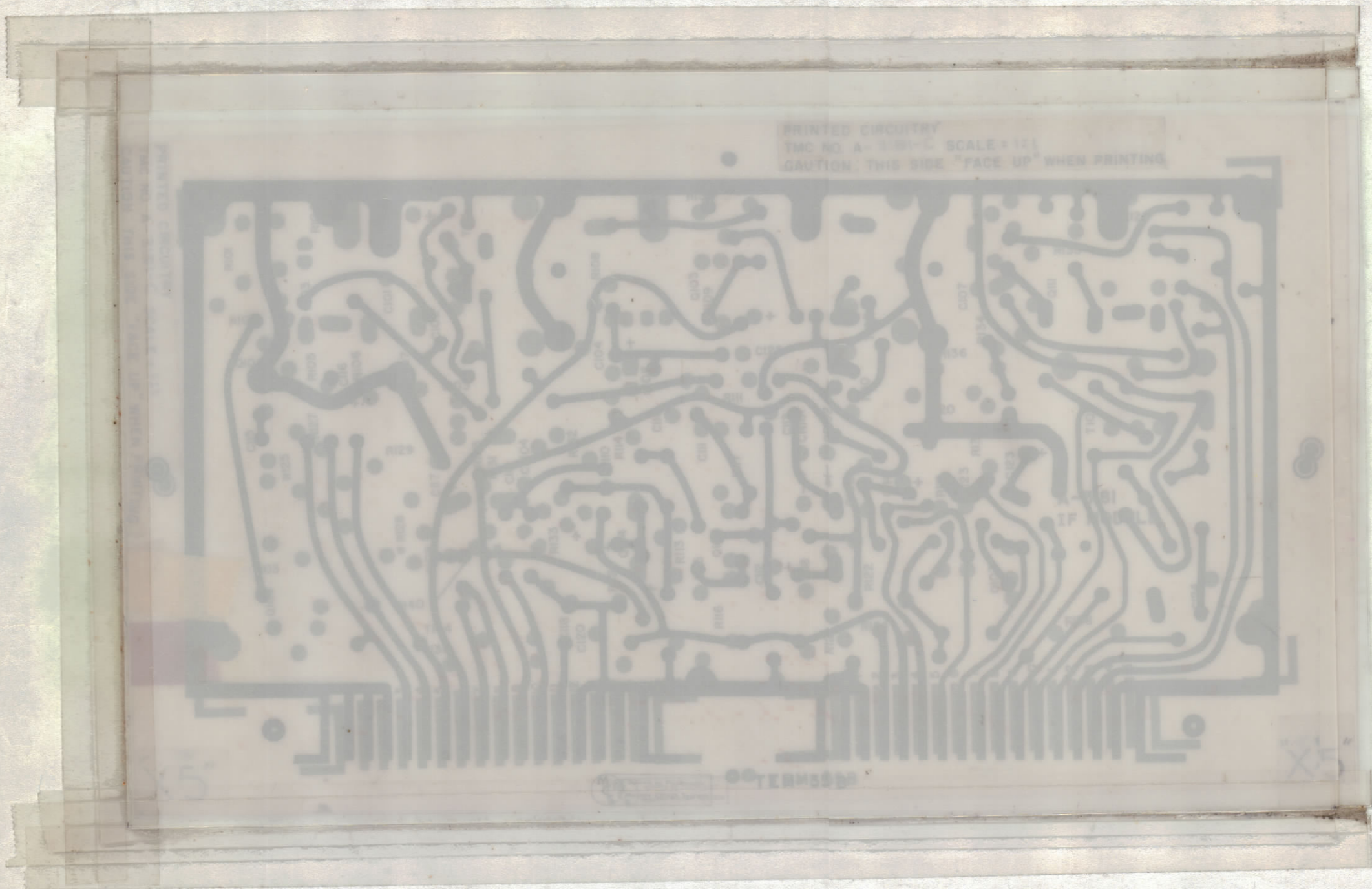


ETCHING, PRINTED CIRCUIT (A-3181-1)

REVISIONS						
ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
#	X1	SEE SHEET 2 OF 2 REVISION "X1"	9-11-63	1	af	
#	X2	SEE SHEET 2 OF 2 REVISION "X2"	11-18-63	2	af	
#	X3	SEE SHEET 2 OF 2 REVISION "X3"	11-22-63	3	af	
F2	X4	HOLE & PAD SPECS COMPLETELY CHANGED	12-5-63	4	af	
#	X5	SEE SHEET 2, A-3181-1 NEGATIVE UPDATED	3/14/64	5	af	
#	O	ORIGINAL RELEASE FOR PRODUCTION	6/1/64	0	A.M.	
BA	A	ON PC BOARD 1/16R ON 4 CORNERS ADDED	7-22-64	11871		
-	B	SEE SHEET 2 OF 2 REV. "B"	8-26-64	12096	WB	
-	C	SEE SHEET 2 OF 2 REV. "C"	11-9-64	12858	af	

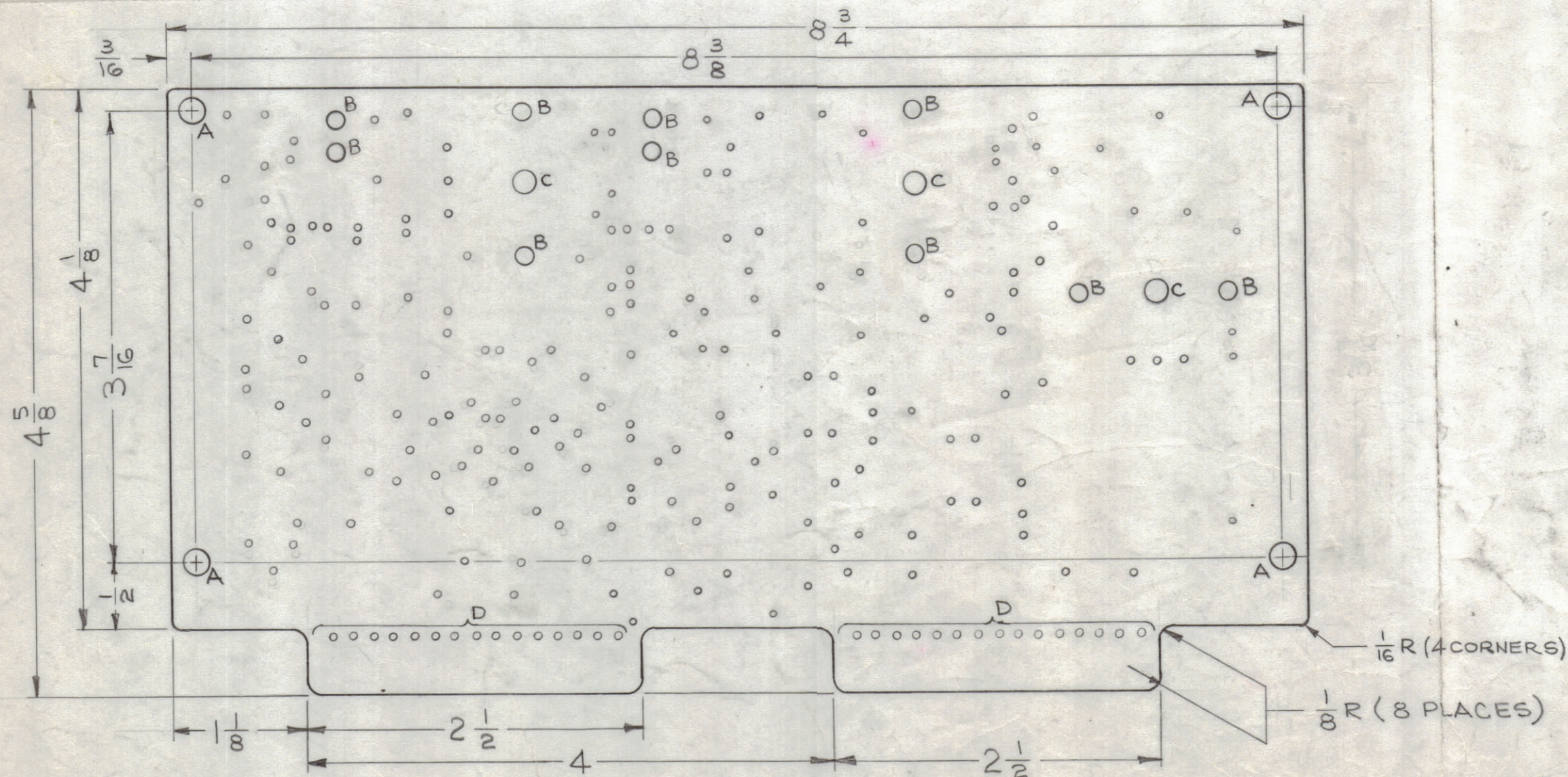


ORIGINAL ARTWORK TO BE REMOVED FROM PROTECTIVE POCKETS WHEN PHOTOGRAPHING.
NOTE: DOUBLE POCKETS

HOLE & PAD SPECIFICATIONS			
HOLE	DIA.	PAD DIA.	REQ.
UNMARKED	.050	.130	200
A	.189	.250	4
B	.120	.218	10
C	.189	NONE	3
D	.040	CONTACT FINGERS	30

NOTES: TO BE MANUFACTURED IN ACCORDANCE WITH TMC SPEC. S-735 UNLESS OTHERWISE SPECIFIED.

- MATERIAL - G-10 EPOXY GLASS LAMINATE 3/32 THICK, 2 OUNCE COPPER CLAD BOTH SIDES.
- ALL BOARDS WILL BE DOUBLE-SIDED. WHENEVER A PAD APPEARS ON THE PRINTED CIRCUIT SIDE, A SIMILAR AND SHAPE SHALL APPEAR ON THE COMPONENT SIDE IN EXACT REGISTER. (EXCEPT WHERE AN EXCEPTION IS NOTED)
- FINGER CONTACTS SHALL ALSO APPEAR ON THE COMPONENT SIDE OF BOARD AND SHALL BE CONNECTED WITH A .040 DIA. PLATED-THRU HOLE LOCATED IN THE CENTER OF EACH FINGER CONTACT .050" AWAY FROM THE MAIN BODY OF BOARD.
- (A) ALL HOLES EXCEPT "A" MTG. HOLES ARE TO BE PLATED-THRU WITH MINIMUM COPPER PLATING THICKNESS OF .001.
(B) PLATE .0003 TO .0005 NICKEL & 25 MILLIONTHS MINIMUM OF GOLD ALL ETCHED SURFACES AND PLATED-THRU HOLES.



THE ORIGINAL ARTWORK TO BE SUPPLIED BY TMC FOR PHOTOGRAPHING. (SCALE 1:1)

MACHINING (A-3181-2)
DO NOT SCALE DRAWING, WORK TO DIMENSIONS

REF: CK-678

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
1	VLR-1	AX-425
SCALE	CODE	
1:1		

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
M. GELLMAN LIST OF MATERIAL				
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
SEE NOTE #1		TITLE PRINTED CIRCUIT BOARD, ASSEMBLY (IF MODULE)		
FINISH		DRAWN [Signature] DATE 7-13-63		
SEE NOTE #1		CHECKED [Signature] DATE 6-1-64		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		ELECT. DES. [Signature] DATE 6-1-64		
DECIMALS .X ± .05 TOLERANCES ± 1/64 ANGLES ± 0° 30'		MECH. DES. [Signature] DATE [Signature]		
		FINAL APPROVAL [Signature] DATE [Signature]		
		SHEET 1 OF 2 REV. LTR. C		

NOTES

A-3181
C