

PARTS LIST:
PL001060X001
REVISION -

TEKTRON MICRO ELECTRONICS, INC. (410-850-4200 - HANOVER, MD)
FSCM 6W848

DRAWING:
001060X001

TITLE: ASSEMBLY, PC BOARD, SCORPION TRANSMITTER DIGITAL

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ITEM NO.	QTY REQ'D	UM	M B	TEKTRON PART NUMBER	REFERENCE DESIGNATIONS	FULL DESCRIPTION	NOTES
001	1	EA	B	PCFAB001060X001		FABRICATION, PC BOARD, SCORPION TRANSMITTER DIGITAL	
002	4	EA	B	C00684C8050M16TT	C1,C2,C3,C4	CAPACITOR, .68uF, +/-20%, 80x50, TANTALUM, 16V, .040 MX THK	
003	3	EA	B	C00241X4020J16NT	C5,C6,C22	CAPACITOR, 240pF, +/-5%, 40x20, SOLDER TINNED, NPO, 16V	
004	7	EA	B	C00224X6030K10XT	C8,C9,C10,C11,C14,	CAPACITOR, 0.22uF, +/-10%, 60x30, SOLDER TINNED, X5R, 10V	
004	0	EA	B	C00224X6030K10XT	C15,C16	CAPACITOR, 0.22uF, +/-10%, 60x30, SOLDER TINNED, X5R, 10V	
005	4	EA	B	C00104X4020Z16YT	C13,C30,C31,C37	CAPACITOR, 0.1uF, +80/-20%, 40x20, SOLDER TINNED, Y5V, 16V	
006	2	EA	B	C00100X4020D50NT	C18,C19	CAPACITOR, 10pF, +/- .5pF, 40x20, SOLDER TINNED, NPO, 50V	
007	1	EA	B	C00270X4020J50NT	C20	CAPACITOR, 27pF, +/-5%, 40x20, SOLDER TINNED, NPO, 50V	
008	1	EA	B	C00240X4020J50NT	C21	CAPACITOR, 24pF, +/-5%, 40x20, SOLDER TINNED, NPO, 50V	
009	1	EA	B	C00680X4020J50NT	C23	CAPACITOR, 68pF, +/-5%, 40x20, SOLDER TINNED, NPO, 50V	
010	5	EA	B	C00225C8050M04TT	C24,C25,C27,C28,	CAPACITOR, 2.2uF, +/-20%, 80x50, TANTALUM, 4V, .040 MX THK	
010	0	EA	B	C00225C8050M04TT	C29	CAPACITOR, 2.2uF, +/-20%, 80x50, TANTALUM, 4V, .040 MX THK	
011	1	EA	B	C00104X6030Z16YT	C32	CAPACITOR, .1uF, +80/-20%, 60x30, SOLDER TINNED, Y5V, 16V	
012	1	EA	B	C00226XA4A1M16TT	C33	CAPACITOR, 22uF, +/-20%, 140x110, SOLDER TIN, TANTALUM, 16V	
013	1	EA	B	C00476JA4A1M06TT	C34	CAPACITOR, 47uF, +/-20%, 140x110, TANTALUM, 6.3V, ESR=0.070	
014	1	EA	B	C00151X4020J50NT	C35	CAPACITOR, 150pF, +/-5%, 40x20, SOLDER TINNED, NPO, 50V	
015	1	EA	B	C00105X6030Z10YT	C36	CAPACITOR, 1uF, +80/-20%, 60x30, SOLDER TINNED, Y5V, 10V	
016	2	EA	B	A0101252XXS123	D1,D2	DIODE, MBR0520LT1, SCHOTTKY PWR RECT, 20V, PLASTIC SOD-123	
017	1	EA	B	A0100454CT	L1	INDUCTOR, 27uH, +/-20%, SMT, 60x30, LK1608270M (TAIYO YUDEN)	
018	1	EA	B	A0100454CU	L2	INDUCTOR, 33uH, +/-20%, SMT, 60x30, LK1608330M (TAIYO YUDEN)	
019	1	EA	B	A0100454ED	L3	INDUCTOR, 47uH, +/-20%, SMT, SHIELDED, DT1608C-473 (COILCRA)	1
020	3	EA	B	R00202X4020J62DT	R1,R4,R16	RESISTOR, 2K, +/-5%, 40x20, SOLDER TINNED, 62mW	
021	2	EA	B	R00243X4020J62DT	R2,R3	RESISTOR, 24K, +/-5%, 40x20, SOLDER TINNED, 62mW	
022	8	EA	B	R00104X4020F62DT	R5,R6,R7,R8,R11,	RESISTOR, 100K, +/-1%, 40x20, SOLDER TINNED, 62mW	
022	0	EA	B	R00104X4020F62DT	R18,R22,R23	RESISTOR, 100K, +/-1%, 40x20, SOLDER TINNED, 62mW	
023	2	EA	B	R05111X4020F62DT	R9,R10	RESISTOR, 5.11K, +/-1%, 40x20, SOLDER TINNED, 62mW	
024	7	EA	B	R00102X4020J62DT	R12,R20,R21,R24,	RESISTOR, 1K, +/-5%, 40x20, SOLDER TINNED, 62mW	
024	0	EA	B	R00102X4020J62DT	R25,R26,R27	RESISTOR, 1K, +/-5%, 40x20, SOLDER TINNED, 62mW	
025	1	EA	B	A0100943BC	R15	POTENTIOMETER, 1K, +/-25%, SMT, EVM-2WSX80B13 (PANASONIC)	

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026	1	EA	B	R00561X4020J62DT	R17	RESISTOR, 560 ohm, +/-5%, 40x20, SOLDER TINNED, 62mW	
027	1	EA	B	R08662X4020F62DT	R19	RESISTOR, 86.6K, +/-1%, 40X20, SOLDER TINNED, 62mW	

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028	1	EA	B	R00132X4020J62DT	R28	RESISTOR, 1.3K, +/-5%, 40x20, SOLDER TINNED, 62mW	
029	1	EA	B	A0101212XX8UMX	U1	I.C., MAX4252EUA, OP AMP, 8 uMAX PKG (MAXIM)	
030	1	EA	B	A0101196XES235	U2	I.C., MIC5205-2.5BM5, LINEAR VOLT REG, 2.5V, SOT23-5 (MICRE)	
031	1	EA	B	A0101251XXTSOP	U3	I.C., AK4550VT, LOW VOLT, A/D & D/A CONV, 16 PIN TSSOP (AKM)	
032	1	EA	B	A0500062	U4	ALTERED ITEM, FEC CHIP, PROGRAMMED TO A2100110 (CUSTOM)	
033	1	EA	B	A0101249XXSO23	U5	I.C., MAX6326-UR23T, RESET CIRCUIT, 3 PIN SOT-23 (MAXIM)	
034	1	EA	B	A0101253XXQSOP	U6	I.C., MAX1684EEE, PWM STEP-DOWN CONVERTER, 16 PIN QSOP (MAX)	
035	1	EA	B	A0100145BJ	Y1	CRYSTAL, 16.384 MHz, +/-10ppm, FMXMCS118DDA-16.384M (FREQ.)	
036	0	GM	X	A0100775XB		INK, MARKING, WHITE (MARKEM 7254)	
037	0	LB	X	A0100120A6WIRE		SOLDER, WIRE SN63	
038	0	EA	X	ATP001060X001		ACCEPTANCE TEST PROCEDURE, SCORPION TRANSMITTER DIGITAL	
039	0	EA	X	PCSCH001060X001		SCHEMATIC, PC BOARD, SCORPION TRANSMITTER DIGITAL	

NOTES:

- ITEM NO. 019 - (A0100454ED) L3 - REMAINS AT TEKTRON FOR MANUFACTURING

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