	4	R34, R35, R36, R37
18	36430	RESISTOR - 75 Ω, 1/4W, 5%	2	R32, R33
17	—			
16	36763	RESISTOR - 1.2 kΩ, 1W, 5%	4	R28, R29, R30, R31
(5) 15	55171	RESISTOR - 4.7 Ω, 1/4W, 5%	1	R27
14	56124	RECEPTACLE	2	
13	56123	RECEPTACLE	2	
(4) 12	11507	RESISTOR - 100 Ω, 1/2W, 5%	4	R22, R23, R24, R25
11	12623	RESISTOR - 3.3 kΩ, 1/2W, 5%	2	R20, R21
10	—			
9	36464	RESISTOR - 2 kΩ, 1/4W, 5%	2	R14, R15
8	36436	RESISTOR - 130 Ω, 1/4W, 5%	2	R18, R19
7	35549	RESISTOR - 100 Ω, 1/4W, 5%	4	R12, R13, R16, R17
6	—			
5	10074	RESISTOR - 4.7 kΩ, 1/2W, 5%	2	R8, R11
4	36481	- 10 kΩ, 1/4W, 5%	2	R6, R7
3	36484	- 13 kΩ, 1/4W, 5%	1	R5
2	35585	- 3.3 kΩ, 1/4W, 5%	1	R4
1	36744	RESISTOR - 200 Ω, 1W, 5%	4	R1, R2, R39, R40

BILL OF MATERIAL

(5) NOMINAL VALUE FOR R27: MAY BE VARIED FROM ZERO TO 10 Ω TO ACHIEVE A STABLE IDLE dc POWER CONSUMPTION OF 10 TO 20 W. SEE DWG 36409.

(4) NOMINAL VALUE FOR R22: MAY BE VARIED FROM 50 TO 150 Ω TO CORRECT FOR dc OFFSET. SEE DWG 35676.

(3) ALL CHASSIS MOUNTED COMPONENTS SHOWN FOR REF. ONLY. FOR MOUNTING DETAIL SEE ASSY 56432.

2. ALL RESISTORS 1 WATT & GREATER MUST BE STOOD OFF BOARD APPROX. 1/8".

1. FOR SCHEMATIC SEE DWG 57111.

NOTES: (UNLESS OTHERWISE SPECIFIED)

REVISIONS					
LTR	DESCRIPTION	DATE	APPROVED
G	ADDED NOTES 4 & 5		
F	REV DESC ITEM 4 ITEM 5		
E	REV & REDRAWN PER DCN		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. BREAK SHARP EDGES .015. DECIMALS XXX ±.01 XX ±.005 X ±.02. FRACTIONS ±1/8. ANGULAR ±1°. TOLERANCES: MATERIAL: MACHINING FINISH: √. DO NOT SCALE DRAWING.

DRAWN: 7/7/77 C. May
CHK'D: 7-5-77
DESIGN:
ENGR: 7/24/77
APP'D: 8-5-77
SIZE: D
DRAWING NUMBER: 56437
REV: G
SCALE: NONE
WEIGHT:
SHEET 1 OF 1

P.C. BOARD ASSY

212E

564371

3 OF 3