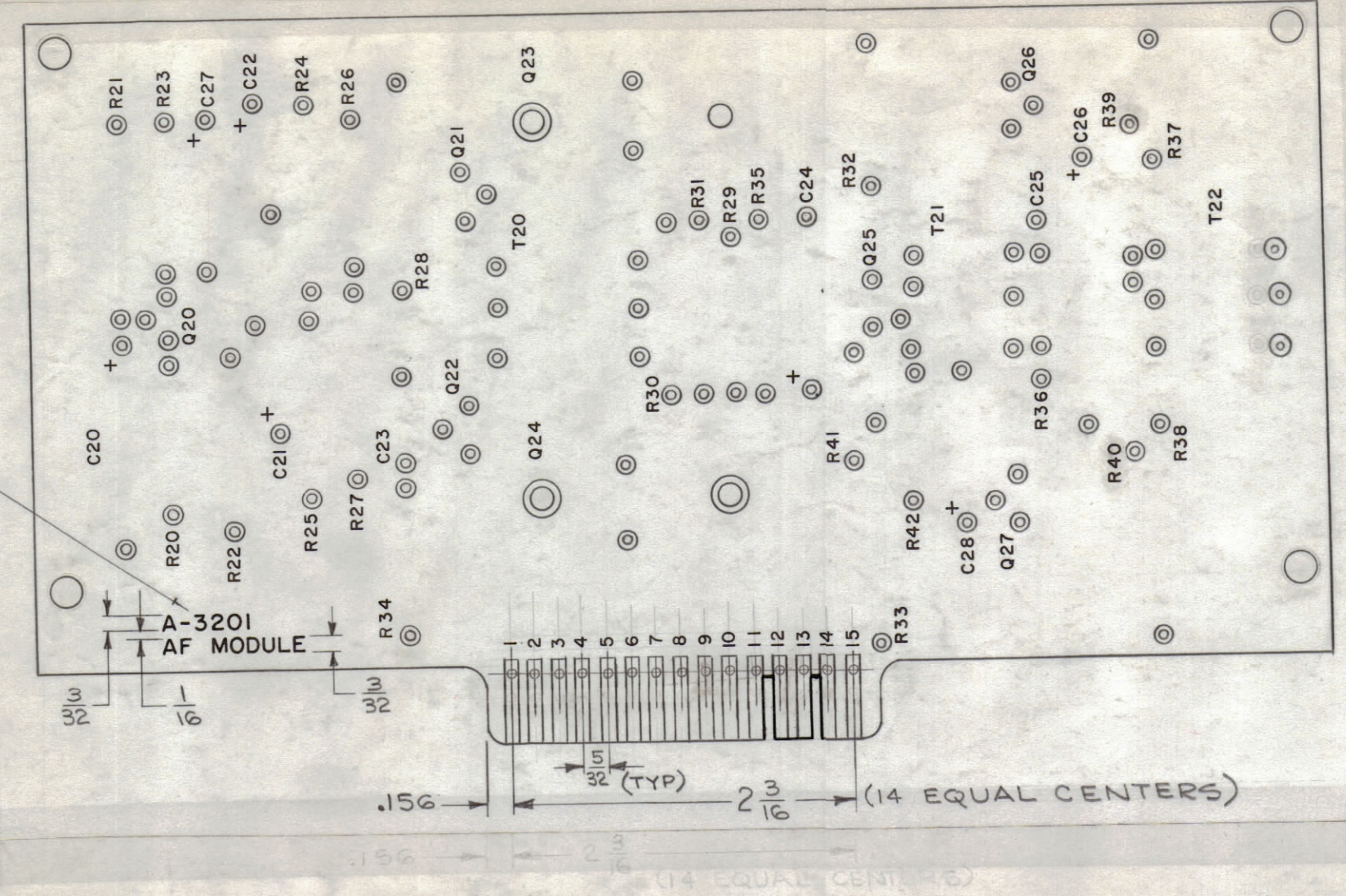


- UNLESS OTHERWISE SPECIFIED -

1. ALL LETTERING TO BE 5/64 HIGH BLACK GOTHIC, .010 STROKE. LOCATE APPROX. AS SHOWN ± 1/64.
2. MARKING PROCESS: AS PER TMC SPECIFICATION 5727



MARKING (A-3201-3)

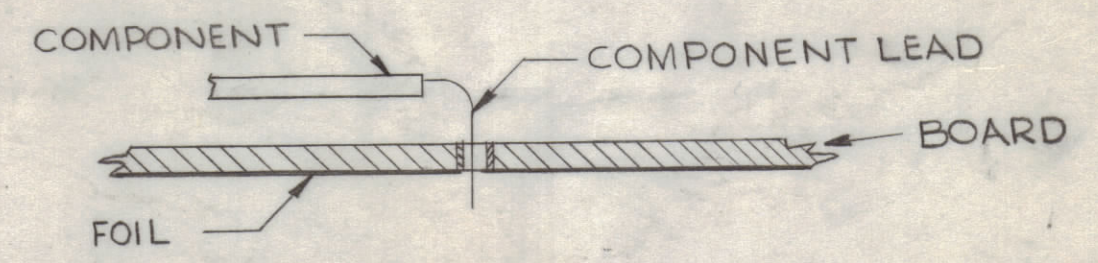
LETTERING ON THIS SIDE

26 MOUNT IN ALL "A" HOLES

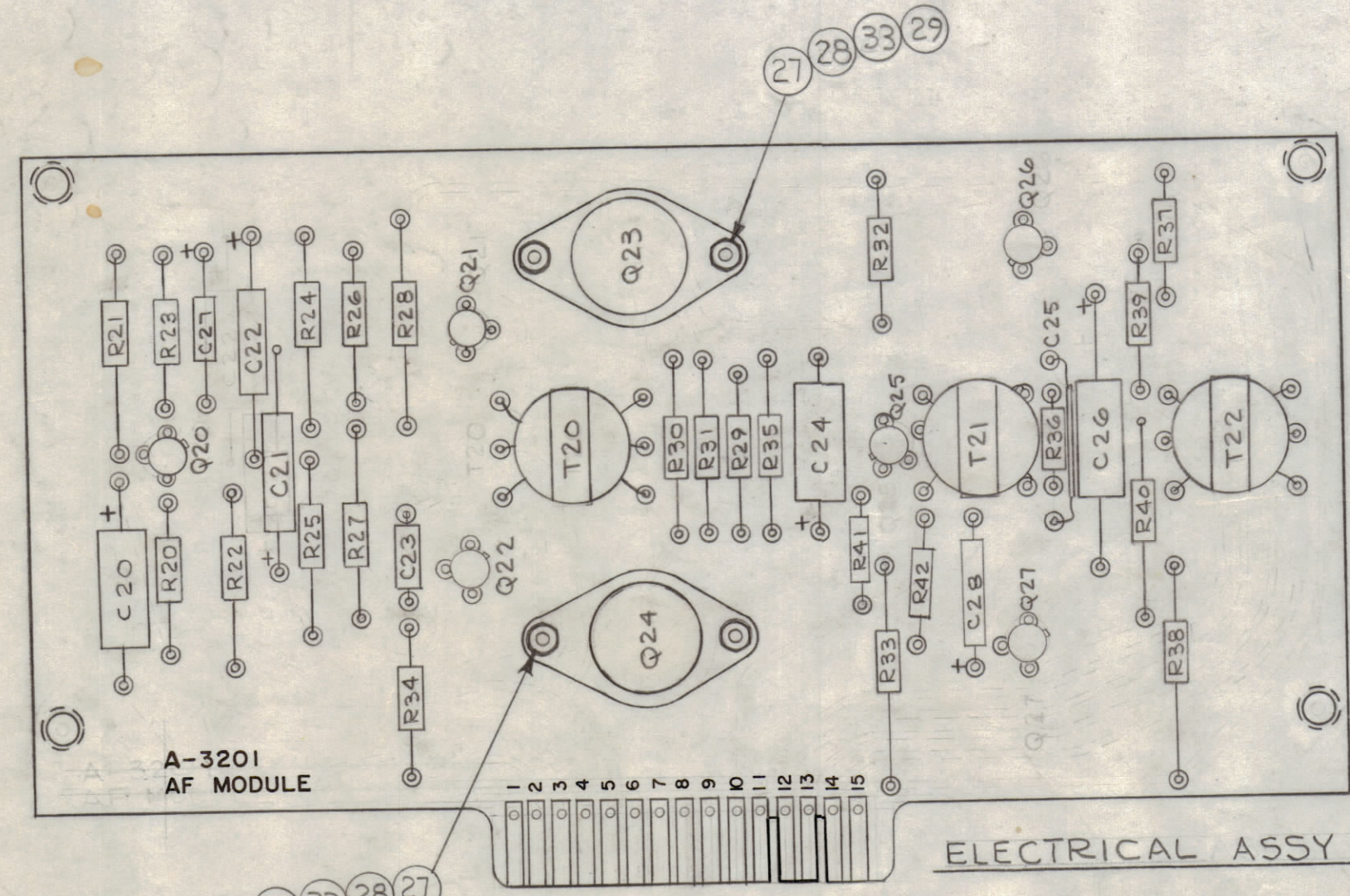
(A-3201-4) SUB-ASSY

~ ASSEMBLY NOTICE ~

1. TO MOUNT COMPONENTS INSERT LEAD THROUGH PLATED-THRU HOLES AND BEND ABOUT 1/16 OF LEAD OVER COPPER FOIL AS SHOWN
2. APPLY HEAT AND SOLDER TO LEAD AND FOIL ~ CAUTION ~ TOO MUCH HEAT WILL CAUSE THE FOIL TO SEPARATE FROM THE BOARD
3. CLEAN AND INSPECT AS PER 5676.
4. FUNGUS PROOFING PER TMC SPECIFICATION 5113.



MARK TMC PART NO W/LATEST REV LETTER



ELECTRICAL ASSY (A-3201-5)

NOTE: ITEM 24 MUST BE MATCHED PAIR.

SEE NOTE

Q20, 25, 26, 27

R21, 24, 25, 39, 40

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	34	RC20GF122J	RESISTOR, FIXED, COMPOSITION	R29
4	33	LWS06MRN	LOCKWASHER, SPLIT	
1	32	RC20GF271J	RESISTOR, FIXED, COMPOSITION	R41
1	31	RC20GF102K	RESISTOR, FIXED, COMPOSITION	R42
2	30	CE-107-1	CAPACITOR, ELECTROLYTIC TANTALUM	C21, C28
4	29	NTH0632BN8	NUT, HEX.	
4	28	LWI06MRN	LOCKWASHER, INTERNAL	
4	27	SCBP0632BN8	SCREW, MACHINE	
4	26	TE-164-7	STANDOFF, RIVET TYPE	
X	25	BS-100	SOLDER, SOFT	
1	24	TX103	TRANSISTOR	Q23, 24
2	23	TX107	TRANSISTOR	Q21, 22
4	22	TX101-1	TRANSISTOR	
2	21	TF-270	TRANSFORMER, AUDIO INTERSTAGE	T20, 21
1	20	TF-271	TRANSFORMER, AUDIO OUTPUT	T22
3	19	CE-105-10-15	CAPACITOR, ELECTROLYTIC	C20, 21, 22
1	18	CE-105-100-15	CAPACITOR, ELECTROLYTIC	C24
1	17	CE-105-175-15	CAPACITOR, ELECTROLYTIC	C26
1	16	CC-112R474M	FIXED, CERAMIC, DIEL CAPACITOR	C23
1	15	CC-100-36	CAPACITOR DISC	C25
1	14	RC20GF223K	RESISTOR, FIXED, COMPOSITION	R34
1	13	RC20GF223K		R35
1	12	RC20GF272K		R36
5	11	RC20GF332K		
1	10	RC20GF4R7J		R31
2	9	RC20GF150J		R32, 33
2	8	RC20GF101J		R26, 27
1	7	RC20GF221K		R23
1	6	RC20GF821K		R30
1	5	RC20GF122K		R28
*	4	DELETED		
1	3	RC20GF392K		R20
2	2	RC20GF152J		R37, 38
1	1	RC20GF822K	RESISTOR, FIXED, COMPOSITION	R22

SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C	#	ON B/M, CHGD. IT. 22, 23, 24 TO Tx Nos. ON V/O BLOCK VLRA-1 WAS VR-1	2-3-65	13302	WLA		
B	#	IT. (13) P/N WAS "RC20GF562K"	1-5-65	13108	RF		
A	-	IT. 22 WAS 2N396A, IT. 29 WAS NTH0632BN8	8-26-64	12096	WB		
O	#	ORIGINAL RELEASE FOR PRODUCTION	6-1-64	0	AM		
X6	#	SEE SHEET 1 OF 2	5/14/64	0	AM		
X5	#	ITEM 23 & 24, NOTE ADDED	5/4/64	0	AM		
X4	#	ITEM 34 ADDED; P/N RESISTORS CLARIFIED	3/3/64	4	AM		
X3	#	SEE SHEET 1 OF 2, REVISION "X3"	12-5-63	3	AM		
X2	#	ITEM(33) ADDED; BUILD-UP UPDATED	12-2-63	2	AM		
X1	#	LETTERING COMPLETELY REDRAWN	9-9-63	1	AM		

REF:CK-675

SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED:							
DIMENSIONS ARE IN INCHES							
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°							
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS & SHARP EDGES							

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
1	VLRA-1		AX-431	4-17-63
USED ON				

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
PRINTED CIRCUIT BOARD, ASSEMBLY (AF MODULE)				
MATERIAL				
TYPE & TEMPER HEAT TREAT. SPEC.				
FINISH & SPEC. NO.				
DRAWN		CHECKED		FINAL APPROVAL
ELEC. DES. APP.		MECH. DES. APP.		A-3201 C
SHEET 2 OF 2				