

PRELIMINARY

FINAL

# MATERIAL LIST

TOTAL SHEETS 6

FOR

REVISION

TMC MODEL - A-4933

TITLE - ASSEMBLY CRYSTAL OSC.  
BOARD

REV.	SHEET (S)	DATE	APPR.
Ø	ORIGINAL REL		
A	1, 2, & 4	10/1/76	<i>[Signature]</i>

USED ON  
MODEL - TM125 ( )

CONSISTS OF  
SUPPORTING LISTS

NONE

LAST SYMBOLS

C62  
CR9  
L8  
Q22  
R53  
VC1  
Y11

SYMBOLS NOT USED

C32  
C43

COMPILED AK  
CHECKED CL  
ENG APPR \_\_\_\_\_  
FNL APPR [Signature]  
ISS DATE \_\_\_\_\_

ENGINEERING JOB NUMBER  
# E \_\_\_\_\_

§ FOR SPECIAL NOTES,  
REFER TO S1200.



# MATERIAL LIST

A-4933  
REV. *EA*

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
CM111F101J5S	CAP, FXD, MICA	A-4933	1	1*	C58	
CM111C120J5S	CAP, FXD, MICA	A-4933	1	1*	C61	
CM111E220J5S	CAP, FXD, MICA	A-4933	1		C36	
		A-4933	1		C37	
		A-4933	1		C38	
		A-4933	1		C39	
		A-4933	1		C40	
		A-4933	1		C41	
		A-4933	1		C42	
		A-4933	1	8*	C44	
		CM111F111J5S	CAP, FXD, MICA	A-4933	1	
A-4933	1			2*	C57	
CM111F181J5S	CAP, FXD, MICA	A-4933	1		C59	
		A-4933	1	2*	C60	
CM111F221J5S	CAP, FXD, MICA	A-4933	1		C24	
		A-4933	1		C25	
		A-4933	1		C26	
		A-4933	1		C27	
		A-4933	1		C28	
		A-4933	1		C29	
		A-4933	1		C30	
		A-4933	1		C31	
		A-4933	1		C33	
		A-4933	1		C34	
		A-4933	1	11*	C35	
CR18A/U-	XTAL, QTZ	A-4933	1		Y1	50,115
		A-4933	1		Y2	50,115
		A-4933	1	8	Y3	50,115

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REV. *EA*

PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
		A-4933	1		Y4	50,115
		A-4933	1		Y5	50,115
		A-4933	1		Y6	50,115
		A-4933	1		Y7	50,115
		A-4933	1	8*	Y8	50,115
CR46A/U-456.45KHZ	XTAL, QTZ	A-4933	1	1*	Y9	
CR46A/U-453.65KHZ	XTAL, QTZ	A-4933	1	1*	Y10	
CR18A/U-3.5MHZ	XTAL, QTZ	A-4933	1	1*	Y11	
CV109-9	CAP, VAR, CER	A-4933	1		C45	
		A-4933	1		C46	
		A-4933	1		C47	
		A-4933	1		C48	
		A-4933	1		C49	
		A-4933	1		C50	
		A-4933	1		C51	
		A-4933	1		C52	
		A-4933	1		C53	
		A-4933	1		C54	
		A-4933	1	11*	C55	
CU149-1	CLAMP, XTAL	A-4933	11	11*		
CX106-1	CAP, VAR, VOLT	A-4933	1	1*	VC1	
PC659	BD, PC	A-4933	1	1*		
RC07GF102J	RES, FXD, COMP	A-4933	1		R25	
		A-4933	1		R26	
		A-4933	1		R27	
		A-4933	1		R28	
		A-4933	1	5*	R29	

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REV. *DA*

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
RC07GF103J	RES, FXD, COMP	A-4933	1		R49	
		A-4933	1	2*	R50	
RC07GF105J	RES, FXD, COMP	A-4933	1	1*	R51	
RC07GF152J	RES, FXD, COMP	A-4933	1		R22	
		A-4933	1		R23	
		A-4933	1	3*	R24	
RC07GF182J	RES, FXD, COMP	A-4933	1	1*	R53	
RC07GF183J	RES, FXD, COMP	A-4933	1		R9	
		A-4933	1		R10	
		A-4933	1		R11	
		A-4933	1		R12	
		A-4933	1		R13	
		A-4933	1		R14	
		A-4933	1		R15	
		A-4933	1		R16	
		A-4933	1		R17	
		A-4933	1		R18	
		A-4933	1		R19	
RC07GF222J	RES, FXD, COMP	A-4933	1		R21	
		A-4933	1		R39	
		A-4933	1	3*	R40	
RC07GF332J	RES, FXD, COMP	A-4933	1		R30	
		A-4933	1		R31	
		A-4933	1	3*	R32	
RC07GF470J	RES, FXD, COMP	A-4933	1		R41	
		A-4933	1		R42	
		A-4933	1		R43	
		A-4933	1		R44	
		A-4933	1		R45	
RC20GF222J	RES, FXD, COMP	A-4933	1	8*	R54, 55, 56	57,58,59,60, 61

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
		A-4933	1		R46	
		A-4933	1		R47	
		A-4933	1	8*	R48	
RC07GF471J	RES, FXD, COMP	A-4933	1	1*	R20	
RC07GF562J	RES, FXD, COMP	A-4933	1	1*	R52	
RC07GF563J	RES, FXD, COMP	A-4933	1		R1	
		A-4933	1		R2	
		A-4933	1		R3	
		A-4933	1		R4	
		A-4933	1		R5	
		A-4933	1		R6	
		A-4933	1		R7	
		A-4933	1	8*	R8	
RC07GF682J	RES, FXD, COMP	A-4933	1		R36	
		A-4933	1		R37	
		A-4933	1	3*	R38	
RC07GF683J	RES, FXD, COMP	A-4933	1		R33	
		A-4933	1		R34	
		A-4933	1	3*	R35	
TS104-1	SOCKET, XTAL	A-4933	11	11*		
1N100	DIODE, SEMICOND	A-4933	1		CR7	
		A-4933	1	2*	CR8	
1N756	DIODE, ZENER	A-4933	1		CR1	
		A-4933	1	2*	CR6	
1N914	DIODE, SEMI COND	A-4933	1		CR2	
		A-4933	1		CR3	

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
1N961B	DIODE, ZENER	A-4933	1		CR4	
		A-4933	1	4*	CR9	
2N3646	TRANSISTOR	A-4933	1	1*	CR5	
		A-4933	1		Q1	
		A-4933	1		Q2	
		A-4933	1		Q3	
		A-4933	1		Q4	
		A-4933	1		Q5	
		A-4933	1		Q6	
		A-4933	1		Q7	
		A-4933	1		Q8	
		A-4933	1		Q9	
		A-4933	1		Q10	
		A-4933	1		Q11	
		A-4933	1		Q12	
		A-4933	1		Q13	
		A-4933	1		Q14	
		A-4933	1		Q15	
		A-4933	1		Q16	
		A-4933	1		Q17	
		A-4933	1		Q18	
		A-4933	1		Q19	
		A-4933	1		Q20	
		A-4933	1		Q21	
		A-4933	1	22*	Q22	
6/21/73 REV. Ø	ORIGINAL RELEASE					





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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
CM111C101J5S ✓ <sup>F</sup>	CAP, FXD, MICA	A-4933	1	1*	C58	
CM111C120J5S ✓	CAP, FXD, MICA	A-4933	1	1*	C61	
CM111C220M5S ✓ <sup>E J</sup>	CAP, FXD, MICA	A-4933	1		C36	
		A-4933	1		C37	
		A-4933	1		C38	
		A-4933	1		C39	
		A-4933	1		C40	
		A-4933	1		C41	
		A-4933	1		C42	
		A-4933	1	8*	C44	
CM111E111J5S ✓ <sup>F</sup>	CAP, FXD, MICA	A-4933	1		C56	
		A-4933	1	2*	C57	
CM111E181J5S ✓ <sup>F</sup>	CAP, FXD, MICA	A-4933	1		C59	
		A-4933	1	2*	C60	
CM111E221J5S ✓ <sup>F</sup>	CAP, FXD, MICA	A-4933	1		C24	
		A-4933	1		C25	
		A-4933	1		C26	
		A-4933	1		C27	
		A-4933	1		C28	
		A-4933	1		C29	
		A-4933	1		C30	
		A-4933	1		C31	
		A-4933	1		C33	
		A-4933	1		C34	
		A-4933	1	11*	C35	
CR18A/U-	XTAL, QTZ	A-4933	1		Y1	50,115
		A-4933	1		Y2	50,115
		A-4933	1	8	Y3	50,115

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
RC07GF103J ✓	RES, FXD, COMP	A-4933	1		R49	
		A-4933	1	2*	R50	
RC07GF105J ✓	RES, FXD, COMP	A-4933	1	1*	R51	
RC07GF152J ✓	RES, FXD, COMP	A-4933	1		R22	
		A-4933	1		R23	
		A-4933	1	3*	R24	
RC07GF182J ✓	RES, FXD, COMP	A-4933	1	1*	R53	
RC07GF183J ✓	RES, FXD, COMP	A-4933	1		R9	
		A-4933	1		R10	
		A-4933	1		R11	
		A-4933	1		R12	
		A-4933	1		R13	
		A-4933	1		R14	
		A-4933	1		R15	
		A-4933	1		R16	
		A-4933	1		R17	
		A-4933	1		R18	
		A-4933	1	11*	R19	
RC07GF222J ✓	RES, FXD, COMP	A-4933	1		R21, <del>          </del>	
		A-4933	1		R39, <del>          </del>	
		A-4933	1		R40, <del>          </del>	
RC07GF332J ✓	RES, FXD, COMP	A-4933	1		R30	
		A-4933	1		R31	
		A-4933	1	3*	R32	
RC07GF470J ✓	RES, FXD, COMP	A-4933	1		R41	
		A-4933	1		R42	
		A-4933	1		R43	
		A-4933	1		R44	
		A-4933	1		R45	
RC20GF222J				8	R54, 55, 56, 57, 58, 59	
					R60, 61	