

MATERIAL LIST

TOTAL SHEETS 13

FOR

REVISION D 10/20/72 EJ
E 6/7/73 CL
F 3/8/78 K.M

TMC MODEL - A-4478

TITLE- STEP GEN A

USED ON
MODEL -

MMX-()

CHG ()-4 (BMA255)

CONSISTS OF
SUPPORTING LISTS

NONE

LAST SYMBOLS

C133
R112
CR12
L20
Q15
T31

MISSING SYMBOLS

C70,71,72
R54 THRU R60

COMPILED A. KLEIN
CHECKED WJB
ENG APPR MAB
FNL APPR SPM
ISS DATE _____

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REV. E

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
CC100-28 ①	CAP., FXD, CER	A-4478	1		C35	
		A-4478	1		C36	
		A-4478	1		C37	
		A-4478	1		C38	
		A-4478	1		C39	
		A-4478	1	6*	C69	
CC100-29 ②	CAP., FXD, CER	A-4478	1		C1	
		A-4478	1		C2	
		A-4478	1		C3	
		A-4478	1		C4	
		A-4478	1		C5	
		A-4478	1		C7	
		A-4478	1		C8	
		A-4478	1		C9	
		A-4478	1		C14	
		A-4478	1		C15	
		A-4478	1		C16	
		A-4478	1		C17	
		A-4478	1		C21	
		A-4478	1		C22	
		A-4478	1		C23	
		A-4478	1		C24	
		A-4478	1		C28	
		A-4478	1		C29	
		A-4478	1		C30	
		A-4478	1		C32	
		A-4478	1		C33	
		A-4478	1		C48	
		A-4478	1		C49	
		A-4478	1		C50	
		A-4478	1		C51	
		A-4478	1		C55	
		A-4478	1		C56	
		A-4478	1		C57	
		A-4478	1		C58	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
		A-4478	1		C62	
		A-4478	1		C63	
		A-4478	1		C64	
		A-4478	1		C65	
		A-4478	1		C68	
		A-4478	1		C73	
		A-4478	1		C74	
		A-4478	1		C75	
		A-4478	1		C76	
		A-4478	1		C77	
		A-4478	1		C79	
		A-4478	1		C80	
		A-4478	1		C81	
		A-4478	1		C86	
		A-4478	1		C87	
		A-4478	1		C88	
		A-4478	1		C89	
		A-4478	1		C93	
		A-4478	1		C94	
		A-4478	1		C95	
		A-4478	1		C96	
		A-4478	1		C100	
		A-4478	1		C101	
		A-4478	1		C102	
		A-4478	1		C103	
		A-4478	1		C105	
		A-4478	1		C111	
		A-4478	1		C112	
		A-4478	1		C113	
		A-4478	1		C114	
		A-4478	1		C118	
		A-4478	1		C119	
		A-4478	1		C120	
		A-4478	1		C121	
		A-4478	1		C125	
		A-4478	1		C126	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
		A-4478	1		C127	
		A-4478	1		C129	
		A-4478	1		C131	
		A-4478	1	69*	C133	
CC100-30 ³	CAP., FXD, CER	A-4478	1	1*	C132	
CC100-40 ⁴	CAP., FXD, CER	A-4478	1		C13	
		A-4478	1		C34	
		A-4478	1		C47	
		A-4478	1		C67	
		A-4478	1		C85	
		A-4478	1		C106	
		A-4478	1		C110	
		A-4478	1	8*	C130	
CI127-7	CORE, TOROID	TZ221	1	1*		
✓CI136-6	CORE, ADJ, TUN.	TT287-13	6			
		TT287-14	4			
		TT287-15	2			
		TT287-19	2			
		TT287-20	4			
		TT287-3	6			
		TT287-4	4			
		TT287-5	2	30*		
✓CK1322	DIAG, SCHEM	A-4478	1	1*		
✓CL275-120 ✓	COIL, RF, FXD	A-4478	1		L8	
		A-4478	1	2*	L9	
CL275-121 ⁶	COIL, RF, FXD	A-4478	1		L1	
		A-4478	1		L2	
		A-4478	1		L3	
		A-4478	1		L4	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
		A-4478	1		L5	
		A-4478	1		L10	
		A-4478	1		L11	
		A-4478	1		L12	
		A-4478	1		L13	
		A-4478	1		L14	
		A-4478	1		L15	
		A-4478	1		L16	
		A-4478	1		L17	
		A-4478	1		L18	
		A-4478	1		L19	
		A-4478	1		L20	
		A-4478	1	16*	L21	
		A-4478	1		L22	
		A-4478	1	19*	L23	
		A-4478	1	2*	L24	
		A-4478	1	2*	L6	
		A-4478	1		L7	
		A-4478	1		C11	
		A-4478	1		C19	
		A-4478	1		C26	
		A-4478	1		C45	
		A-4478	1		C53	
		A-4478	1		C60	
		A-4478	1		C83	
		A-4478	1		C91	
		A-4478	1		C98	
		A-4478	1		C108	
		A-4478	1		C116	
		A-4478	1	12*	C123	
		A-4478	1		C31	
		A-4478	1	2*	C66	
		A-4478	1		C104	
		A-4478	1	2*	C128	
		A-4478	1		C6	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200		
		A-4478	1		C82			
		A-4478	1		C84			
		A-4478	1		C90			
		A-4478	1		C92			
		A-4478	1		C97			
		A-4478	1		C99			
		A-4478	1		C107			
		A-4478	1		C109			
		A-4478	1		C115			
		A-4478	1		C117			
		A-4478	1		C122			
		A-4478	1	13*	C124			
		CM111F151F5S ¹²	CAP., FXD, MICA	A-4478	1		C10	
				A-4478	1		C12	
A-4478	1				C18			
A-4478	1				C20			
A-4478	1				C25			
A-4478	1				C27			
A-4478	1				C44			
A-4478	1				C46			
A-4478	1				C52			
A-4478	1				C54			
A-4478	1				C59			
A-4478	1				C61			
A-4478	1			13*	C78			
CM111F621D5S ¹³	CAP., FXD, MICA			A-4478	1		C40	
		A-4478	1		C41			
		A-4478	1		C42			
		A-4478	1	4*	C43			
✓ DD139 ¹⁴	SCOND DEV, DIO	A-4478	1		CR1			
		A-4478			CR2			
		A-4478			CR4			
		A-4478	1	2*	CR3			

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
GL102	ADHESIVE-Q-MAX	TT287-13 TT287-14 TT287-15 TT287-19 TT287-20 TT287-3 TT287-4 TT287-5			*	
GL103	ADHESIVE-N-CEL	TT287-20 TT287-13 TT287-14 TT287-15 TT287-19 TT287-3 TT287-4 TT287-5			*	
GL104-2	INSG VARN,EL	TZ221			*	
GL129	ADHESIVE	TT287-13 TT287-14 TT287-15 TT287-19 TT287-20 TT287-3 TT287-4 TT287-5			*	
MS6004 ✓	STIFF.	A-4478	1	1*		
NT137-0632 16	NUT,PLN,HEX,N	TZ221	1	1*		
✓ PC301 17	PC BOARD	A-4478	1	1*		
✓ RC07GF100J 18	RES,FXD,COMP	A-4478	1	1*	R53	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
✓ RC07GF101J <i>19</i>	RES, FXD, COMP	A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478	1 1 1 1 1 1 1 1 1 1 1 1 1	12*	R8 R9 R68 R50 R25 R109 R103 R85 R110 R111 R112 R69	
✓ RC07GF102J <i>20</i>	RES, FXD, COMP	A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478	1 1 1 1 1 1 1 1 1 1 1 1	11*	R3 R11 R17 R31 R36 R42 R63 R71 R77 R89 R95	
✓ RC07GF121J <i>21</i>	RES, FXD, COMP	A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478 A-4478	1 1 1 1 1 1 1 1 1 1	9*	R21 R33 R34 R46 R81 R99 R106 R107 R108	
✓ RC07GF123J <i>22</i>	RES, FXD, COMP	A-4478	1		R47	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
✓ RC07GF150J ²³	RES, FXD, COMP	A-4478	1		R82	
		A-4478	1		R22	
		A-4478	1	4*	R100	
		A-4478	1		R14	
		A-4478	1		R39	
		A-4478	1		R74	
		A-4478	1	4*	R92	
✓ RC07GF181J ²⁴	RES, FXD, COMP	A-4478	1		R15	
		A-4478	1		R27	
		A-4478	1		R40	
		A-4478	1		R52	
		A-4478	1		R75	
		A-4478	1		R87	
		A-4478	1		R93	
		A-4478	1	8*	R105	
		✓ RC07GF182J ²⁵	RES, FXD, COMP	A-4478	1	
A-4478	1				R19	
A-4478	1				R23	
A-4478	1				R38	
A-4478	1				R44	
A-4478	1				R48	
A-4478	1				R73	
A-4478	1				R79	
A-4478	1				R83	
A-4478	1				R91	
A-4478	1				R97	
A-4478	1			12*	R101	
✓ RC07GF220J ²⁶	RES, FXD, COMP			A-4478	1	
		A-4478	1		R45	
		A-4478	1		R80	
		A-4478	1	4*	R98	
✓ RC07GF270J ²⁷	RES, FXD, COMP	A-4478	1		R26	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200		
✓RC07GF330J	RES, FXD, COMP	A-4478	1		R51			
		A-4478	1		R86			
		A-4478	1	4*	R104			
✓RC07GF331J ²⁸	RES, FXD, COMP	A-4478	2	2*				
		A-4478	1		R4			
		A-4478	1		R12			
		A-4478	1		R18			
		A-4478	1		R29			
		A-4478	1		R37			
		A-4478	1		R43			
		A-4478	1		R64			
		A-4478	1		R72			
		A-4478	1		R78			
		A-4478	1		R90			
		A-4478	1	11*	R96			
		✓RC07GF470J ²⁹	RES, FXD, COMP	A-4478	1		R5	
				A-4478	1	2*	R65	
✓RC07GF680J ³⁰	RES, FXD, COMP	A-4478	1		R66			
		A-4478	1		R6			
		A-4478	1	3*	R32			
✓RC07GF821J ³¹	RES, FXD, COMP	A-4478	1		R24			
		A-4478	1		R49			
		A-4478	1		R84			
		A-4478	1	4*	R102			
✓RC07GF822J ³²	RES, FXD, COMP	A-4478	1		R2			
		A-4478	1		R10			
		A-4478	1		R16			
		A-4478	1		R30			
		A-4478	1		R35			
		A-4478	1		R41			

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
		A-4478	1		R62	
		A-4478	1		R70	
		A-4478	1		R76	
		A-4478	1		R88	
		A-4478	1	11*	R94	
✓ RG188/U	CBL, RF	TZ221	16	16*		
✓ RV124-1-101 ³³	RES, VAR, COMP	A-4478	1		R61	
		A-4478	1		R1	
		A-4478	1	3*	R28	
✓ RV124-1-501 ³⁴	RES, VAR, COMP	A-4478	1		R7	
		A-4478	1	2*	R67	
✓ SC143-0632B10	SCR, MACH-NYLON	TZ221	1	1*		
✓ TT287-13 ³⁵	XFMR, RF, ADJ	A-4478	1		T23	
		A-4478	1		T26	
		A-4478	1		T28	
		A-4478	1		T30	
		A-4478	1		T21	
		A-4478	1	6*	T19	
✓ TT287-14 ³⁶	XFMR, RF, ADJ	A-4478	1		T20	
		A-4478	1		T22	
		A-4478	1		T27	
		A-4478	1	4*	T29	
✓ TT287-15 ³⁷	XFMR, RF, ADJ	A-4478	1		T18	
		A-4478	1	2*	T25	
✓ TT287-19 ³⁸	XFMR, RF, ADJ	A-4478	1		T1	
		A-4478	1	2*	T17	
✓ TT287-20 ³⁹	XFMR, RF, ADJ	A-4478	1		T8	

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
✓ TT287-3 40	CAP., FXD, MICA	A-4478	1		T16	
		A-4478	1		T24	
		A-4478	1	4*	T31	
		A-4478	1		T13	
		A-4478	1		T15	
		A-4478	1		T3	
		A-4478	1		T5	
		A-4478	1		T7	
		A-4478	1	6*	T11	
✓ TT287-4 41	XFMR, RF, ADJ	A-4478	1		T4	
		A-4478	1		T6	
		A-4478	1		T12	
		A-4478	1	4*	T14	
✓ TT287-5 42	XFMR, RF, ADJ	A-4478	1		T2	
		A-4478	1	2*	T10	
✓ TZ221 43	XFMR, RF	A-4478	1	1*	T9	
✓ WA125-2	WASH., NM	TZ221	1	1*		
✓ WI104-1243SCQ5	WIRE, ELEC, LITZ	TT287-13				
		TT287-14				
		TT287-15				
		TT287-19				
		TT287-20				
		TT287-3				
		TT287-4				*
		TT287-5				*
✓ WI123-28	WIRE, EL, MAG, HT	TZ221				
✓ WI141-32-9SCQ5	WIRE, EL, MAG, T	TT287-13				
		TT287-14				

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PART NUMBER	DESCRIPTION	USED ON	QUANTITY	QUANTITY PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S 1200
✓ 1N914 44	SCOND DEV, DIO	TT287-15				
		TT287-19				
		TT287-20				
		TT287-3				
		TT287-4				
		TT287-5			*	
		A-4478		1		CR5
		A-4478		1		CR9
		A-4478		1		CR6
		A-4478		1		CR10
		A-4478		1		CR8
		A-4478		1		CR7
		A-4478		1		CR11
		A-4478		1	8*	CR12
		✓ 2N3646 45	TRANSISTOR	A-4478		1
A-4478				1		Q2
A-4478				1		Q3
A-4478				1		Q4
A-4478				1		Q5
A-4478				1		Q6
A-4478				1		Q7
A-4478				1		Q8
A-4478				1		Q9
A-4478				1		Q10
A-4478				1		Q11
A-4478				1		Q12
A-4478				1		Q13
A-4478				1		Q14
A-4478				1	15*	Q15
2/5/68 REV A	EMN 18782				*	
3/14/68 REV B	EMN 18830				*	
5/3/68 REV C	EMN 18907				*	

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10/13/72 REV D	EMN 20915					
6/7/73 REV E	EMN 21084					
3/8/78 REVISION F	EMN 21606					