

THIS DRAWING IS THE PROPERTY OF THE GOVERNMENT AND IS LOANED TO YOU FOR YOUR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS.

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When Part No. Appears 558 0340 025 Less - 14, 35, 56, 66, 67, 67

Table with columns: XSN APPROVAL, SYM, DESCRIPTION, DATE, APPROVAL. Contains revision history for parts G, H, J, K, L, M.

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- NOTES: 1. LIQUID STAKE ALL SCREWS WITH LOCTITE GRADE C (8) SUPPLIED BY AMERICAN SEALANTS CO... 2. PART MAY BE .312 THK., DOUBLE CHAMFERED AS SUPPLIED BY PHEOLL MANUFACTURING COMPANY... 3. PART MAY BE .375" O.D. x .147" D. x .031" THK. AS SUPPLIED BY MASTER PRODUCTS COMPANY... 4. PART MAY BE SUPPLIED BY CENTRAL SCREW CO., CHICAGO, ILL., OR EQUAL... 5. PART SHALL BE .312 THK., DOUBLE CHAMFERED... 6. PART SHALL BE .203 I.D. x .500 O.D. x .060 THK... 7. PART SHALL BE .147 I.D. x .312 O.D. x .032 THK... 8. PART MAY BE 7/16 O.D. x 3/16 I.D. #1 INDIA MICA. THICKNESS OF WASHER AVERAGE WITH VARIATION .007 TO .025 AS SUPPLIED BY OAK MFG. CO., CHICAGO, ILL., OR EQUAL... 9. PART SHALL BE TYPE S #22 DRAWN & ANNEALED, TIN COATED... 10. UNLESS OTHERWISE SPECIFIED ALL WIRE IS ITEM (B), SHOWN BY DOUBLE LINE... 11. UNLESS OTHERWISE SPECIFIED ALL INSULATION IS ITEM (17), IDENTIFIED BY SYMBOL # AS SHOWN ON SHEET 3... 12... 13... 14. ALL WIRES TO BE STRIPPED & TINNED 1/2 INCH... 15. DIMENSIONS SHOWN ON THIS DRAWING DEFINE LIMIT. FOR INTERCHANGEABILITY GAGING & ARE TO BE USED AS A BASIS FOR ACCEPTANCE OR REJECTION OF THE COMPLETED ASSY... 16. FINISH .023 PER SPEC MIL-F-14072. FINAL PRINT FILM NO. 14110, GLOSS... 17. IN ALL SPLIT BALLOONS TOP FIGURE IS MATERIAL LIST ITEM INDICATOR & BOTTOM FIGURE IS QUANTITY... 18. IN ALL SPLIT BALLOONS TOP FIGURE IS MATERIAL LIST ITEM INDICATOR & BOTTOM FIGURE IS QUANTITY... 19. ALL SOLDERING PER SPEC MIL-S-5872 USING ROSIN CORE SOLDER PER SPEC QQ-S-571 COMP. SN60... 20. INSERT WIRES INTO SLEEVING (16) TO PREVENT SHORTING... 21. COAT RUBBER STAMPING WITH FUNGUS RESISTING VARNISH PER SPEC MIL-V-173, TYPE I (80)... 22. ASSEMBLY SHALL BE WIRED IN ACCORDANCE WITH WIRING ASSY SHEET 3, OF THIS DWS, TO REFLECT THE CIRCUIT SHOWN ON SCHEMATIC DIAGRAM SM-J-249190... 23. WIRES NO. 8, 15, & 30 ARE FOR CONNECTION OF OPTIONAL EQUIPMENT SM-C-249150... 24. WIRES SHOWN IN SOLID AREA ARE JUMPER WIRES... 25. SHALL BE WIRE C-18, NYLON JACKET... 26. SHALL BE WIRE B-22, NYLON JACKET... 27... 28. 4-40NC-2B, NUT, HEX. .217/208 HEX. .066 .057 THK. DOUBLE CHAM. SST FIN. E300 PER MIL-F-14072

Main parts list table with columns: PART NO., QTY, DESCRIPTION, MATL. SPEC, NOTES. Lists various components like screws, washers, nuts, capacitors, resistors, tubes, and wires.

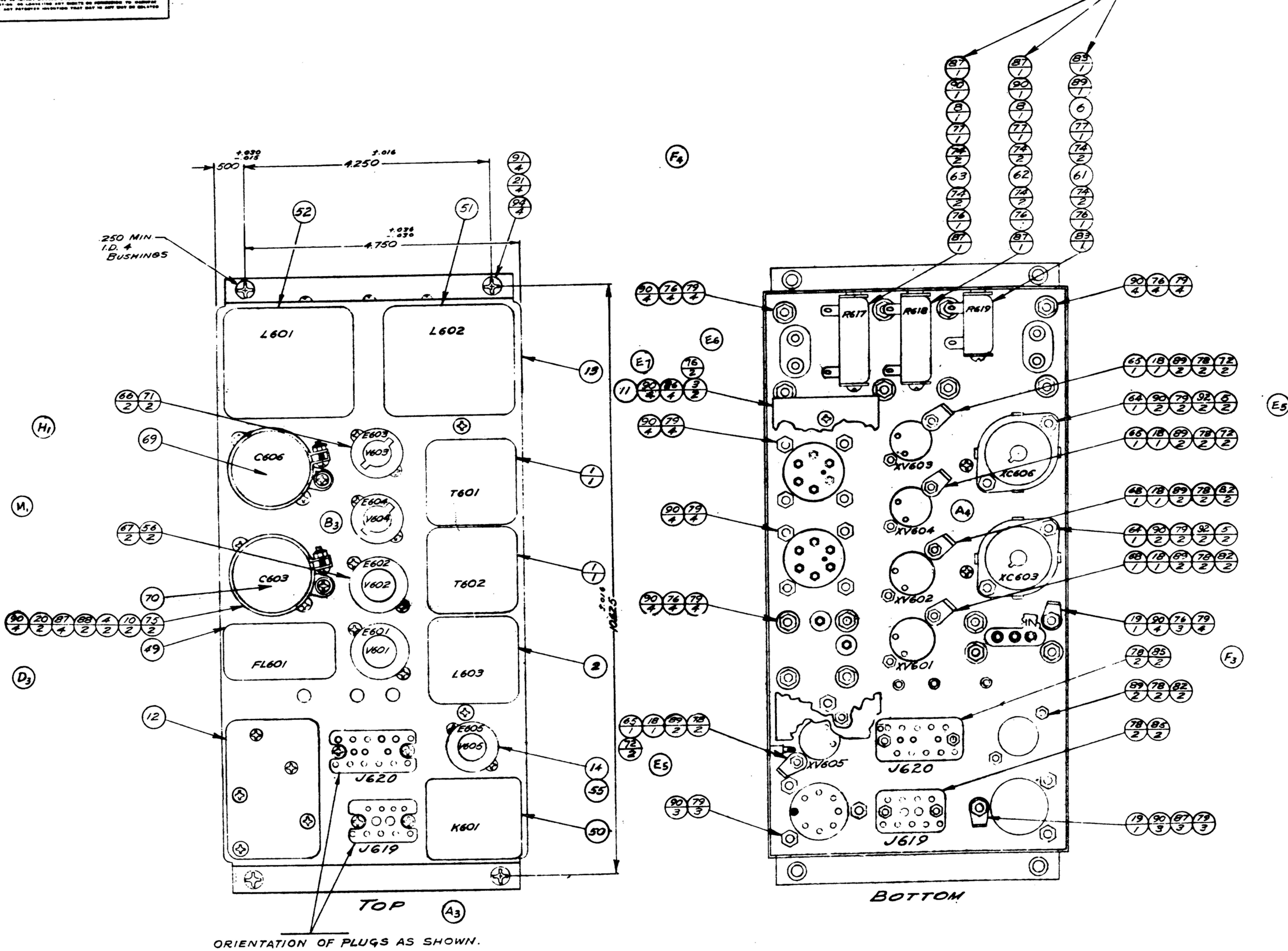
Table with columns: PART NO., QTY, DESCRIPTION, MATL. SPEC, NOTES. Lists various components like wires, nuts, capacitors, resistors, tubes, and other parts.

Engineering drawing header and footer containing drawing title 'AUDIO ASSY', drawing number 'SM-D-248801', date '13 FEB 56', and department information 'DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES'.

NOTE: THESE DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS.

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ASSEMBLE IN SEQUENCE SHOWN.



SYN	APPROVAL	REVISIONS		
		SYM	DESCRIPTION	DATE
A	PR10042-B	A <sub>8</sub>	SEE SHEET 1, FOR REVISIONS	27 OCT 59
B	CA 84590	B <sub>3</sub>	SEE SHEET 1, FOR REVISIONS	10 DEC 59
C	CA 84721	C <sub>4</sub>	SEE SHEET 1, FOR REVISIONS	22 MAR 60
D	CA 84765	D <sub>3</sub>	D <sub>1</sub> -D <sub>2</sub> (SEE SHEET 1 FOR REVISIONS) ITEM 15, 16, 22 & 23 CALLOUTS AND SEE NOTE 12 DELETED	4 MAY 60
E	CA 84833	E <sub>7</sub>	E <sub>5</sub> -72 WAS 82 E <sub>6</sub> -ADDED CALLOUT 76/2 E <sub>1</sub> -904 WAS 90/2 E <sub>1</sub> -84-83-83 (SEE SHEET 1 FOR REVISIONS)	16 AUG 60
F	CA 84855	F <sub>4</sub>	(3)- CALLOUT 85 WAS 84 (4)- MARKING LOCATIONS DELETED (4 PLACES) F <sub>1</sub> , F <sub>2</sub> SEE SHEET #1 FOR REVISIONS.	13 OCT 60
G	CA 84934	G <sub>2</sub>	SEE SHEET 1, FOR REVISIONS	1 DEC 60
H	CA 85146	H	(D)- ADDED "ORDER NO." TO MARKINGS NOTE	25 APRIL 61
J	CA	J	J, SEE SHEET 1 FOR REVISIONS	10 MAY 61
K		K <sub>4</sub>	SEE SHEETS 1 & 3 FOR REV.	30 MAR 1965
L		L <sub>6</sub>	L <sub>6</sub> - SEE SHEET 3 FOR REV.	21 NOV 1966
M		M <sub>1</sub>	DELETED MARKING NOTE	19 APR 67

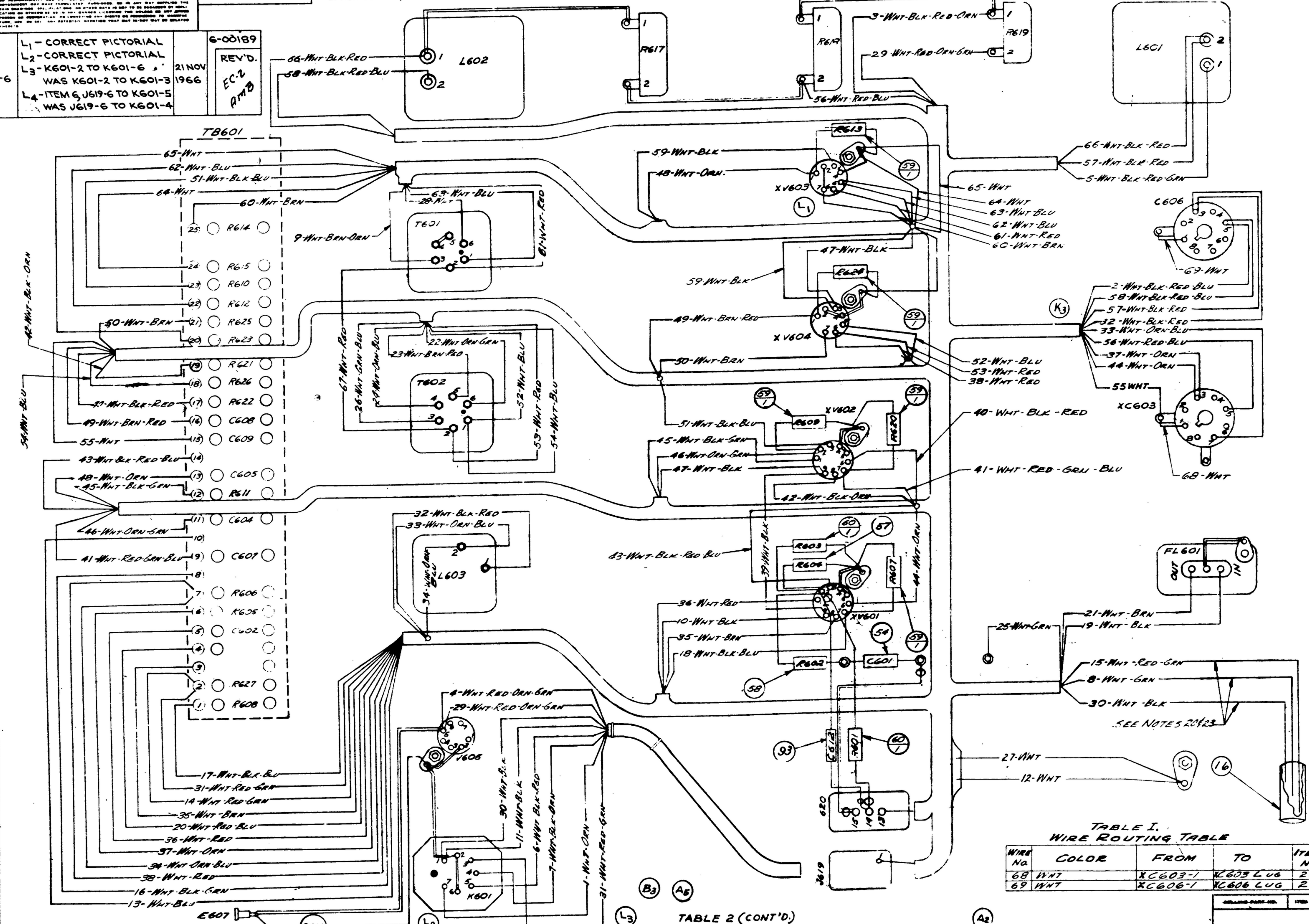
COLLINS PART NO.	LIBR.	REVISION	DATE	DESCRIPTION	BY	CHKD.
LIST OF MATERIAL						
COLLINS PART NO. 58-0340-004						

DRAWN: RBE CHECKED: [initials] APPROVED: [initials]	"COLLINS RADIO CO." 4214-PH-5193 SIGNAL CORPS REVIEWED: PME APPROVED: HLY DATE: 30 DEC 55	DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH, NEW JERSEY SMD-248801 SHEET 2
UNLESS OTHERWISE SPECIFIED: DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY .005 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY .015 MACHINED ANGLES MAY VARY .5° SHEARED ANGLES MAY VARY .5° WELDED ANGLES MAY VARY .5° CENTER C-1/4 BETWEEN AND DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED .010 TOTAL INDICATOR READING. ALL DIMENSIONS ARE FINISH DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.	APPLICATION: [blank]	SCALE: 1/1

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- L1 - CORRECT PICTORIAL
- L2 - CORRECT PICTORIAL
- L3 - K601-2 TO K601-6 WAS K601-2 TO K601-3
- L4 - ITEM 6, J619-6 TO K601-5 WAS J619-6 TO K601-4

6-00189  
REV'D.  
21 NOV 1966  
ECB  
PMB



REV. NO.	DATE	DESCRIPTION	APPROVAL
A8	27 OCT 59	SEE SHEET 1, FOR REVISIONS	42428-PC-59-A1-51
B3	10 DEC 59	SEE SHEET 1, FOR REVISIONS	42428-PC-59
C4	32 MAR 60	SEE SHEET 1, FOR REVISIONS	42428-PC-59
D3	4 MAY 60	SEE SHEET 1 & 2 FOR REVISIONS	42428-PC-59
E7	13 OCT 60	SEE SHEET 1 & 2 FOR REVISIONS	42428-PC-59
F4	16 AUG 60	SEE SHEET 1 & 2 FOR REVISIONS	42428-PC-59
G2	1 DEC 60	SEE SHEET 1, FOR REVISIONS	42428-PC-59
H	25 APRIL 60	(U) - SEE SHEET 2 FOR REVISIONS	42428-PC-59

TABLE I WIRE ROUTING TABLE (A6)

WIRE NO.	COLOR	FROM	TO	ITEM NO.
1	WHT-GRN	J619-1	K601-7	7
2	WHT-BLK-RED-BLU	J619-2	XC606-5	7
3	WHT-BLK-RED-GRN	J619-3	R619-1	7
4	WHT-RED-GRN-GRN	J619-4	XV603-5	7
5	WHT-BLK-RED-GRN	J619-5	L601-1	7
6	WHT-BLK-RED	J619-6	K601-5	7
7	WHT-BLK-GRN	J619-7	K601-4	7
8	WHT-GRN	J619-8	NO CONNECTION	7
9	WHT-BRN-GRN	J619-9	TB601-3	7
10	WHT-BLK	J619-10	XV601-9	7
11	WHT-BLK	J619-11	K601-1	7
12	WHT	J619-11	K602-GND	7
13	WHT-BLU	J620-1	TB601-10	7
14	WHT-RED-GRN	J620-2	TB601-2	7
15	WHT-RED-GRN	J620-2	NO CONNECTION	7
16	WHT-BLK-GRN	J620-3	TB601-8	7
17	WHT-BLK-BLU	J620-4	TB601-1	7
18	WHT-BLK-BLU	J620-4	XV601-7	7
19	WHT-BLK	J620-5	FL601-IN	7
20	WHT-RED-BLU	J620-6	TB601-4	7
21	WHT-BRN	J620-7	FL601-OUT	7
22	WHT-GRN-GRN	J620-8	TB601-6	7
23	WHT-BRN-RED	J620-9	TB601-5	7
24	WHT-GRN-BLU	J620-10	TB601-4	7
25	WHT-GRN	J620-11	POST	7
26	WHT-GRN-BLU	J620-12	TB601-3	7
27	WHT	J620-13	K602-GND	7
28	WHT	J620-13	TB601-6	7
29	WHT-RED-GRN-GRN	XV603-5	R619-2	7
30	WHT-BLK	K601-1	NO CONNECTION	7
31	WHT-RED-GRN	K601-3	TB601-2	7
32	WHT-BLK-RED	L603-1	XC606-3	7
33	WHT-GRN-BLU	L603-2	XC603-7	7
34	WHT-GRN-BLU	L603-2	TB601-7	7
35	WHT-BRN	TB601-3	XV601-8	7
36	WHT-RED	TB601-5	XV601-1	7
37	WHT-GRN	TB601-6	XC603-3	7
38	WHT-RED	TB601-7	XV604-6	7
39	WHT-BLK	XV601-9	XV602-9	23
40	WHT-BLK-RED	XV602-6	TB601-17	7
41	WHT-RED-GRN-BLU	XV602-7	TB601-9	7
42	WHT-BLK-GRN	XV602-8	TB601-19	7
43	WHT-BLK-RED-BLU	XV601-9	TB601-14	7
44	WHT-GRN	XV601-6	XV603-9	7
45	WHT-BLK-GRN	XV602-1	TB601-12	7
46	WHT-GRN-GRN	XV602-2	TB601-11	7
47	WHT-BLK	XV602-9	XV604-3	7
48	WHT-GRN	TB601-13	XV603-1	7
49	WHT-BRN-RED	XV604-14	TB601-16	7
50	WHT-BRN	XV604-7	TB601-21	7
51	WHT-BLK-BLU	XV602-3	TB601-23	7
52	WHT-BLU	XV604-5	TB601-1	7
53	WHT-RED	XV604-6	TB601-2	7
54	WHT-BLU	TB601-1	TB601-18	7
55	WHT	TB601-15	XV604-GND	7
56	WHT-RED-BLU	XC603-3	R618-2	7
57	WHT-BLK-RED	XC606-3	L601-2	7
58	WHT-BLK-RED-BLU	XC606-5	L602-2	7
59	WHT-BLK	XV604-3	XV603-3	7
60	WHT-BRN	XV603-7	TB601-25	7
61	WHT-RED	XV603-6	TB601-2	7
62	WHT-BLU	XV603-5	TB601-22	7
63	WHT-BLU	XV603-3	TB601-7	7
64	WHT	XV603-GND	TB601-24	7
65	WHT	XV603-GND	TB601-20	7
66	WHT-BLK-RED	J620-2	TB601-2	7
67	WHT-RED	TB601-2	TB601-2	23

TABLE I. WIRE ROUTING TABLE

WIRE NO.	COLOR	FROM	TO	ITEM NO.
68	WHT	XC603-1	XC606-LUG 26	26
69	WHT	XC606-1	XC606-LUG 26	26

TABLE 2 (CONT'D)

FROM	TO	INSULATION
XV605-5	E607	
XV605-GRD	K601-2	
K601-2	K601-6	
J620-15 (ITEM 7)	TERM BY C601	IN CABLE
XV601-5 TO XV601-4 TO XV601-GRD.		
XV602-5 TO XV602-4 TO XV602-GRD.		
XV604-2 TO XV604-4 TO XV604-GRD.		
XV603-2 TO XV603-7		17
FL601-CENTERED	FL601-GRD.	

TABLE 2 WIRE ROUTING FOR #22 STRAP WIRE (ITEM #73)

FROM	TO	INSULATION
R619-1	R618-1	
R618-2	R617-2	
R617-1	L602-1	
T601-4	T601-5	
XV605-2	XV605-GRD.	
XV603-4	XV603-GRD.	

- M1 SEE SHEET 2 FOR REV'S
- L6 L6-ITEM 7 J619-7 TO K601-4 WAS J619-7 TO K601-5, L6-ITEM 3 K601-3 TO TB601-2 WAS K601-6 TO TB601-2
- K4 (1), (2) SEE SHEET 1; (3) WIRE 57 WAS 66; (4) WIRE NO. 13 & 14 WERE TV 601-10 & TV601-2 RESPECTIVELY

LIST OF MATERIAL

DESIGNED BY: RFB	CHECKED: [Signature]	APPROVED: [Signature]	DATE: 30 DEC 55
SIGNAL CORPS		14214-PH-51-93	
REVIEWED: PMF		AUDIO ASSY (WIRING)	
APPROVED: HLY		FORT MONMOUTH NEW JERSEY	
DATE: 30 DEC 55		SCALE: 1/1	
APPLICATION: [Blank]		SHEET 3	