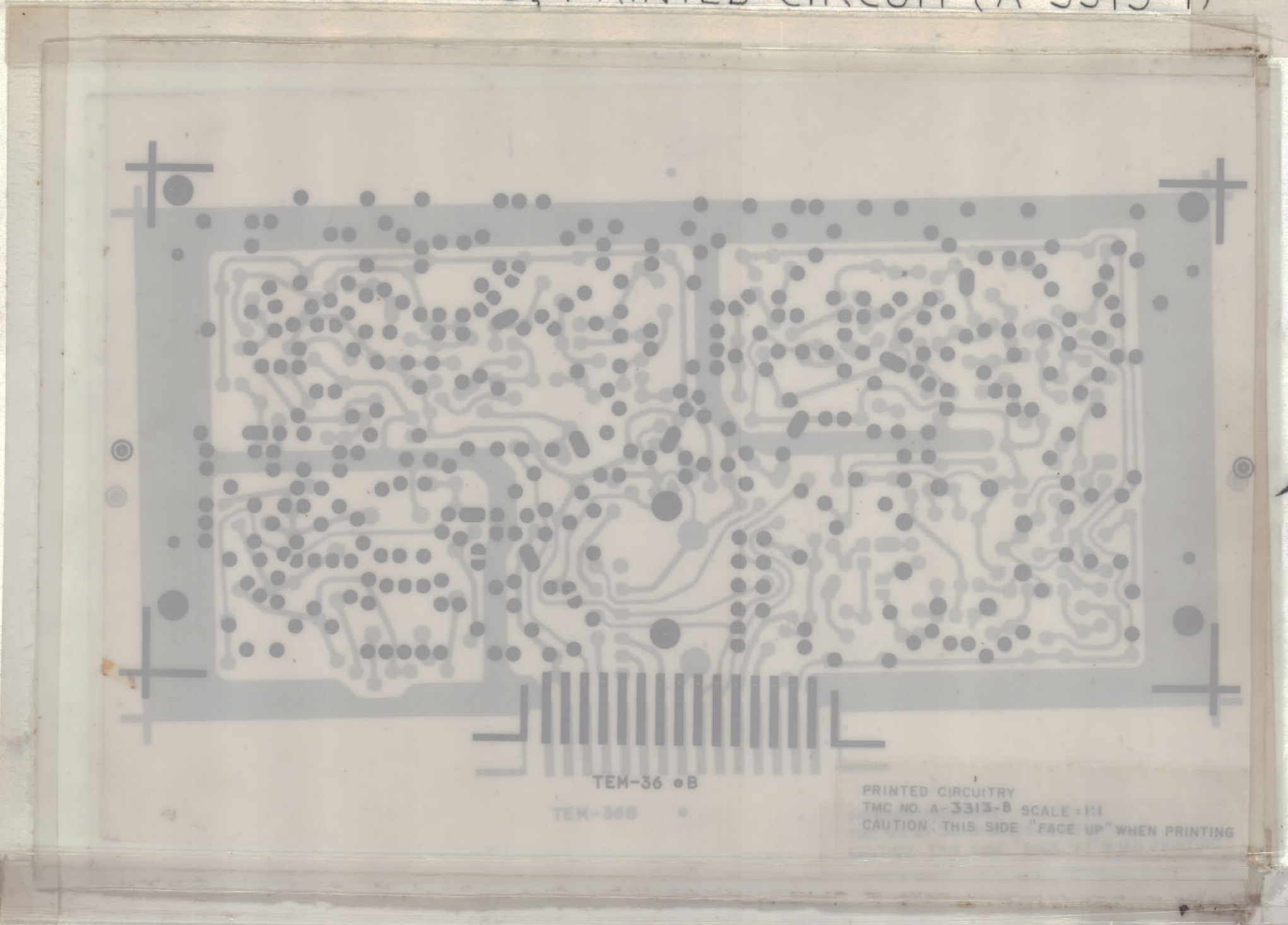


ETCHING, PRINTED CIRCUIT (A-3313-1)



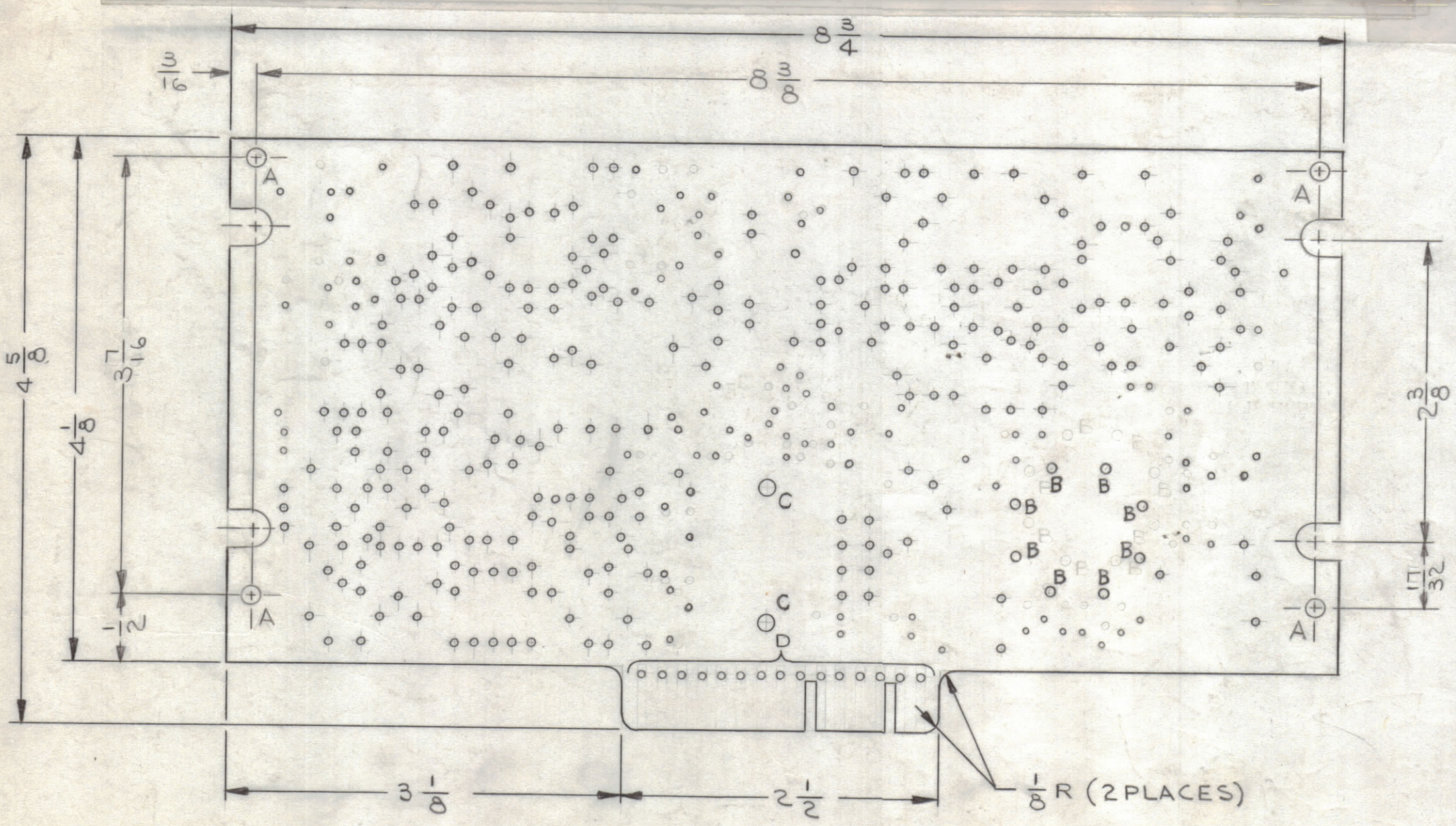
REVISIONS						
ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
	X1	DELETED "A" HOLES	7-1-64	1	NP	
	X2	ADDED "A" HOLES, MTG HOLES & SLOTS; REVISED NOTE-5	7/29/64	2	JL	
	Ø	ORIGINAL RELEASE FOR PRODUCTION	7-10-64		WJF	
-	A	SEE SHEET 2 OF 2 REV "A"	10-29-64	12786	WJF	WJF
	B	HOLE CHART: UNMARKED DIA. WAS .050; A: DIA. WAS .166; SEE SHEET 2 OF 2 REV. "B".	2-11-65	13224	WJF	WJF

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

HOLE & PAD SPECIFICATION			
HOLE	DIA	PAD DIA	REQ'D
UNMARKED	.040	.130	366
A	.161 TO .164	.250	4
B	.062	.150	8
C	.140	.250	2
D	.040	CONTACT FINGERS	15

NOTES:

- 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 SIZE 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.
- THE PRINTED CIRCUIT BOARDS SHALL BE KEYED WITH SLOTS .070" WIDE & .400" HIGH LOCATED BETWEEN FINGER CONTACTS 9 & 10, 13 & 14 AS VIEWED FROM COMPONENT SIDE OF BOARD.
- (A) ALL 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-3313-2)

DO NOT SCALE, WORK TO DIMENSIONS

REF: CK 707

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
1	LFS A-1	AX-475
SCALE	CODE	
1:1	A	

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REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
GELLMAN LIST OF MATERIAL				
MATERIAL		SEE NOTE #1		
FINISH		SEE NOTE #1		
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
		TITLE: PRINTED CIRCUIT BOARD ASSEMBLY (PHASE DETECTOR MODULE)		
DRAWN		DATE		FINAL APPROVAL
J. LESHINSKI		11/19/63		
CHECKED		DATE		
		7-10-64		
ELECT. DES.		DATE		
		7-10-64		
MECH. DES.		DATE		
A 3313				B
SHEET 1 OF 2				REV. LTR.

NOTES

A 3313 B