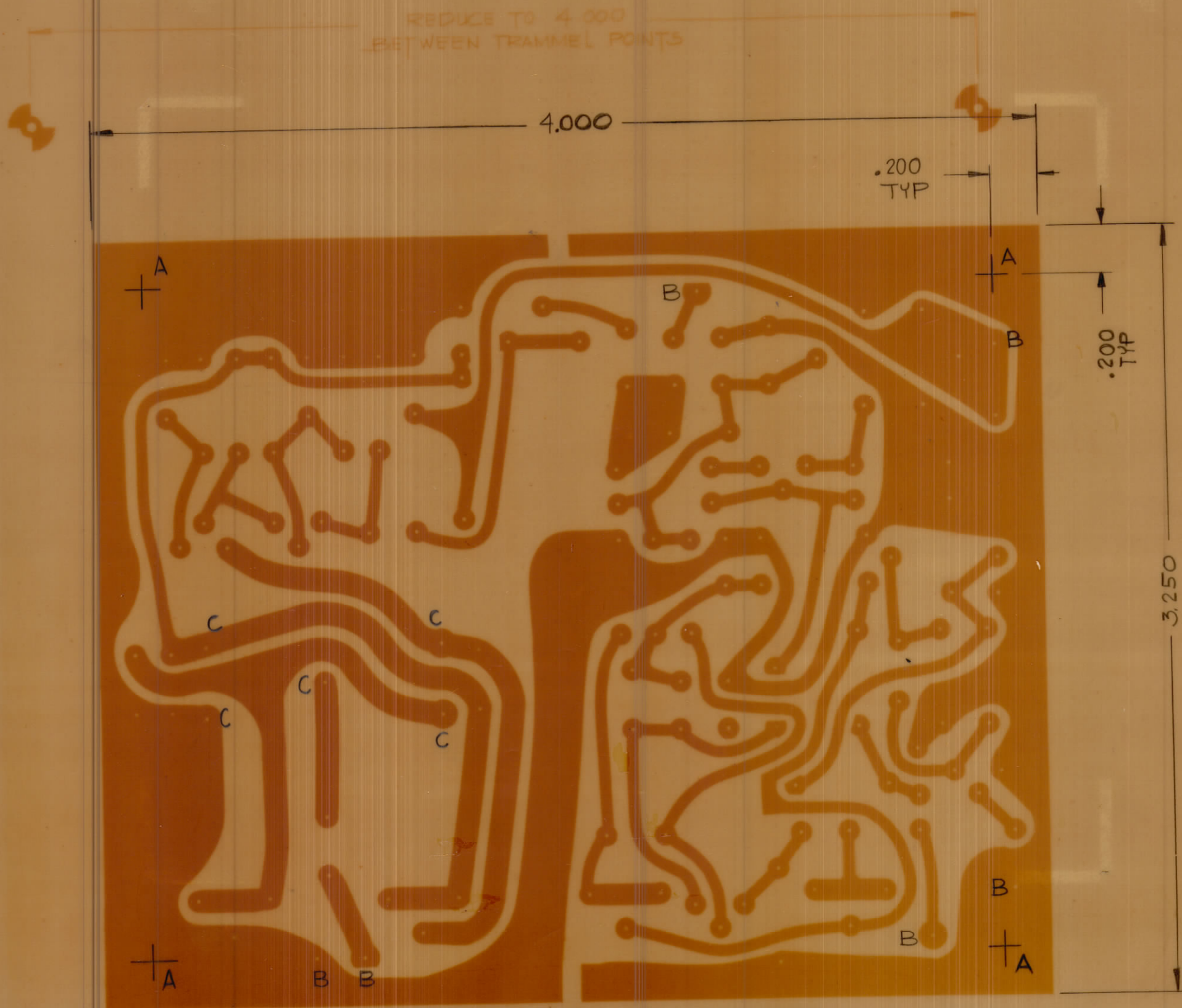


IF IT IS FOUND NECESSARY TO CHANGE ANY DIMENSIONS OR OTHER DETAILS SHOWN ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED	
MAXIMUM TOLERANCE FOR DIMENSIONS HAS BEEN DETERMINED AND DEVIATIONS WILL BE CORRECTED BY THE MANUFACTURER. ALL DIMENSIONS ARE SHOWN UNLESS OTHERWISE SPECIFIED.			
REV	DATE	BY	CHKD BY
A	15 MAR 73	DM	YFL



A11077-2 A

REF	DESCRIPTION	QTY
A	.140 DIA.	4
B	.081 DIA.	6
UNMARKED	.042 DIA.	~
C	.052 DIA.	5

- NOTES
1. MATERIAL - PLASTIC SHEET LAMINATE  
COPPER CLAD FL-GE-062-C-2/0
  2. FINISH CONDUCTIVE PATTERN TO BE PLATED  
WITH A MINIMUM OF .0003 THK TIN/LEAD.
  - 3 THIS BOARD MUST MEET THE REQUIREMENTS  
OF TMC SPEC. -735

TOLERANCES		SCALE: 2:1
ALL DIMENSIONS	±.005	DRILL, PUNCH, COMMERCIAL STOCK
OTHER	±.002	STEEL AND MANUFACTURERS
		TOLERANCES ARE NOT INCLUDED

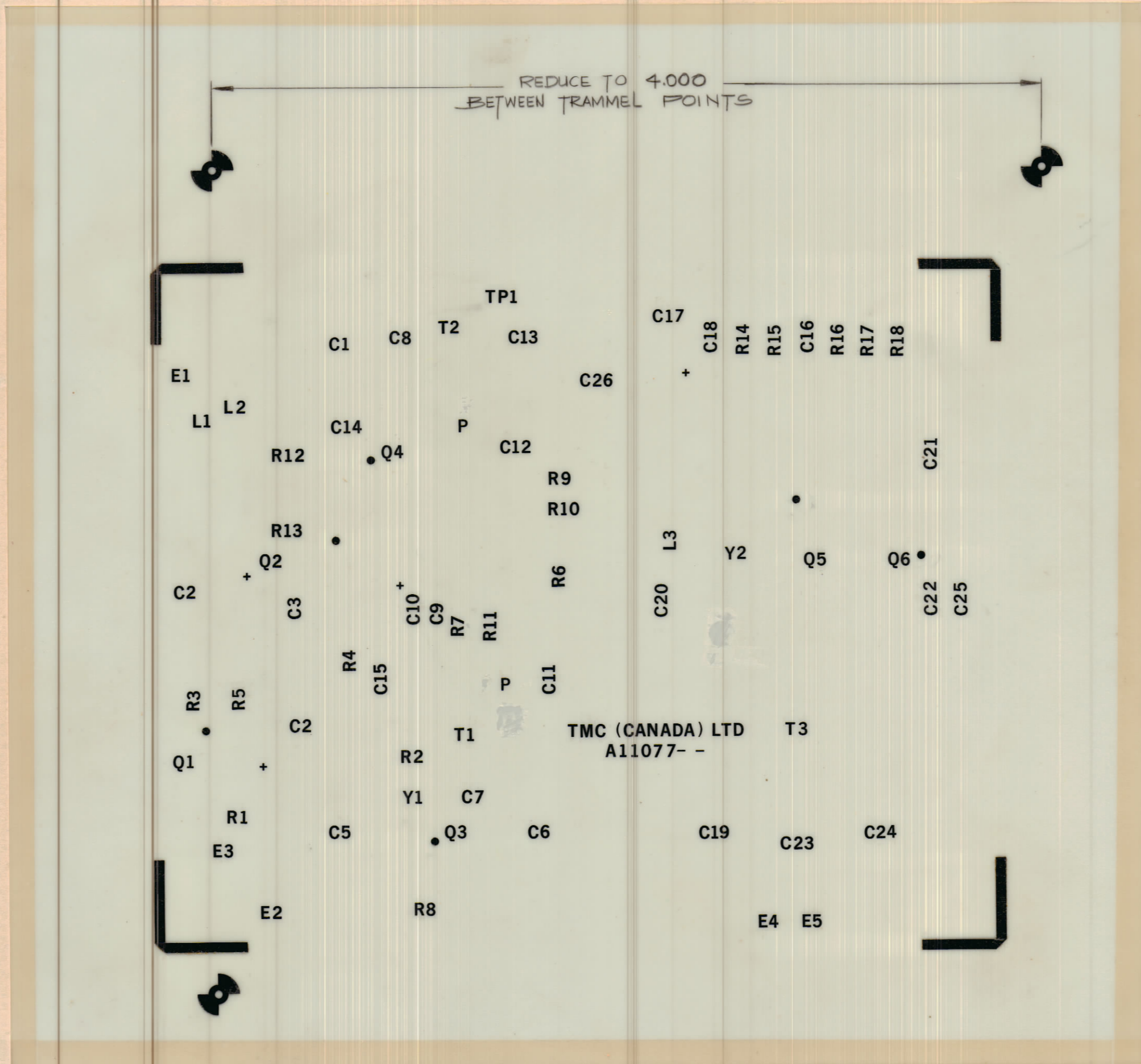
MMX ( ) 3	110/71	A11077-5	14 MAR 73
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<b>TMC (Canada) LIMITED</b> OTTAWA ONTARIO	
P.C. BOARD MACHINING 40 MHz REF GENERATOR	
DESIGNER	YFL
CHECKED BY	YFL
DATE	14 MAR 73
SHEET 2 OF 5 A11077-2 A	



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	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A		COMPLETELY REDRAWN	15 MAR 73	1210	DM	YFL	SOW

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
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A11077-3 A

TOLERANCES		SCALE: 2:1
ALL	DEC. DIM. ± .05	DRILL, PUNCH, COMMERCIAL STOCK
OTHERS	FRAC. DIM. ± 1/64	SIZES AND MANUFACTURERS
	ANGULAR DIM. ± 0°30'	TOLERANCES ARE NOT INCLUDED.

MMX ( ) 3	110/71	A11077-5	15 MAR 73
MODEL	PROJECT NO.	ASSY. NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		P.C. BOARD LETTERING	
WEIGHT PER PC.		40 MHZ REF GENERATOR	
TYPE & TEMPER		DM	SOW
DRAWN		ELEC. DES. APP.	
HEAT TREAT. SPEC.		MECH. DES. APP.	
FINISH & SPEC. NO.		YFL	S. WITTEN
CHECKED		FINAL APPROVAL	
SHEET 3 OF 5		A11077-3 A	



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

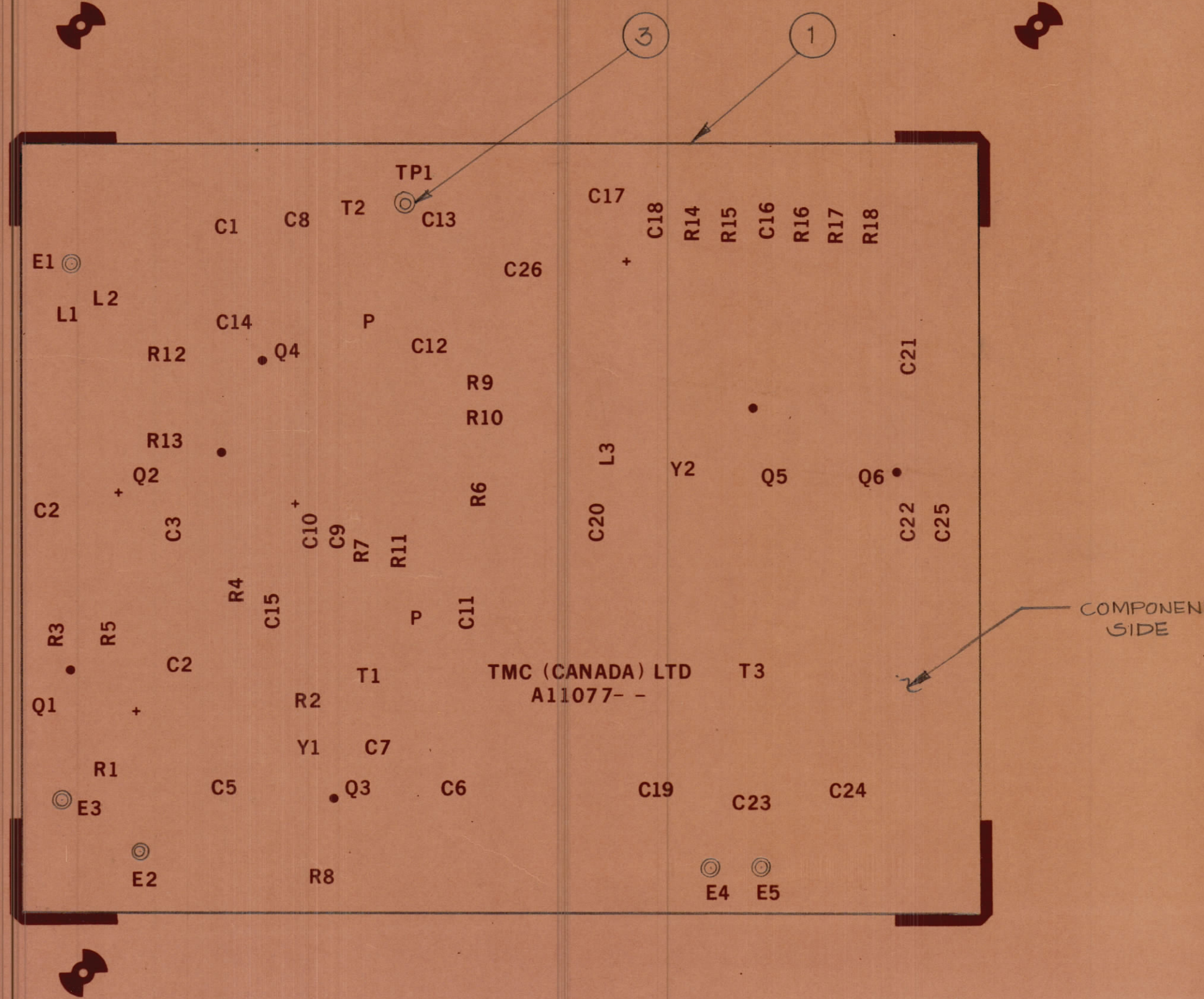
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

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

ISSUE	ITEM	CHANGED FROM	DATE	EN. NO.	DRAFTS	CHECKER	ENG. APP.
A		COMPLETELY REDRAWN	15 MAR 73	1210	DM	YFL	SDW

REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	1	A11077-3	P.C. BOARD LETTERING	
	2			
6	3	TE 127-2	STUD, TERMINAL	TP1, E1-E5

REDUCE TO 4.000 BETWEEN TRAMMEL POINTS



A11077-4 A

TOLERANCES			SCALE
ALL	DEC DIM	XX.08	2:1
OTHERS	FRAC DIM	XX.01	
	ANGULAR DIM	XXX.008	

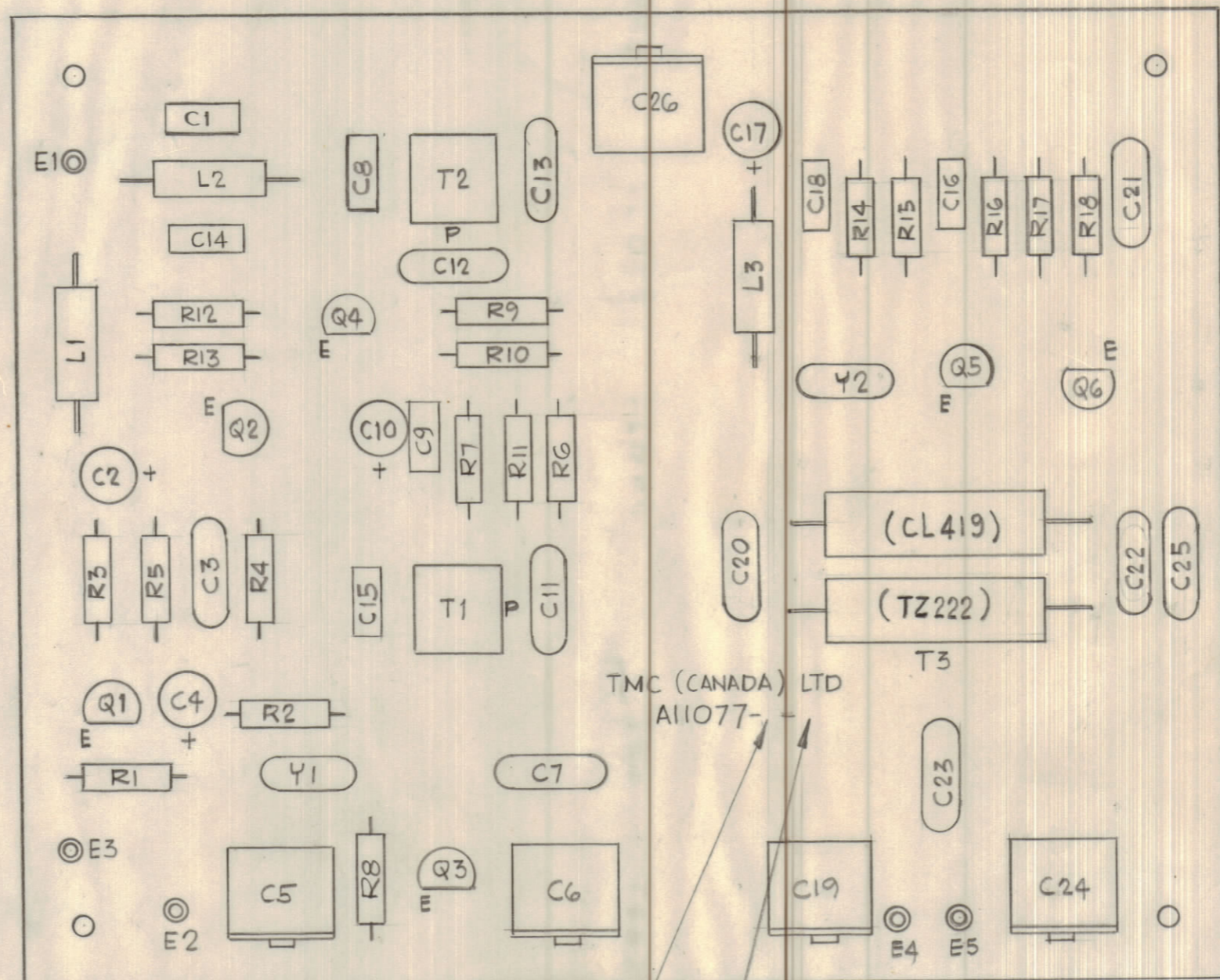
DRILL PUNCH COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED

MMX ( ) 3	110/71	A11077-5	15 MAR 73
MODEL	PROJECT NO.	ASSY NO.	DATE

TMC (Canada) LIMITED OTTAWA ONTARIO			
P.C. BOARD SUB-ASSY			
40 MHZ. REF GENERATOR			
MATERIAL		WEIGHT PER PC	
TYPE & TEMPER		HEAT TREAT SPEC	
FINISH & SPEC. NO.		FINISH & SPEC. NO.	
DRAWN		ELEC. DES. APP.	
YFL		SDW	
CHECKED		FINAL APPROVAL	
SHEET 4 OF 5		A11077-4 A	



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.
Ø		REL. TO PROD.	21 DEC 72		pm		SDW
A		REV PER CEMN	15 MAR 73	1210	pm	YFL	



ADD DASH NO. \_\_\_\_\_  
 ADD LATEST REVISION LETTER \_\_\_\_\_

REQ.	ITEM	PART NO.	DESCRIPTION	USED ON	SYMBOL
		A11077-1	PCB ETCHING	A11077-2	
		A11077-2	PCB MACHINING	A11077-3	
		A11077-3	PCB LETTERING	A11077-4	
1	1	A11077-4	PCB SUB-ASSY		
	2				
7	3	CC10026-3	CAP. FIXED CERAMIC		C1,8,9,14,15,16,18
5	4	CC100-29	CAP. FIXED CERAMIC		C7,13,21,22,23
4	5	CE10014-47-35	CAP. SOLID TANTALUM		C2,4,10,17
1	6	CM111E220JIS	CAP. FIXED MICA DIELECTRIC		C3
1	7	CM111E101JIS	CAP. FIXED MICA DIELECTRIC		C25
1	8	CM111E820JIS	CAP. FIXED MICA DIELECTRIC		C20
2	9	CM111E431JIS	CAP. FIXED MICA DIELECTRIC		C11,12
2	10	CV112-11	CAP. VARIABLE CERAMIC		C5,6
3	11	CV112-6	CAP. VARIABLE CERAMIC		C19,24,26
	12				
3	13	CL-275-121	COIL, R.F.		L1,2,3
	14				
2	15	CR109-139	CRYSTAL UNIT QUARTZ		Y1,Y2
	16				
6	17	MPS918	TRANSISTOR, MOTOROLA		Q1,2,3,4,5,6
	18				
4	19	RC07GF103J	RES. FXD. COMP.		R1,5,15,16
3	20	RC07GF102J			R3,14,17
1	21	RC07GF222J			R2
3	22	RC07GF101J			R4,6,9
1	23	RC07GF474J			R7
1	24	RC07GF561J			R8
1	25	RC07GF153J			R10
1	26	RC07GF100J			R11
1	27	RC07GF391J			R12
1	28	RC07GF332J			R13

A11077-5 A

1	29	RC07GF472J	RES. FXD. COMP.	R18
	30			
1	31	TZ10005-1	TRANSFORMER, RF	T1
1	32	TZ10005-2	TRANSFORMER, RF	T2
1	33	TZ222-CL419	TRANSFORMER, RF	T3
	34			
	35	CK10882	SCHEMATIC DIAGRAM	REF

TOLERANCES	SCALE: 2:1
ALL DEC. DIM. ± .X*.08	DRILL, PUNCH, COMMERCIAL STOCK
OTHERS FRAC. DIM. ± 1/64 .XX*.01	SIZES AND MANUFACTURERS
ANGULAR DIM. ± 0° 30' .XXX*.005	TOLERANCES ARE NOT INCLUDED.

MMX( ) 3	110/71	A11095	21 DEC 72
MODEL	PROJECT NO.	ASSY. NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		P.C.B. ASSEMBLY	
WEIGHT PER PC.		40 MHz REF. GEN.	
TYPE & TEMPER.		p.v. mamari	S. WITTEN
HEAT TREAT. SPEC.		YFL	S. WITTEN
FINISH & SPEC. NO.		FINAL APPROVAL	
		A11077-5 A	