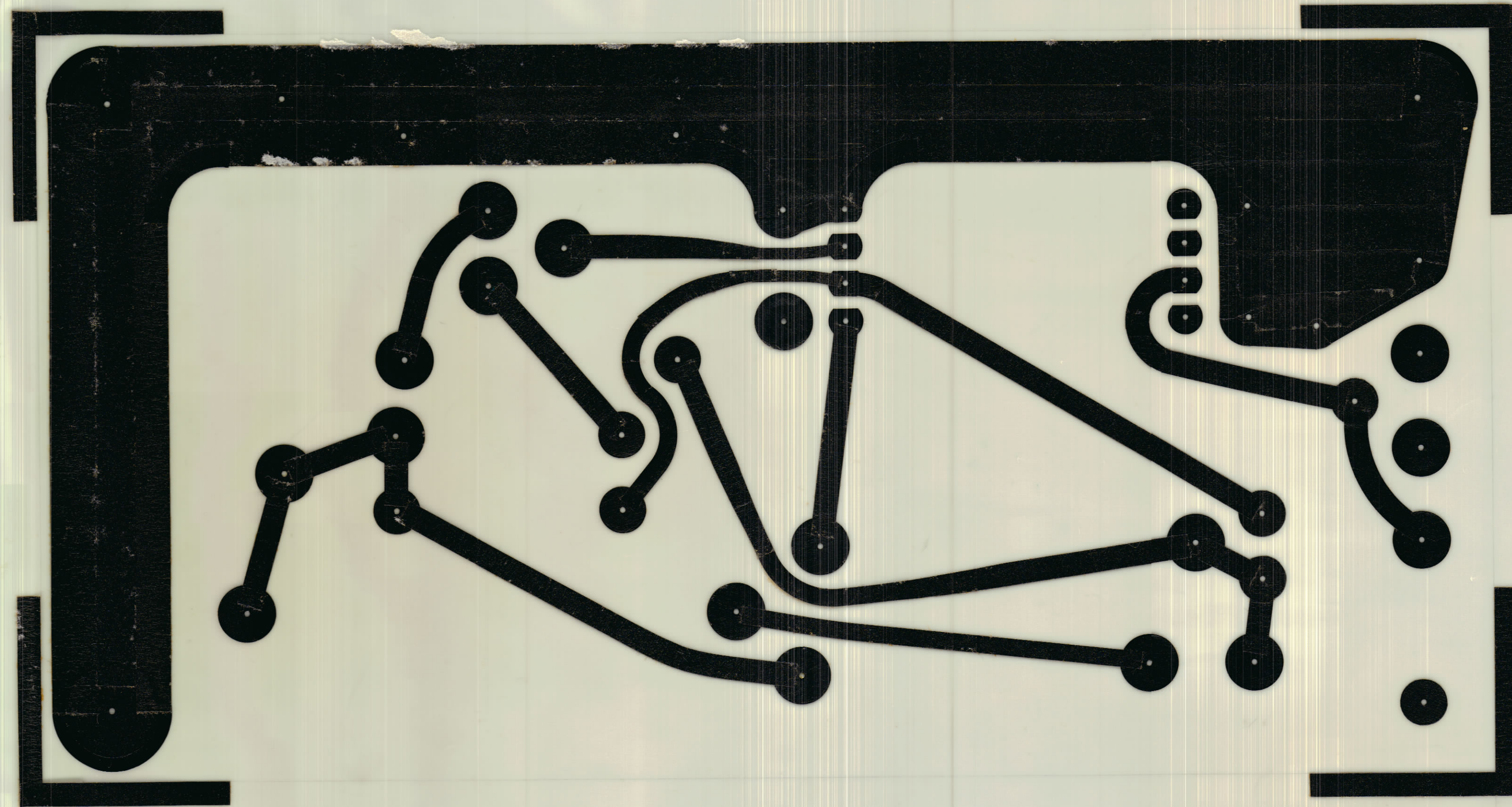
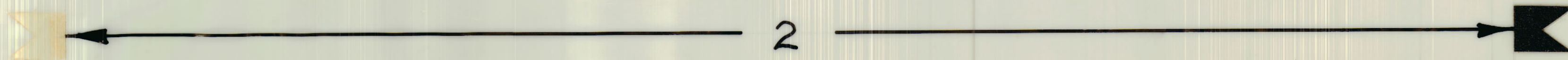


ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
X3		ENGINEERING RELEASE	NOV 1/68		AP		

SCALE 4:1

NEGATIVE 1:1

BOTTOM PATTERN



REF. A10742-2 FOR PLATING NOTES

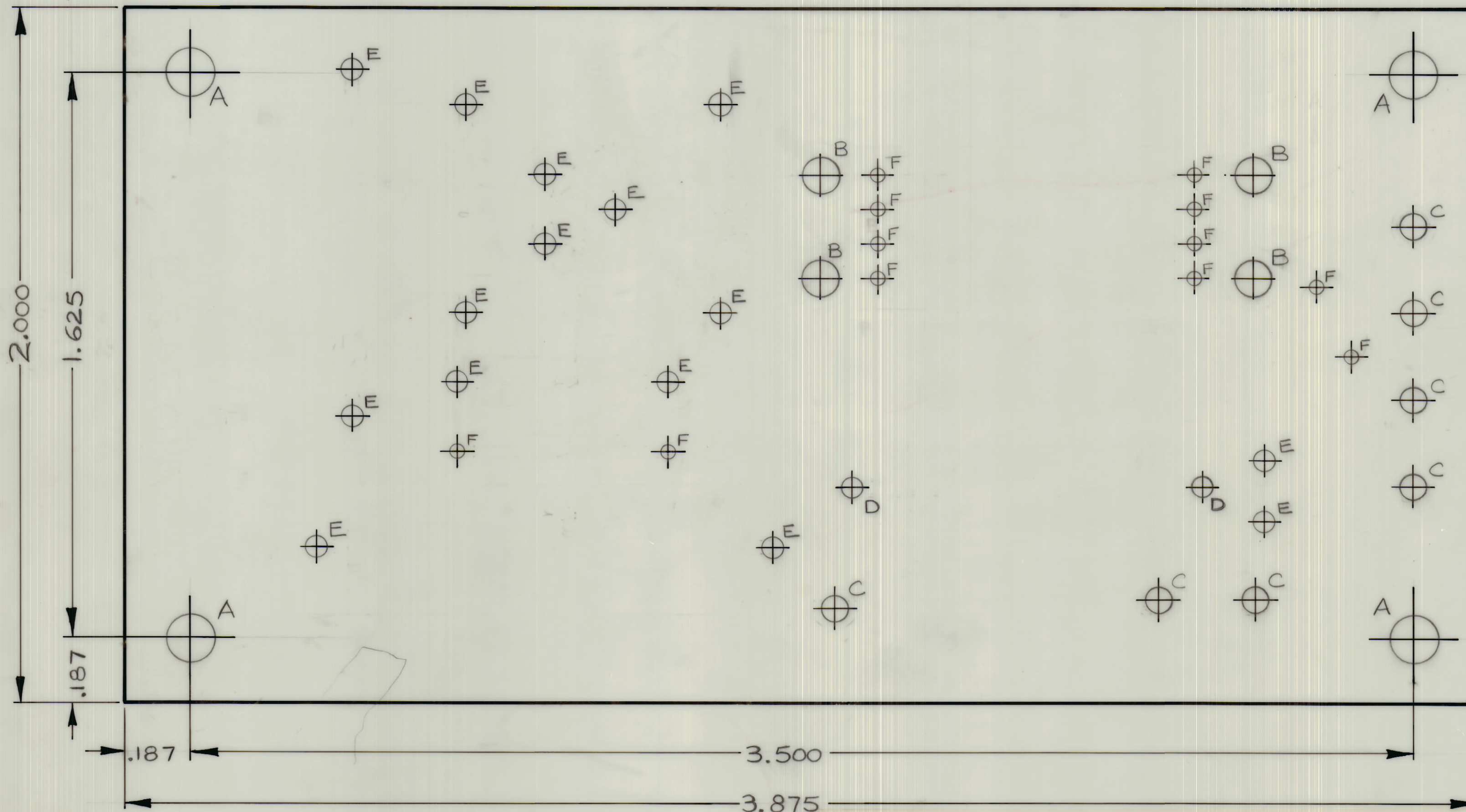
AMC	074/69		OCT 15/68	TMC (Canada) LIMITED OTTAWA ONTARIO		
MODEL	PROJECT NO.	ASSY. NO.	DATE	STOCK SIZE	P.C. ASS'Y, REGULATOR	
USED ON				MATERIAL	WEIGHT PER PC.	
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.			IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.			
TOLERANCES			SCALE			
ALL OTHERS	DEC. DIM. ± UNLESS OTHERWISE SPECIFIED ±.015	DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		HEAT TREAT. SPEC.		
	FRAC. DIM. ± SPECIFIED ±.015	DRILL PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.		FINISH & SPEC. NO.		
	ANGULAR DIM. ±			CHECKED	FINAL APPROVAL	
				SHEET 1 OF 6 A10742-1 X3		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

NOTES:

- (1) PLASTIC SHEET, LAMINATED, COPPER CLAD.
FL-GE 062-C-2/0 PER MIL-P-13949
- (2) PLATED WITH A MINIMUM OF .0003 INCH OF
TIN LEAD
- (3) THIS BOARD SHALL MEET THE REQUIREMENTS
OF TMC SPEC. 735

SCALE 4:1



HOLE	DESCRIPTION	REQ'D
A	.140 DIA.	4
B	.109 DIA.	4
C	.081 DIA.	6
D	.059 DIA.	2
E	.052 DIA.	15
F	.039 DIA.	12

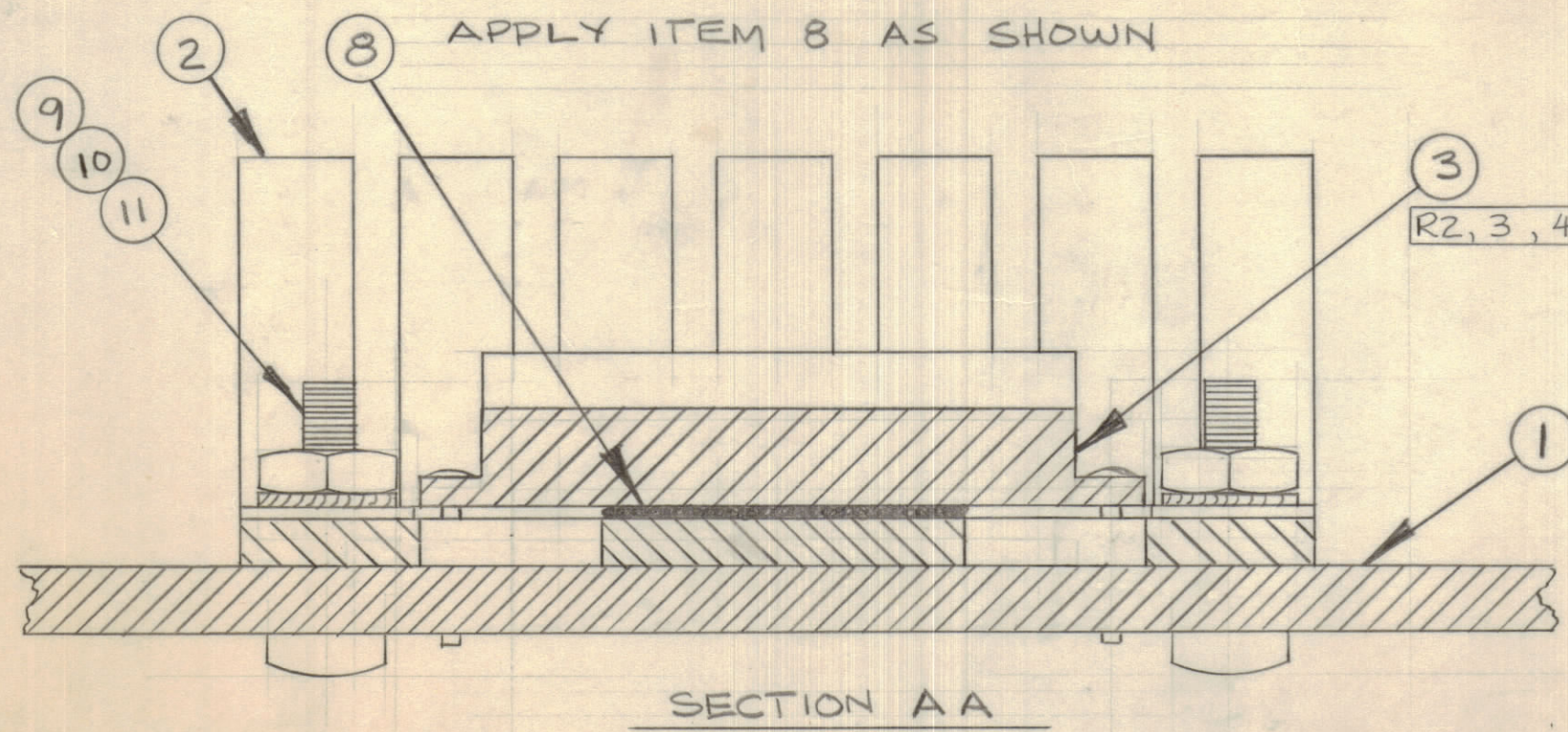
AMC	074/69		OCT. 15/68	TMC (Canada) LIMITED OTTAWA ONTARIO	
MODEL	PROJECT NO.	ASS'Y. NO.	DATE	R.C. ASS'Y, REGULATOR	
USED ON				MATERIAL	WEIGHT PER PC.
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				TYPE & TEMPER	
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.				HEAT TREAT. SPEC.	
TOLERANCES				FINISH & SPEC. NO.	
ALL OTHERS	DEC. DIM. ±	DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		DRAWN: RPL	
	FRAC. DIM. ±	DRILL PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.		ELEC. DES. APP. [Signature]	
	ANGULAR DIM. ±			MECH. DES. APP. [Signature]	
				CHECKED	
				FINAL APPROVAL	
				SHEET 2 OF 6 A10742-2 X3	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.

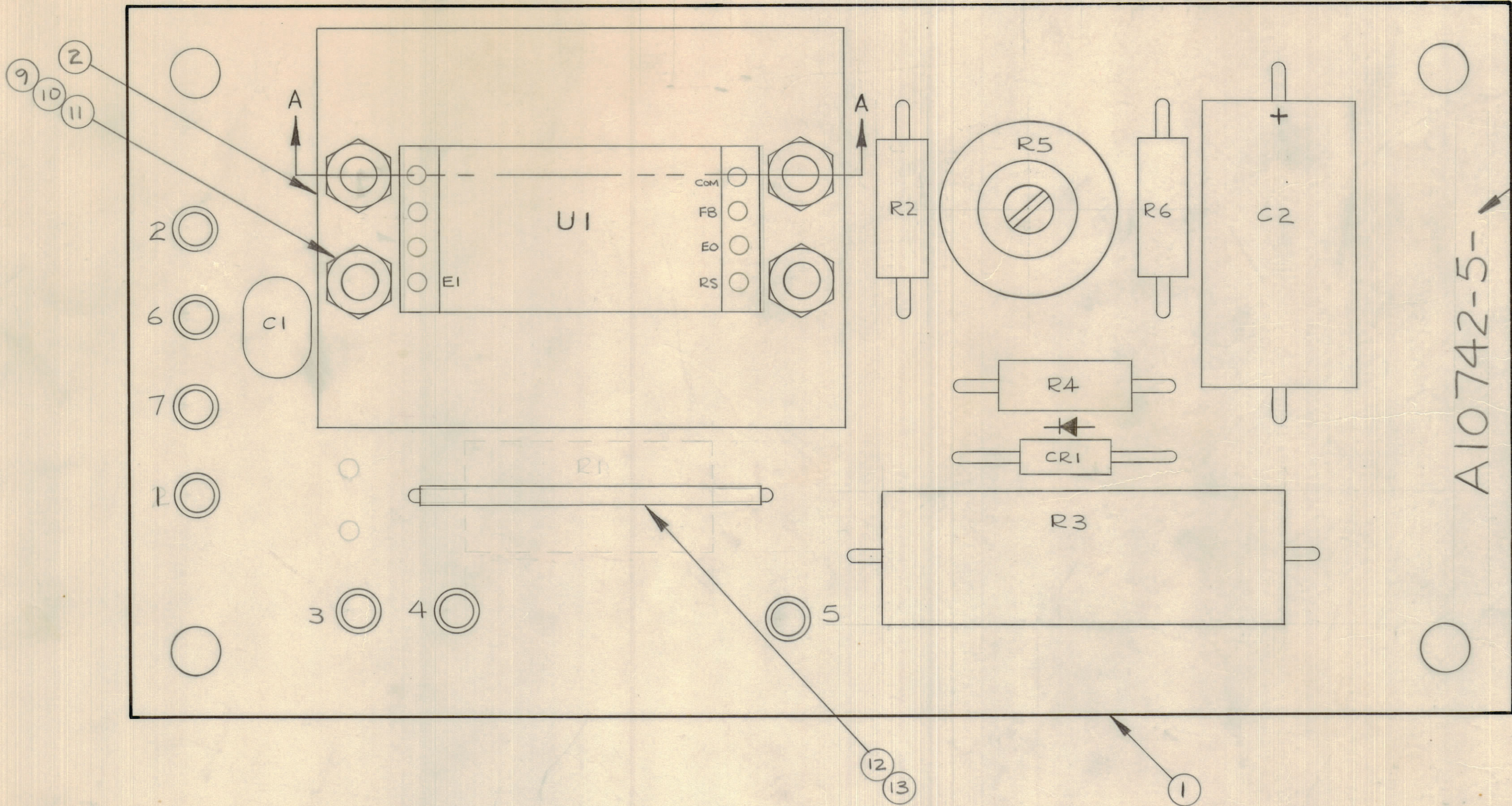
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	1	A10742-4	P.C. ASS'Y. REGULATOR	
1	2	HD10006	HEAT SINK	
1	3		I.C. REGULATOR	U1
1	4		RESISTOR, VARIABLE	R5
4	5		RESISTOR, FIXED	
2	6		CAPACITOR, FIXED	C1, C2
1	7		DIODE	CR1
AR	8	GL138	COMPOUND, SILICONE	
4	9	LWE02MSS	WASHER, LOCK EXTERNAL	
4	10	NTH0256SS6	NUT, HEX.	
4	11	SCP0256SS4	SCREW, MACHINE	
AR	12	PX104-4-034	SLEEVING, INSULATED	
AR	13	WL100-6	WIRE, BUSS	
AR	14	BS100	SOLDER, SOFT	

NOTE: FOR PART NO'S OF ELECTRICAL COMPONENTS REF. MATERIAL LIST



ADD LATEST REV. LETTER TMC PART NO.

A10742-5-

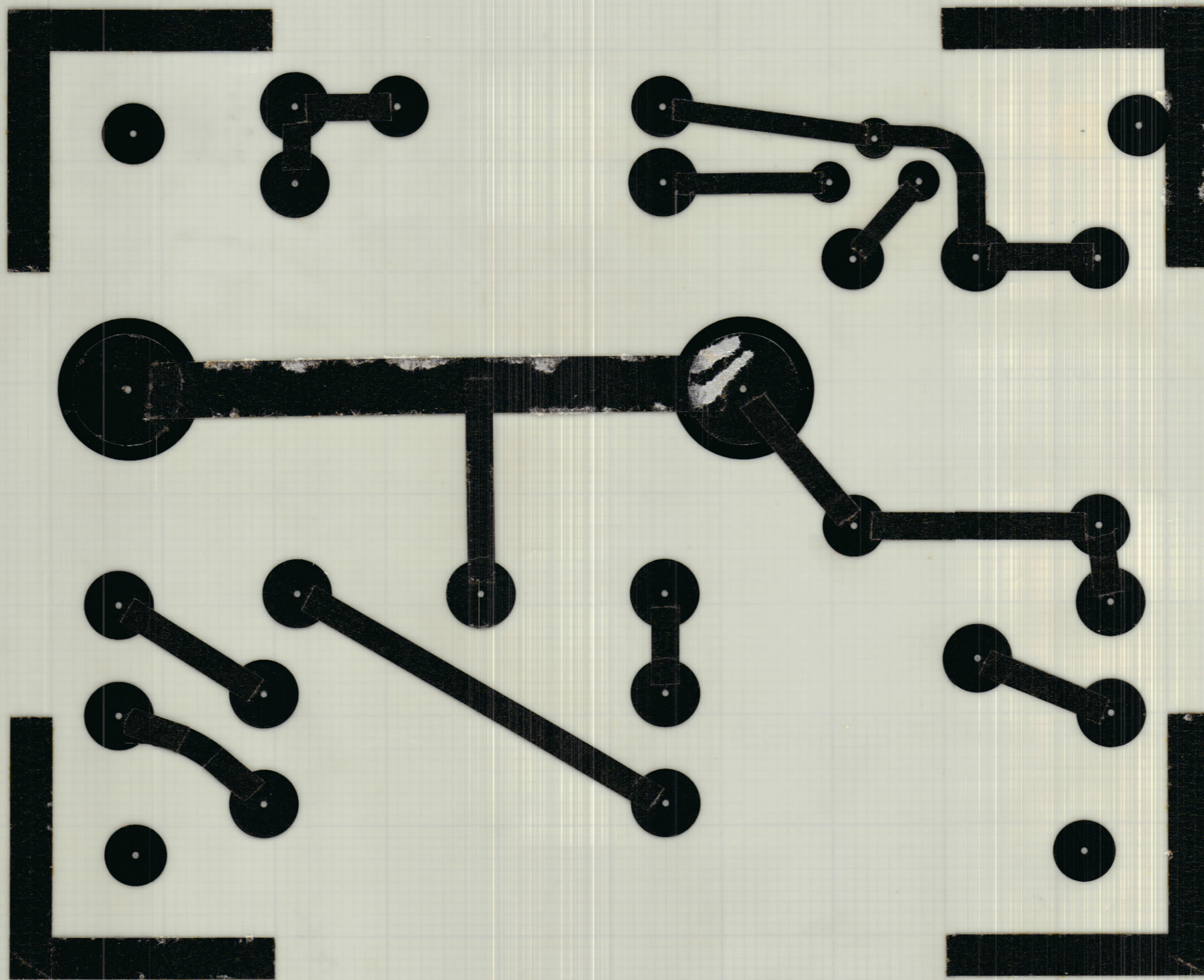
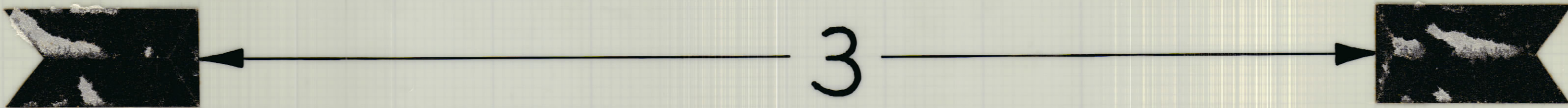
A10742-5 X3

SCALE 4:1

TOLERANCES		SCALE:
ALL OTHERS	DEC. DIM. ± 1/64 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 0° 30'	.X = .05 .XX = .01 .XXX = .005 DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

AMC	074/69		OCT. 15/68
MODEL	PROJECT NO.	ASS'Y. NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO		
MATERIAL		P.C. ASS'Y, REGULATOR		
TYPE & TEMPER		RPL	KaH	
HEAT TREAT. SPEC.		DRAWN	ELEC. DES. APP.	MECH. DES. APP.
FINISH & SPEC. NO.		CHECKED	FINAL APPROVAL	
SHEET 5 OF 6 A10742-5 X3				



BOTTOM PATTERN
SCALE 4:1
NEGATIVE 1:1

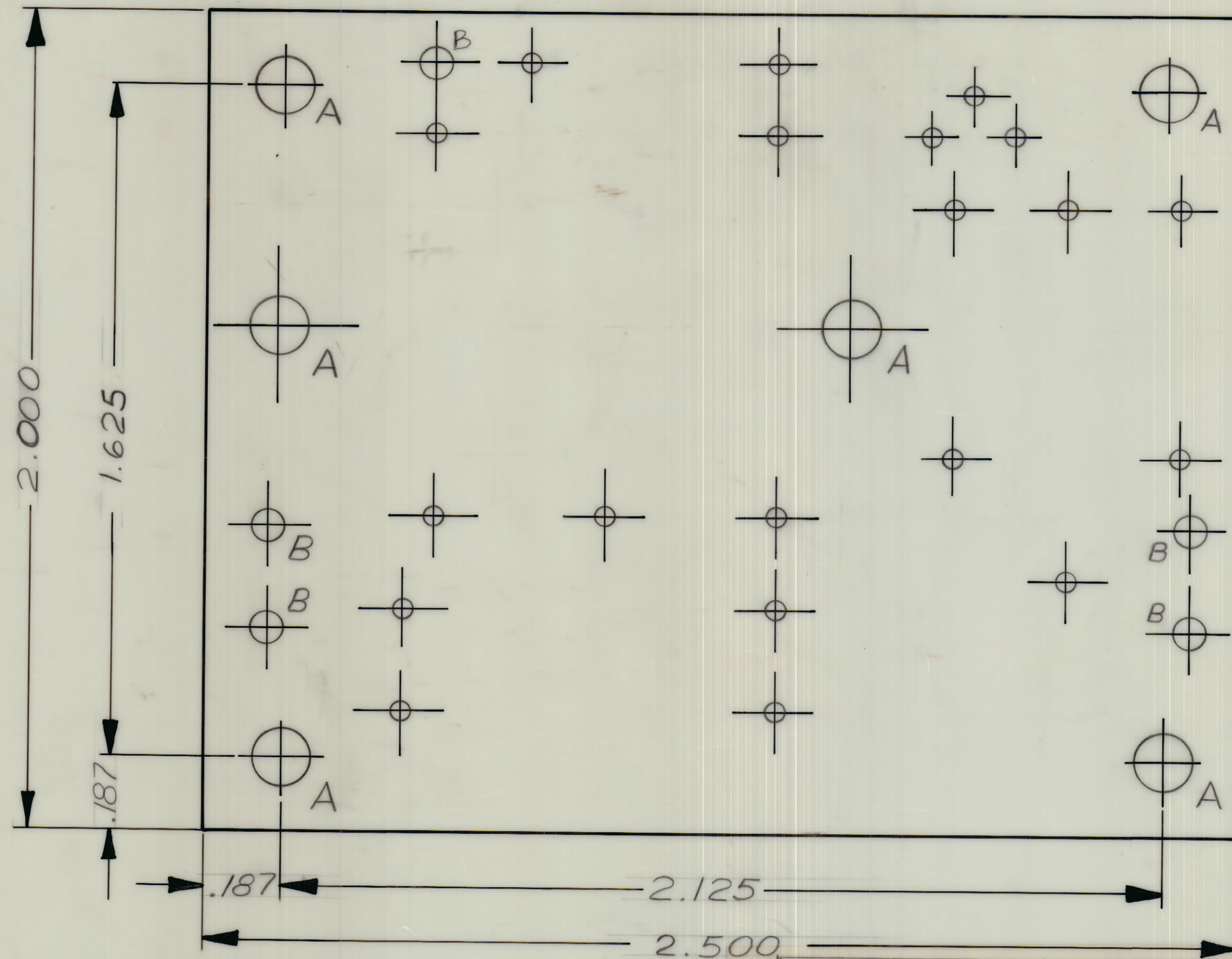
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B		REV PER CEMN	JAN 20/71	895	JDR	<i>[Signature]</i>	NA
A		REV AS PER CEMN	JULY 21/69	513	AP		<i>[Signature]</i>
Ø		REL TO PROD	JULY 7/69		AP		<i>[Signature]</i>

SME-5	107/70	A10755-6	20 JAN '71
MCU-16	085/69	A10755-5	MAR 20/69
MODEL	PROJECT NO.	ASSY. NO.	DATE
USED ON			
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES		IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.	
TOLERANCES		SCALE	
ALL	DEC. DIM. ± .X = .06	DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED	
OTHERS	FRAC. DIM. ± 1/64 .XX = .01	DRILL: PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.	
	ANGULAR DIM. ± 0° 30' .XXX = .006		
STOCK SIZE			
MATERIAL			
WEIGHT PER PC			
TYPE & TEMPER			
HEAT TREAT. SPEC.			
FINISH & SPEC. NO.			
TMC (Canada) LIMITED OTTAWA ONTARIO PRINTED CIRC. ASS'Y MICROPHONE AMPLIFIER AP <i>[Signature]</i> SIMPSON DRAWN ELEC. DES. APP. MECH. DES. APP. CHECKED FINAL APPROVAL Sht 1 of 6 A10755-1 B			

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		REL TO PROD	JULY 7/69		AP		<i>[Signature]</i>
A		REV AS PER CEMN	JULY 21/69	513	AP		<i>[Signature]</i>
B		REV PER CEMN	JAN 20/71	895	JDR	<i>[Signature]</i>	<i>[Signature]</i>

BOTTOM PATTERN
SCALE 4:1
NEGATIVE 1:1

HOLE	DESCRIPTION	REQ'D
A	.140 DIA.	6
B	.080 DIA.	5
UNMARKED	.046 DIA.	CH



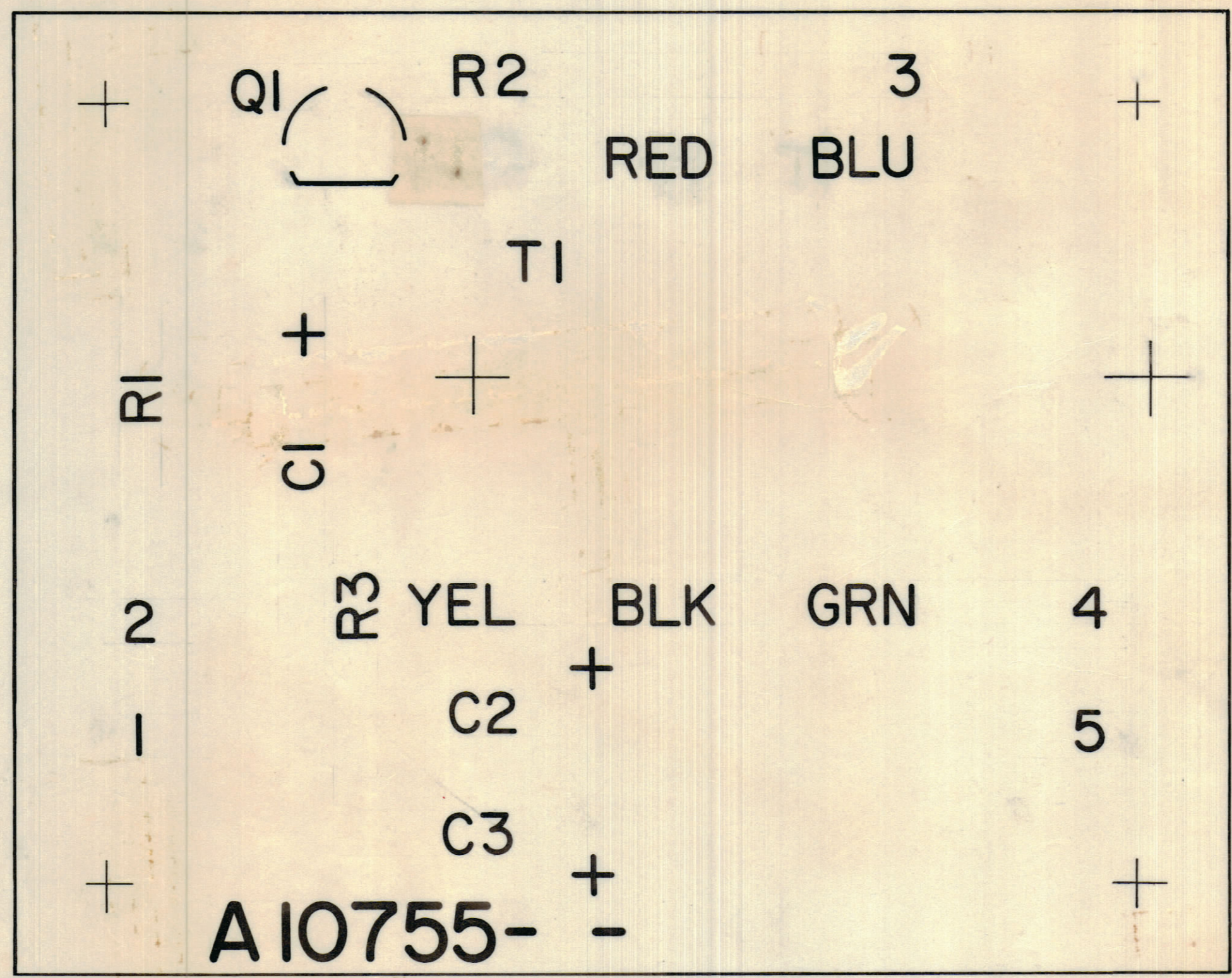
NOTE :-
1 MATERIAL: FL-GE -.062 -2/0
2 PLATED WITH .0003 INCH OF TIN LEAD.

SME-5	107170	A10755-6	20 Jan 71	TMC (Canada) LIMITED OTTAWA ONTARIO	
MCL-16	085169	A10755-5	JULY 7/69		
MODEL	PROJECT NO.	ASS'Y. NO.	DATE	STOCK SIZE	
USED ON				MATERIAL	WEIGHT PER PC.
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				TYPE & TEMPER	
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.				HEAT TREAT. SPEC.	
TOLERANCES				SCALE 4:1	
ALL	DEC. DIM. ±	.X = .05	DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		
OTHERS	FRAC. DIM. ±	1/64 .XX = .01	DRILL PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.		
	ANGULAR DIM. ±	0° 30' .XXX = .005	FINISH & SPEC. NO.		
CHECKED				FINAL APPROVAL	
Sht 2 of 6				A10755-2 B	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED					
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.							
ISSUE	ITEM	CHANGED FROM	DATE	EN. NO.	DRAFTS	CHECKER	ENG. APP.
Ø		REL TO PROD	7 JUL 69		AP		
A		REV AS PER CEMN	21 JUL 69	513	AP		
B		REV PER CEMN	28 JUL 69	895	JDR		
C		REV PER CEMN	10/71	750	LAT		

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
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SCALE 4:1
NEGATIVE 1:1
REF. TOP PATTERN



A10755-3 B

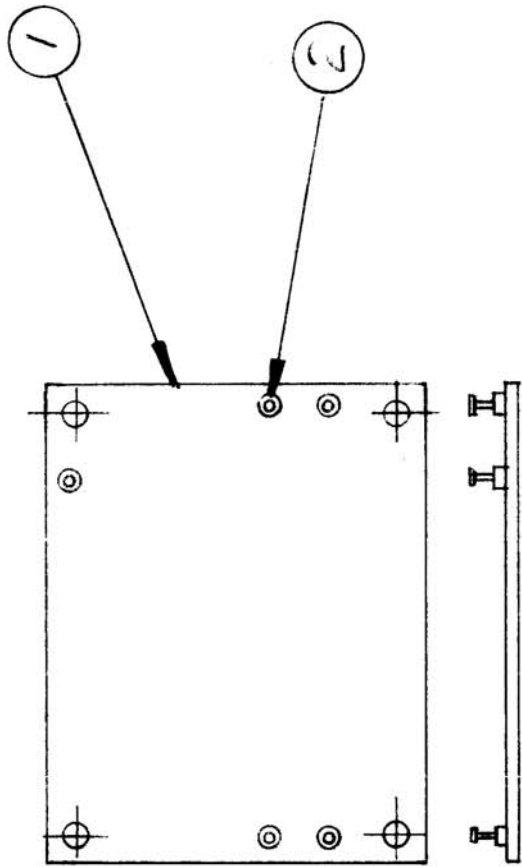
LETTERING NOTES:-
 1. WHITE EPOXY PAINT
 2. HEIGHT OF CHARACTERS .093 +.015
 3. WIDTH OF LINES .015 +.010
 4. HEIGHT OF BOARD NO. CHARACT. .125 +.015
 5. LINE WIDTH OF BOARD NO. CHARACT. .020 +.010
 6. MARKING TO MEET REQUIREMENTS OF TMC SPEC. 727.

TOLERANCES		SCALE: 4:1
ALL OTHERS	DEC. DIM. ± .XX*01 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 0° 30'	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

SME-5	107/70	A10755-6	20 JAN '71
MCU-16	085/69	A10755-5	JULY 7/69
MODEL	PROJECT NO.	ASS'Y. NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		PC. ASS'Y MICROPHONE AMPLIFIER	
TYPE & TEMPER		AP	SMR
HEAT TREAT. SPEC.		CHECKED	FINAL APPROVAL
FINISH & SPEC. NO.		Sht 3 of 6 A10755-3 B	

ISSUE	ITEM	CHANGED FROM	DATE	CM. NO.	DRAFTS	CHECKER	ENG. APP.	REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
Ø		REL. TO PRIM	JULY 7/69		AP			1	1	A10755-3	PC ASSY MIC. AMP. (LETT)	
A		REV. AS PER CEMN	JULY 21/69	513	AP			5	2	TE127-2	TERMINAL STUD	
B		REV. PER CEMN	20 JAN 71	895	JDR	<i>[Signature]</i>						



MODEL	PROJECT NO.	ASSY. NO.	DATE	USED ON
SME-5	107170	A10755-6	20 JAN 71	
MCU-16	085169	A10755-5	JULY 7/69	

STOCK SIZE		WEIGHT PER PC.	
MATERIAL		TYPE & TEMPER	
DRAWN		HEAT TREAT. SPEC.	
ELEC. DES. APP.		FINISH & SPEC. NO.	
MECH. DES. APP.			

TOLERANCES		SCALE 1:1	
DEC. DIM. ± .X = .05	DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		
FRAC. DIM. ± 1/64 .XX = .01	DRILL: PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.		
ANGULAR DIM. ± 0'30' .XXX = .005			

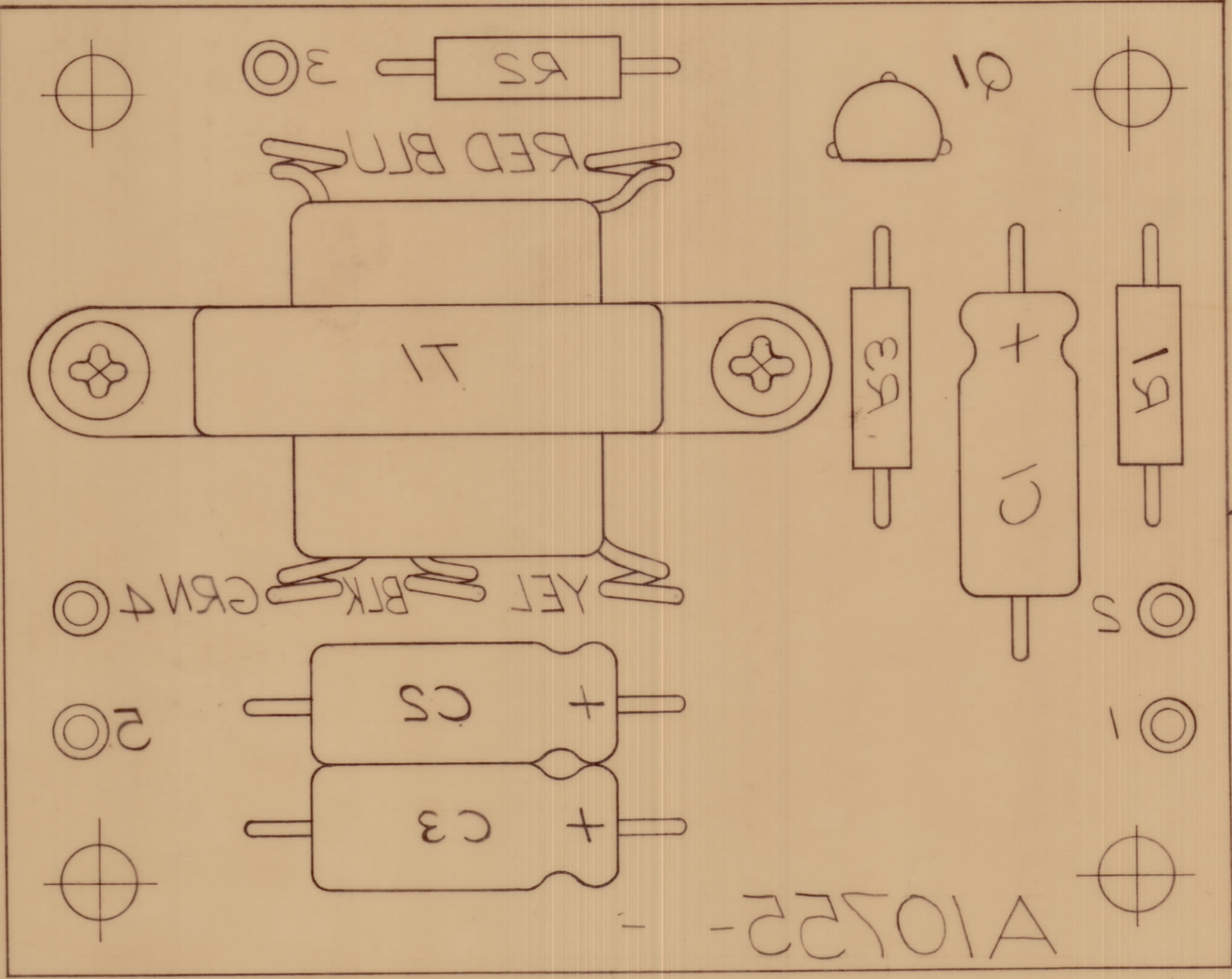
TMC (Canada) LIMITED OTTAWA		PC. ASSY (SUB) MICROPHONE	
AMPLIFIER		AP	
DRAWN		ELEC. DES. APP.	
CHECKED		MECH. DES. APP.	
Sh 40:6		A10755-4 B	

ALL OTHERS	ANGULAR DIM ± 0° 20'	XXX* 008
	RAC DIM ± 1/64"	XX* 01
	DEC DIM ± 1/32"	X* 08
TOLERANCES ARE NOT INCLUDED SIZES AND MANUFACTURERS DRILL, PUNCH, COMMERCIAL STOCK		
SCALE: All		

MODEL	MCU-16	DATE	JULY 1968
PROJECT NO.	082/69	ASBY. NO.	
USED ON			

FINISH & SPEC. NO.	
HEAT TREAT SPEC.	CHECKED
TYPE & TEMPER	AP
MATERIAL	PC
WEIGHT PER PC	
STOCK SIZE	
PC. ASS'Y MICROPHONE AMPLIFIER	
TMC (Canada) LIMITED OTTAWA ONTARIO	

REF: SCHEMATIC CN10731



A10755-2 B

NOTE:-
FOR ELECTRICAL PART NO.'S REFER
TO MATERIAL PARTS LIST.

REC	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	1	A10755-4	PC. SUB ASS'Y MIC. AMP.	
1	2		TRANSFORMER	T1
3	3		CAPACITOR FIXED	C1-C4
3	4		RESISTOR FIXED	R1-R2
1	2		TRANSISTOR	Q1

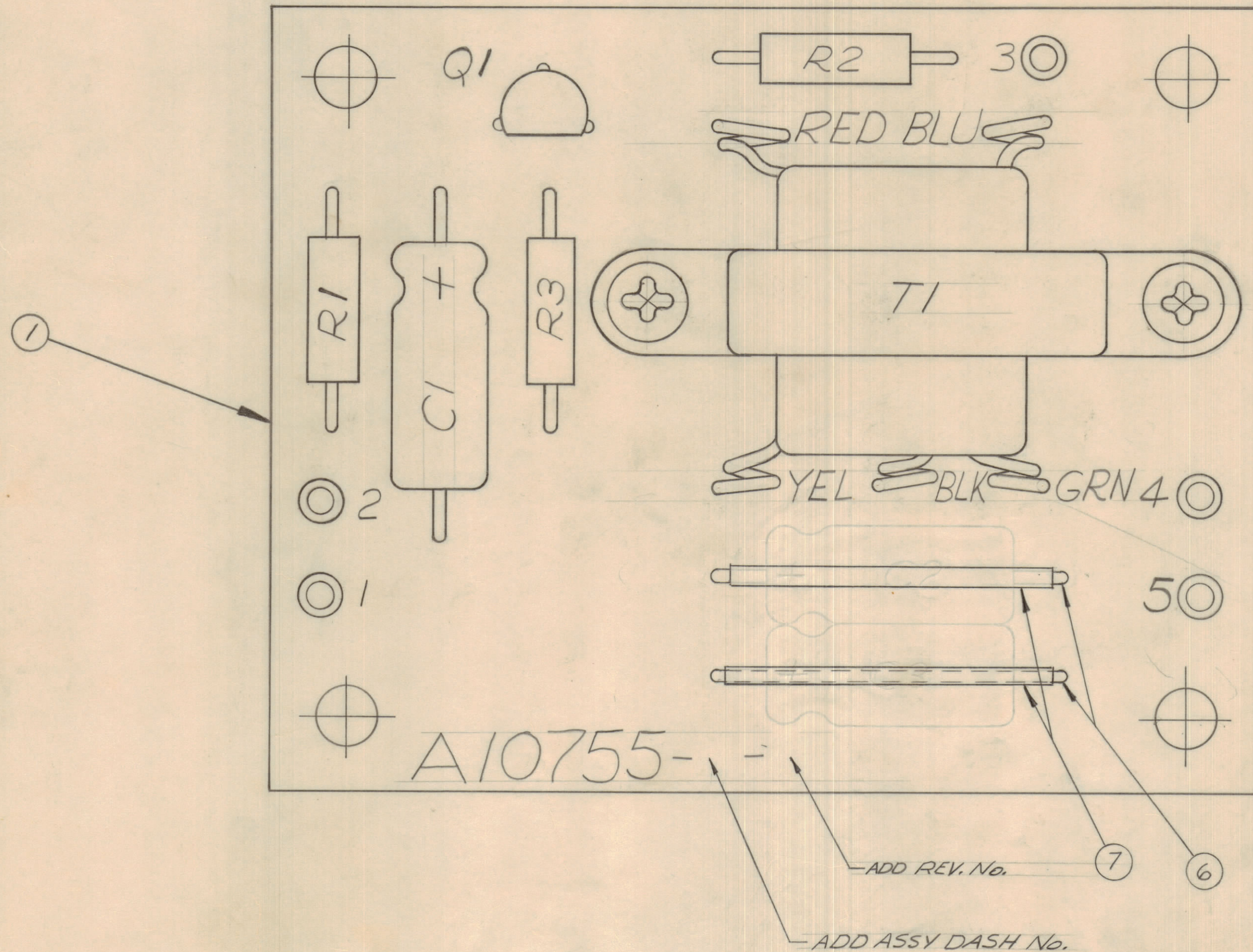
ISSUE	ITEM	CHANGED FROM	DATE	DR. NO.	CHECKER	ENG. APP.
0		REL TO PROD	JULY 1968		AP	
A		REV AS PER CEM	JULY 1968	213	AP	
B		REV PER CEM	JAN 20 1968	882	DK	

IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY. MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES SPECIFIED OTHERWISE INCHES UNLESS OTHERWISE SPECIFIED

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED					
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.							
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B		REV. PER CEMN	20 JAN 71	895	JDR		MA
C		REV. PER CEMN	3/71	910	AIT		RS

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	1	A10755-4	PC. SUBASS'Y MIC. AMP.	
1	2		TRANSFORMER	T1
3	3		CAPACITOR FIXED	C1
3	4		RESISTOR FIXED	R1-R3
1	5		TRANSISTOR	Q1
A/R	6		BLISS, WIRE	
A/R	7		SLEEVE, INSUL.	

NOTE: FOR ELECTRICAL PART NO.'S REFER TO MATERIAL PARTS LIST.



A10755-6 B

REF: SCHEMATIC CK10809

TOLERANCES		SCALE: 4:1
ALL OTHERS	DEC. DIM. ± .XX*.01 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 0° 30'	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

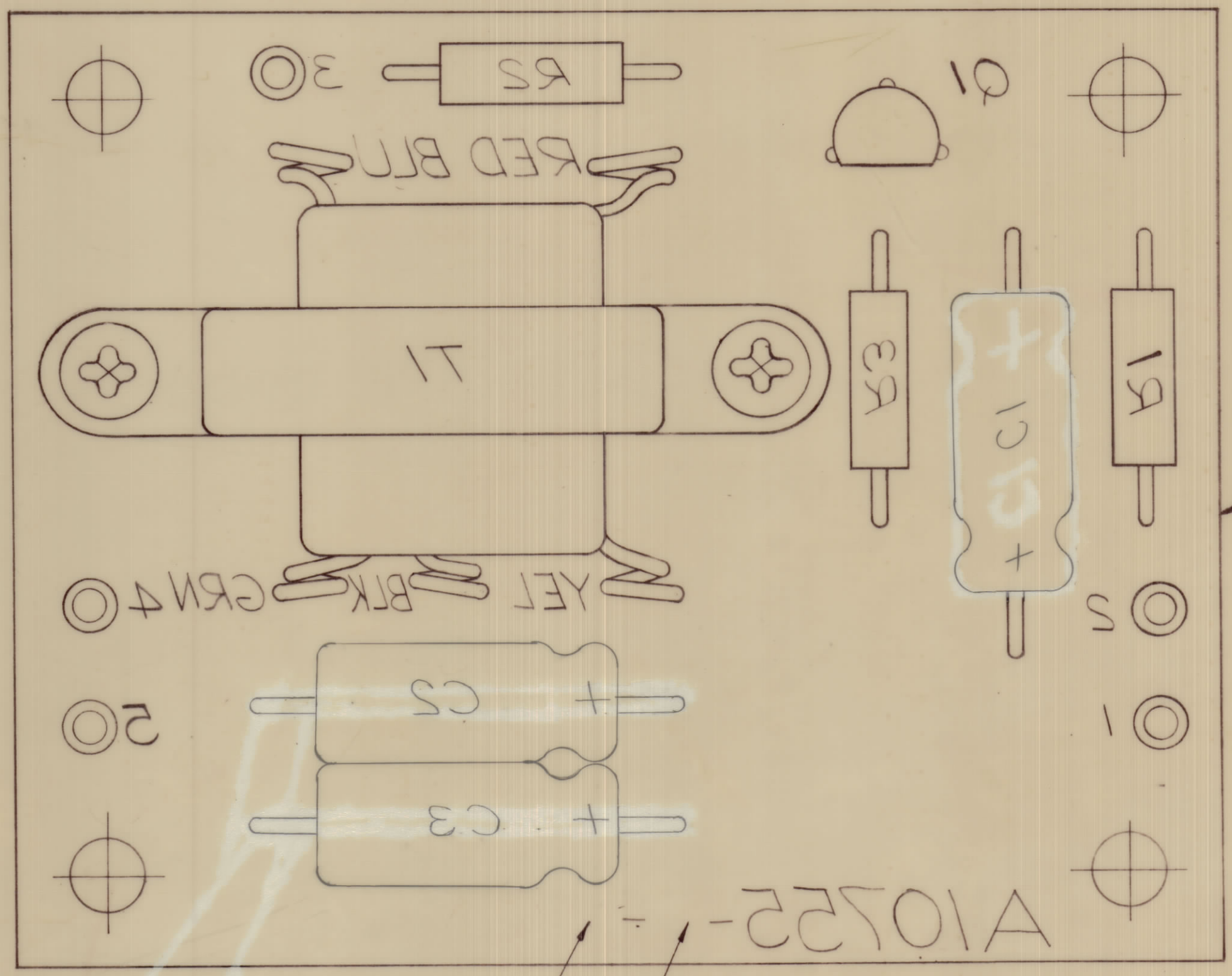
SME-5	107/71	19 JAN 71
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		PC. ASS'Y MICROPHONE AMPLIFIER	
TYPE & TEMPER		DRAWN: J. PESORLA	ELEC. DES. APP: [Signature]
HEAT TREAT. SPEC.		CHECKED: D. Thomas	FINAL APPROVAL: [Signature]
FINISH & SPEC. NO.		Sht 6 of 6 A10755-6 B	

ISSUE	DATE	CHANGED FROM	BY
B	20/11/80	REV. PER CEM	J.P.
DATE	CH NO.	DRAWN	CHECKER
WILL BE CAUSE FOR REJECTION REMOVE ALL BURRS AND SHARP EDGES			
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS SPECIFIED			
INCHES UNLESS OTHERWISE SPECIFIED			
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.			

SYMBO	DESCRIPTION	PART NO.	QTY	REMARKS
1	TRANSISTOR	A10755-4	1	
3	RESISTOR FIXED		3	
3	CAPACITOR FIXED		3	
1	TRANSFORMER		1	

NOTE: FOR ELECTRICAL PART NO'S REFER TO MATERIAL PARTS LIST.



A10755-7 X

REF: SCHEMATIC CK 10823

ADD ASSY DASH NO.
ADD REV. NO.

TMC (Canada) LIMITED ONTARIO		STOCK SIZE
PC. ASSY MICROPHONE		MATERIAL
AMPLIFIER		WEIGHT PER PC.
J. THOMAS		DATE & TEMPER.
DRAWN		HEAT TREAT SPEC.
CHECKED		FINISH & SPEC. NO.
A10755-7 X		DATE
24/10/71		15 APR. 71

TOLERANCES	SCALE: 4:1
ANGULAR DIM. 0° 30' .XXX* .008	
FRACTIONAL DIM. 1/32 .XXX* .01	
DEC. DIM. .XXX* .00	
TOLERANCES ARE NOT INCLUDED IN SIZE AND MANUFACTURER'S DRILL PUNCH COMMERCIAL STOCK	