

(90A8963C) P7T-H3 Rackmount Transmitter

Part Type	Qty	Designators	Description	Mfr #Mfr	Substitutions
140A005	1	Y1	CRYSTAL,QUARTZ,SMD,4MHz	Yuwa Corp (Japan) #SB-941007	See Shure AVL for alternate vendors
140A11	1	Y4	CRYSTAL,QUARTZ,SMD,38kHz	Epson America #MC-306-38.0000KA-K2	SUBSTITUTIONS MUST BE APPROVED
140A26	1	Y800	CRYSTAL,QUARTZ,SMD,16MHz	Toyocom #TN4-25843	SUBSTITUTIONS MUST BE APPROVED
145AF4990	1	R205	RESISTOR,SMD1206,499,1/4W,1%	Dale #CRCW12064990F	See Shure AVL for alternate vendors
145BF1000	7	R70 R71 R75 R76 R101 R140 R201	RESISTOR,SMD 805,100,1/8W,1%	NIC #NRC10F1000	See Shure AVL for alternate vendors
145BF22R1	1	R209	RESISTOR,SMD 805,22.1,1/8W,1%	NIC #NRC10F22R1	See Shure AVL for alternate vendors
145BF49R9	5	R61 R74 R93 R98 R99	RESISTOR,SMD 805,49.9,1/8W,1%	NIC #NRC10F49R9	See Shure AVL for alternate vendors
145BJ000	6	R9 R100 R104 R213 R841 R842	RESISTOR,SMD 805,0,1/8W,5%	NIC #NRC10Z0	See Shure AVL for alternate vendors
145BJ1R0	6	R43 R182 R185 R186 R214 R215	RESISTOR,SMD 805,1,1/8W,5%	NIC #NRC10J1R0	See Shure AVL for alternate vendors
145FF000	5	R33 R37 R39 R470 R570	RESISTOR,SMD 603,000,1/10W,1%	Dale #CRCW0603000Z	See Shure AVL for alternate vendors
145FF1000	1	R28	RESISTOR,SMD 603,100,1/10W,1%	Dale #CRCW06031000F	See Shure AVL for alternate vendors
145FF1001	28	R24 R25 R29 R56 R57 R58 R62 R65 R72 R73 R79 R86 R106 R107 R117 R122 R165 R176 R178 R400 R401 R410 R468 R500 R505 R510 R568 R806	RESISTOR,SMD 603,1K,1/10W,1%	Dale #CRCW06031001F	See Shure AVL for alternate vendors
145FF1002	44	R3 R4 R5 R7 R19 R21 R30 R31 R36 R42 R44 R45 R59 R64 R66 R119 R121 R134 R197 R220 R459 R462 R464 R466 R471 R475 R480 R481 R490 R491 R492 R493 R494 R503 R509 R557 R560 R562 R564 R571 R574 R580 R581 R845	RESISTOR,SMD 603,10K,1/10W,1%	Dale #CRCW06031002F	See Shure AVL for alternate vendors
145FF1003	17	R90 R91 R95 R163 R170 R172 R175 R194 R421 R465 R521 R563 R851 R853 R855 R856 R880	RESISTOR,SMD 603,100K,1/10W,1%	Dale #CRCW06031003F	See Shure AVL for alternate vendors
145FF1004	6	R88 R92 R94 R103 R423 R523	RESISTOR,SMD 603,1M,1/10W,1%	Dale #CRCW06031004F	See Shure AVL for alternate vendors
145FF10R0	3	R196 R828 R890	RESISTOR,SMD 603,10,1/10W,1%	Dale #CRCW060310R0F	See Shure AVL for alternate vendors
145FF1212	2	R54 R108	RESISTOR,SMD 603,12.1K,1/10W,1%	Dale #CRCW06031212F	See Shure AVL for alternate vendors
145FF1332	3	R123 R477 R577	RESISTOR,SMD 603,13.3K,1/10W,1%	NIC #NRC06F1332	See Shure AVL for alternate vendors
145FF1500	2	R831 R832	RESISTOR,SMD 603,150,1/10W,1%	NIC #NRC06F1500	See Shure AVL for alternate vendors
145FF1501	4	R67 R82 R120 R144	RESISTOR,SMD 603,1.5K,1/10W,1%	Dale #CRCW06031501F	See Shure AVL for alternate vendors
145FF1502	4	R80 R83 R450 R550	RESISTOR,SMD 603,15K,1/10W,1%	NIC #NRC06F1502	See Shure AVL for alternate vendors
145FF16R5	5	R820 R821 R824 R826 R827	RESISTOR,SMD 603,16.5,1/10W,1%	NIC #NRC06F16R5	See Shure AVL for alternate vendors
145FF2001	5	R49 R51 R153 R156 R200	RESISTOR,SMD 603,2K,1/10W,1%	Dale #CRCW06032001F	See Shure AVL for alternate vendors
145FF2002	5	R55 R114 R118 R456 R554	RESISTOR,SMD 603,20K,1/10W,1%	Dale #CRCW06032002F	See Shure AVL for alternate vendors
145FF2210	1	R221	RESISTOR,SMD 603,221,1/10W,1%	NIC #NRC06F2210	See Shure AVL for alternate vendors
145FF22R1	2	R807 R808	RESISTOR,SMD 603,22.1,1/10W,1%	NIC #NRC06F22R1	See Shure AVL for alternate vendors
145FF2490	2	R187 R190	RESISTOR,SMD 603,249,1/10W,1%	NIC #NRC06F2490	See Shure AVL for alternate vendors
145FF2491	8	R47 R48 R113 R115 R402 R403 R501 R506	RESISTOR,SMD 603,2.49K,1/10W,1%	Dale #CRCW06032491F	See Shure AVL for alternate vendors
145FF2492	5	R12 R18 R23 R34 R195	RESISTOR,SMD 603,24.9K,1/10W,1%	Dale #CRCW06032492F	See Shure AVL for alternate vendors
145FF2493	4	R457 R458 R555 R556	RESISTOR,SMD 603,249K,1/10W,1%	Dale #CRCW06032493F	See Shure AVL for alternate vendors
145FF2742	2	R112 R116	RESISTOR,SMD 603,27.4K,1/10W,1%	NIC #NRC06F2742	See Shure AVL for alternate vendors
145FF3011	2	R188 R192	RESISTOR,SMD 603,3.01K,1/10W,1%	Dale #CRCW06033011F	See Shure AVL for alternate vendors
145FF3012	2	R422 R522	RESISTOR,SMD 603,30.1K,1/10W,1%	Dale #CRCW06033012F	See Shure AVL for alternate vendors
145FF3013	1	R171	RESISTOR,SMD 603,301K,1/10W,1%	Dale #CRCW06033013F	See Shure AVL for alternate vendors
145FF3321	5	R1 R2 R164 R504 R508	RESISTOR,SMD 603,3.32K,1/10W,1%	NIC #NRC06F3321	See Shure AVL for alternate vendors
145FF33R2	1	R830	RESISTOR,SMD 603,33.2,1/10W,1%	NIC #NRC06F33R2	See Shure AVL for alternate vendors
145FF3651	1	R68	RESISTOR,SMD 603,3.65K,1/10W,1%	NIC #NRC06F3651	See Shure AVL for alternate vendors
145FF3921	1	R223	RESISTOR,SMD 603,3.92K,1/10W,1%	NIC #NRC06F3921	See Shure AVL for alternate vendors

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145FF4021	12	R26 R27 R35 R78 R85 R146 R173 R177 R181 R183 R455 R553	RESISTOR,SMD 603,4.02K,1/10W,1%	NIC #NRC06F4021	See Shure AVL for alternate vendors
145FF4022	15	R50 R60 R63 R125 R198 R420 R461 R463 R469 R472 R520 R559 R561 R572 R573	RESISTOR,SMD 603,40.2K,1/10W,1%	NIC #NRC06F4022	See Shure AVL for alternate vendors
145FF4321	1	R222	RESISTOR,SMD 603,4.32K,1/10W,1%	NIC #NRC06F4321	See Shure AVL for alternate vendors
145FF4990	1	R89	RESISTOR,SMD 603,499,1/10W,1%	Dale #CRCW06034990F	See Shure AVL for alternate vendors
145FF4991	13	R6 R8 R20 R22 R53 R87 R203 R474 R478 R567 R575 R600 R881	RESISTOR,SMD 603,4.99K,1/10W,1%	Dale #CRCW06034991F	See Shure AVL for alternate vendors
145FF4992	10	R32 R38 R46 R404 R405 R502 R507 R817 R818 R819	RESISTOR,SMD 603,49.9K,1/10W,1%	Dale #CRCW06034992F	See Shure AVL for alternate vendors
145FF4993	2	R147 R801	RESISTOR,SMD 603,499K,1/10W,1%	Dale #CRCW06034993F	See Shure AVL for alternate vendors
145FF49R9	3	R467 R565 R823	RESISTOR,SMD 603,49.9,1/10W,1%	NIC #NRC06F49R9	See Shure AVL for alternate vendors
145FF6042	4	R453 R460 R552 R558	RESISTOR,SMD 603,60.4K,1/10W,1%	NIC #NRC06F6042	See Shure AVL for alternate vendors
145FF7500	1	R69	RESISTOR,SMD 603,750,1/10W,1%	NIC #NRC06F7500	See Shure AVL for alternate vendors
145FF7501	6	R10 R17 R81 R84 R189 R191	RESISTOR,SMD 603,7.5K,1/10W,1%	NIC #NRC06F7501	See Shure AVL for alternate vendors
145FF8251	1	R802	RESISTOR,SMD 603,8.25K,1/10W,1%	NIC #NRC06F8251	See Shure AVL for alternate vendors
145FF82R5	1	R804	RESISTOR,SMD 603,82.5,1/10W,1%	Dale #CRCW060382R5F	See Shure AVL for alternate vendors
146A10	1	RV820	POTENTIOMETER,TRIM METAL-GLAZE,LINEAR,470	Noble USA #TMC2KJ-B470	SUBSTITUTIONS MUST BE APPROVED
146D10	3	RV1 RV450 RV550	POTENTIOMETER,TRIM METAL-GLAZE,LINEAR,10K	Noble USA #TMC2KJ-B10K	SUBSTITUTIONS MUST BE APPROVED
146H02	1	R52	POTENTIOMETER,TRIM,CHIP,SMD,100K	Vishay Spectrol #4H-104	See Shure AVL for alternate vendors
150DA223JB	5	C35 C116 C119 C120 C122	CAPACITOR,SMD 805,.022uF,50V,5%	NIC Type X7R,Y5V #NMC0805X7R223J50	See Shure AVL for alternate vendors
150DG475ZF	6	C43 C472 C572 C882 C887 C888	CAPACITOR,SMD 805,4.7uF,10V,+80-20%	AVX #0805ZG475ZATA	See Shure AVL for alternate vendors
150GA101JA	1	C812	CAPACITOR,SMD 603,100pF,50V,5%	Murata #GRM1885C1H101JA01	See Shure AVL for alternate vendors
150GA102JA	21	C33 C34 C38 C64 C65 C130 C131 C132 C133 C135 C137 C173 C174 C410 C411 C500 C501 C503 C504 C510 C511	CAPACITOR,SMD 603,.001uF,50V,5%	NIC Type NPO #NMC0603NPO102J50	See Shure AVL for alternate vendors
150GA103KB	9	C45 C47 C78 C124 C144 C145 C813 C814 C852	CAPACITOR,SMD 603,.01uF,50V,10%	NIC Type X7R,Y5V #NMC0603X7R103K50	See Shure AVL for alternate vendors
150GA222JB	1	C106	CAPACITOR,SMD 603,.0022uF,50V,5%	NIC Type X7R,Y5V #NMC0603X7R222J50	See Shure AVL for alternate vendors
150GA472JB	1	C40	CAPACITOR,SMD 603,.0047uF,50V,5%	NIC Type X7R,Y5V #NMC0603X7R472J50	See Shure AVL for alternate vendors
150GA682KB	1	C41	CAPACITOR,SMD 603,.0068uF,50V,10%	Murata #GRM188R71H682KD01	See Shure AVL for alternate vendors
150GB100JA	2	C76 C820	CAPACITOR,SMD 603,10pF,100V,5%	NIC < 100pF #NMC-L0603NPO100J100	See Shure AVL for alternate vendors
150GB101JA	41	C1 C2 C3 C4 C28 C31 C32 C37 C44 C46 C48 C49 C55 C57 C58 C59 C60 C61 C62 C63 C67 C68 C73 C75 C77 C107 C108 C146 C150 C151 C181 C455 C456 C460 C492 C554 C555 C560 C592 C822 C844	CAPACITOR,SMD 603,100pF,100V,5%	Murata #GRM1885C2A101JZ01	See Shure AVL for alternate vendors
150GB108BA	1	C307	CAPACITOR,SMD 603,1pF,100V,.1pf	NIC < 100pF #NMC-L0603NPO1R0B100	See Shure AVL for alternate vendors
150GB120JA	2	C310 C815	CAPACITOR,SMD 603,12pF,100V,5%	Murata #GRM1885C2A120JZ01	See Shure AVL for alternate vendors
150GB151JA	1	C180	CAPACITOR,SMD 603,150pF,100V,5%	Murata #GRM1885C2A151JZ01	See Shure AVL for alternate vendors
150GB158BA	2	C834 C842	CAPACITOR,SMD 603,1.5pF,100V,.1pf	NIC < 100pF #NMC-L0603NPO1R5B100	See Shure AVL for alternate vendors
150GB181JA	1	C105	CAPACITOR,SMD 603,180pF,100V,5%	Murata #GRM1885C2A181JA01	See Shure AVL for alternate vendors
150GB270JA	6	C22 C29 C30 C42 C142 C143	CAPACITOR,SMD 603,27pF,100V,5%	Murata #GRM1885C2A270JZ01	See Shure AVL for alternate vendors
150GB330JA	2	C56 C308	CAPACITOR,SMD 603,33pF,100V,5%	Murata #GRM1885C2A330JZ01	See Shure AVL for alternate vendors

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150GB398BA	1	C831	CAPACITOR,SMD 603,3.9pF,100V,.1pf	NIC < 100pF #NMC-L0603NPO3R9B100	See Shure AVL for alternate vendors
150GB560JA	14	C51 C52 C311 C801 C808 C810 C817 C818 C819 C851 C854 C884 C890 C893	CAPACITOR,SMD 603,56pF,100V,5%	Murata #GRM1885C2A560JZ01	See Shure AVL for alternate vendors
150GB568BA	2	C50 C833	CAPACITOR,SMD 603,5.6pF,100V,.1pf	Murata #GRM1885C2A5R6BZ01	See Shure AVL for alternate vendors
150GB688BA	3	C309 C835 C843	CAPACITOR,SMD 603,6.8pF,100V,.1pf	NIC < 100pF #NMC-L0603NPO6R8B100	See Shure AVL for alternate vendors
150GB828BA	1	C832	CAPACITOR,SMD 603,8.2pF,100V,.1pf	NIC < 100pF #NMC-L0603NPO8R2B100	See Shure AVL for alternate vendors
150GC104KB	55	C6 C7 C8 C11 C12 C15 C16 C18 C19 C20 C21 C25 C26 C27 C66 C69 C74 C81 C91 C93 C95 C96 C97 C98 C99 C115 C123 C172 C420 C421 C422 C423 C452 C461 C473 C480 C490 C491 C493 C497 C520 C521 C522 C523 C552 C561 C573 C580 C593 C807 C811 C823 C839 C881 C886	CAPACITOR,SMD 603,.1uF,16V,10%	NIC Type X7R,Y5V #NMC0603X7R104K16	See Shure AVL for alternate vendors
150GD102FA	2	C800 C804	CAPACITOR,SMD 603,.001uF,25V,1%	NIC Type NPO #NMC0603NPO102F25	See Shure AVL for alternate vendors
150JE103JP	4	C88 C89 C110 C111	CAPACITOR,FILM,PPS,SMD 805,.01uF,16V,5%	NIC #NSPC103J16A2	See Shure AVL for alternate vendors
150NA338BA	1	C305	CAPACITOR,SMD 603,3.3pF,.50V,.1pf	Murata #ERB1885C1H3R3BDX1	See Shure AVL for alternate vendors
150NE278BA	1	C304	CAPACITOR,SMD 603,2.7pF,200V,.1pf	Murata #ERB1885C2D2R7BDX1	See Shure AVL for alternate vendors
150NE568BA	2	C301 C306	CAPACITOR,SMD 603,5.6pF,200V,.1pf	Murata #ERB1885C2D5R6BDX1	See Shure AVL for alternate vendors
151AB225MA	1	C495	CAPACITOR,TANTALUM,SMD1206,2.2uF,6V,20%	NIC #NTC-T225M6A	See Shure AVL for alternate vendors
151AB227MD	1	C892	CAPACITOR,TANTALUM,SMD2916,220uF,6V,20%	NIC #NTC-T227M6D	See Shure AVL for alternate vendors
151AC107MD	1	C805	CAPACITOR,TANTALUM,SMD2916,100uF,10V,20%	NIC #NTC-T107M10D	See Shure AVL for alternate vendors
151AD105KA	12	C5 C10 C13 C14 C17 C24 C39 C189 C470 C496 C570 C803	CAPACITOR,TANTALUM,SMD1206,1uF,16V,10%	NIC #NTC-T105K16A	See Shure AVL for alternate vendors
151AD106KB	13	C36 C94 C109 C140 C141 C450 C454 C457 C458 C550 C553 C557 C558	CAPACITOR,TANTALUM,SMD1411,10uF,16V,10%	NIC #NTC-T106K16B	See Shure AVL for alternate vendors
151AD474KA	1	C891	CAPACITOR,TANTALUM,SMD1206,.47uF,16V,10%	NIC #NTC-T474K16A	See Shure AVL for alternate vendors
151AD475KB	13	C90 C92 C102 C103 C114 C121 C126 C471 C571 C850 C880 C885 C889	CAPACITOR,TANTALUM,SMD1411,4.7uF,16V,10%	NIC #NTC-T475K16B	See Shure AVL for alternate vendors
151AD476KD	1	C79	CAPACITOR,TANTALUM,SMD2916,47uF,16V,10%	NIC #NTC-T476K10D	See Shure AVL for alternate vendors
151AG104KA	2	C802 C806	CAPACITOR,TANTALUM,SMD1206,.1uF,35V,10%	NIC #NTC-T104K35A	See Shure AVL for alternate vendors
151BD107MD	4	C134 C136 C138 C139	CAPACITOR,ELECTROLYTIC,SMD,100uF,16V,20%	NIC #NACE101M16V6.3X5.5	See Shure AVL for alternate vendors
151BF226KD	2	C23 C175	CAPACITOR,ELECTROLYTIC,SMD,22uF,35V,10%	NIC #NACE220K35V6.3X5.5	See Shure AVL for alternate vendors
151BH106MD	4	C112 C113 C117 C118	CAPACITOR,ELECTROLYTIC,SMD,10uF,63V,20%	NIC #NACE100M63V6.3X5.5	See Shure AVL for alternate vendors
151DC156KA	1	C809	CAPACITOR,TANTALUM,SMD3216,15uF,10V,10%	AVX #TAJA156K010	See Shure AVL for alternate vendors
152A04	1	C303	CAPACITOR,TRIM,SMD,.65-2.5pF	Murata #TZV2Z2R5A110	SUBSTITUTIONS MUST BE APPROVED
152E04	1	CV800	CAPACITOR,TRIM,SMD,4.5-20pF	Murata #TZV2R200A110	SUBSTITUTIONS MUST BE APPROVED
162A12	2	L16 LF800	BEAD,FERRITE,SMD 805,600 OHM	Murata #BLM21AJ601SN1	SUBSTITUTIONS MUST BE APPROVED
162A25	2	L300 L302	INDUCTOR,SMD 603,100nH,10%	Toko Inc #LL1608-FHR10K	See Shure AVL for alternate vendors
162AC25	1	L830	INDUCTOR,SMD 603,1.2nH,±3nH	Toko Inc #LL1608-FH1N2S	See Shure AVL for alternate vendors
162G20	1	L303	INDUCTOR,SPRING,AIR CORE,8nH,2%	Coilcraft #A03TG	SUBSTITUTIONS MUST BE APPROVED
162L25	5	L2 L831 L832 L840 L841	INDUCTOR,SMD 603,15nH,10%	Toko Inc #LL1608-FH15NK	See Shure AVL for alternate vendors
162N25	1	L301	INDUCTOR,SMD 603,10nH,10%	Toko Inc #LL1608-FH10NK	See Shure AVL for alternate vendors
162R10	3	L1 L3 L5	INDUCTOR,SMD 805,180nH	Coilcraft #0805CS-181XKB	SUBSTITUTIONS MUST BE APPROVED
162R25	1	L820	INDUCTOR,SMD 603,6.8nH,10%	Toko Inc #LL1608-FH6N8K	See Shure AVL for alternate vendors

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183A01	1	Q3	TRANSISTOR,LOW NOISE,SOT-23,PNP,5087	On Semiconductor #MMBT5087L	SUBSTITUTIONS MUST BE APPROVED
183A36	1	U29	TRANSISTOR,HIGH FREQUENCY,NPN,MRF5812R1	Microsemi RF Products #MRF5812	SUBSTITUTIONS MUST BE APPROVED
183A38	3	Q1 Q855 Q880	TRANSISTOR,LOW NOISE,SOT-23,NPN,5089	On Semiconductor #MMBT5089L	SUBSTITUTIONS MUST BE APPROVED
183A48	2	Q300 Q301	TRANSISTOR,HIGH FREQUENCY,SOT-23,NPN,R24	NEC (California Eastern Labs) #2SC4226 (NE85630)	SUBSTITUTIONS MUST BE APPROVED
183A53	2	Q850 Q851	TRANSISTOR,FET,DMOS,SOT-23,NDS356AP	Fairchild Semiconductor #NDS356AP	SUBSTITUTIONS MUST BE APPROVED
183A56	3	Q430 Q450 Q550	TRANSISTOR,NPN,DUAL,SC70-6	Fairchild Semiconductor #FFB3904	SUBSTITUTIONS MUST BE APPROVED
184A08	11	D6 D9 D18 D19 D20 D21 D26 D27 D28 D29 D39	DIODE,SIGNAL,SWITCHING,SOT-23,100VDC	On Semiconductor #MMBD7000L	See Shure AVL for alternate vendors
184A20	4	D14 D15 D16 D17	RECTIFIER,SILICON,140VDC	Central Semiconductor #CMR1-02	SUBSTITUTIONS MUST BE APPROVED
184A34	2	Z1 Z2	DIODE,BIDIRECTIONAL,33VDC,600W	General Semiconductor (Vishay) #SMBJ33CA	SUBSTITUTIONS MUST BE APPROVED
184A36	1	D300	DIODE,TUNING,RF,SOD-323,30VDC	Infineon Technologies #BB545	SUBSTITUTIONS MUST BE APPROVED
184A68	2	Z450 Z550	DIODE,REFERENCE,VOLT,PREC SHUNT,SOT23-3	Maxim #MAX6006A	SUBSTITUTIONS MUST BE APPROVED
184A69	5	D400 D401 D490 D500 D501	DIODE,SCHOTTKY,DUAL,SOT-23	Fairchild Semiconductor #BAT54S	See Shure AVL for alternate vendors
184B69	2	D24 D25	DIODE,SCHOTTKY,COMMON ANODE,SOT-23	Fairchild Semiconductor #BAT54A	See Shure AVL for alternate vendors
188A136	1	U16	COMPARATOR,VOLTAGE,DUAL,SO-8,TLC393CD	Texas Instruments #TLC393CD	SUBSTITUTIONS MUST BE APPROVED
188A18	2	U9 U11	AMPLIFIER,OPERATIONAL,DUAL,SO-8,MC33178	On Semiconductor #MC33178D	SUBSTITUTIONS MUST BE APPROVED
188A204	4	U22 U23 U24 U26	REGULATOR,VOLTAGE,POSITIVE,DPAK,LM317MDT	On Semiconductor #LM317MDT	SUBSTITUTIONS MUST BE APPROVED
188A205	2	U21 U27	REGULATOR,VOLTAGE,NEGATIVE,DPAK,LM337LM	National Semiconductor #LM337LM	SUBSTITUTIONS MUST BE APPROVED
188A221	1	U6	MODULATOR,STEREO,SO-14,NJM2035M	New Japan Radio Co #NJM2035M	SUBSTITUTIONS MUST BE APPROVED
188A319	1	U491	SWITCH,SINGLE,ANALOG,OPEN,MAX4514CUK	Maxim #MAX4514CUK	SUBSTITUTIONS MUST BE APPROVED
188A357	2	U450 U550	PROCESSOR,DYNAMICS,THAT4311S	That Corp #THAT 4311S	SUBSTITUTIONS MUST BE APPROVED
188A387	4	U455 U460 U555 U560	IC,OP AMP,DUAL,MSOP-8	Texas Instruments #TLC072CDGN	SUBSTITUTIONS MUST BE APPROVED
188A435	2	U880 U887	IC,REGULATOR,MICROPOWER,LOW NOISE	Catalyst #LP2985AIM5-5.0	SUBSTITUTIONS MUST BE APPROVED
188A49	6	U1 U2 U4 U12 U14 U28	AMPLIFIER,OPERATIONAL,QUAD,SO-14,MC33179	On Semiconductor #MC33179D	SUBSTITUTIONS MUST BE APPROVED
188A552	1	U490	IC,SWITCH,ANALOG,SPST N.O.,SO-8	Vishay Siliconix #DG418DY	See Shure AVL for alternate vendors
188B388	1	U800	IC,SYNTHESIZER,PLLATINUM FREQ	National Semiconductor #LMX2335LTM	SUBSTITUTIONS MUST BE APPROVED
188B550	1	U820	IC,AMP,MONOLITHIC,DC-3GHz,SOT-89	Mini-Circuits #Gali-3	SUBSTITUTIONS MUST BE APPROVED
188C210	1	U20	DETECTOR,VOLTAGE,SOT23,TC54V-N4302ECB713	Microchip Technology #TC54V-N4302ECB	SUBSTITUTIONS MUST BE APPROVED

(90A8963C) P7T-H3 Rackmount Transmitter

Part Type	Qty	Designators	Description	Mfr #Mfr	Substitutions
188D131A	1	U25	MEMORY,EEPROM,SO-8,CAT24C04J	Catalyst #CAT24WC04J	SUBSTITUTIONS MUST BE APPROVED
188K238A	1	U10	MICROPROCESSOR,8-BIT,P7T,MC68HC705J1ACDW	Motorola #MC68HC705J1ACDW	SUBSTITUTIONS MUST BE APPROVED
30B1229B	1	T1			
46A8072	1	R136	POTENTIOMETER,DUAL,100K LOG TAPER(2)	Alps Electric #RK16312A0BG4(100kAX2)	NO SUBSTITUTIONS PERMITTED
46B8072	1	R202	POTENTIOMETER,DUAL,100K LINEAR TAPER(2)	Alps Electric #RK1631210AXK(100kBX2)	NO SUBSTITUTIONS PERMITTED
51A8056	1	T1	TRANSFORMER,TOROIDAL,2x115VAC/2x15V	Amveco Magnetics #70053	NO SUBSTITUTIONS PERMITTED
53A8482	1	U300			
55A8019	1	SW3	SWITCH,SLIDE,RIGHT ANGLE,4PDT	Alcoswitch (Tyco Electronics) #MSS-4200RG	NO SUBSTITUTIONS PERMITTED
55A8054	1	SW4	SWITCH,VOLTAGE SELECTOR,115/230V	Schurter #SWA0033.4604	NO SUBSTITUTIONS PERMITTED
55A8104	1	SW2	SWITCH,POWER,AC,RIGHT ANGLE,DPDT	E-Switch #TA2UEEC1AGPN (Dwg #A010006)	NO SUBSTITUTIONS PERMITTED
55A8143	1	SW8	SWITCH,DIP,16 POS,RT ANG ROTARY	Grayhill Inc #94HAB16RA	NO SUBSTITUTIONS PERMITTED
55C8055	2	SW1 SW7	SWITCH,SLIDE,VERT,BLACK ACTUATOR,SPDT	NKK Switches of America #AS12CV	NO SUBSTITUTIONS PERMITTED
82A8030	1	L6	COIL,TUNABLE,18mH	Toko Inc #CLNS-T1033Z	SUBSTITUTIONS MUST BE APPROVED
86A8941	2	U7 U15	DRIVER,DISPLAY,DOT/BAR,SO-18,LM3915N	National Semiconductor #LM3915N-1	SUBSTITUTIONS MUST BE APPROVED
86A8988	2	FL1 FL2	FILTER,LC,AUDIO,LOWPASS,257BLR-3718N	Toko Inc #257BLR-3718N	NO SUBSTITUTIONS PERMITTED
86B9010	2	U5 U13	AMPLIFIER,CONTROLLED,VOLTAGE,SIP8,2180LB	That Corp #THAT 2180LB	NO SUBSTITUTIONS PERMITTED
86PD8982CD	2	C128 C129	CAPACITOR,ELECTROLYTIC,3300uF,35V,20%	NIC #NRLMW332M35V22x25	SUBSTITUTIONS MUST BE APPROVED
95A8363	1	J19	HEADER,LOCKING,6 POSITION	Molex #26-60-4060	NO SUBSTITUTIONS PERMITTED
95A8628	2	D22 D33	ARRAY,LED,YELLOW/NONE/YELLOW/NONE	Dialight #568-0103-030	See Shure AVL for alternate vendors
95A8631	1	J3	JACK,BNC,RIGHT ANGLE,50 OHM	Amp Inc (Tyco Electronics) #415025-1	NO SUBSTITUTIONS PERMITTED
95A8690	1	D7	LED,STACKED,GREEN,RED	Wilbrecht Elect (Ledco Div) #76200-000	NO SUBSTITUTIONS PERMITTED
95A8839	1	J18	JACK,PHONE,THREADED,3.5MM	Methode (Adam Tech) #ASJ-7-5-M	NO SUBSTITUTIONS PERMITTED
95A8898	2	J5 J6	CONNECTOR,AUDIO,COMBO,XLR,3 PIN	Neutrik USA #NCJ6FI-H	NO SUBSTITUTIONS PERMITTED
95B8628	3	D23 D31 D32	ARRAY,LED,RED/NONE/RED/NONE	Dialight #568-0101-010	See Shure AVL for alternate vendors
95C8628	3	D30 D34 D35	ARRAY,LED,GREEN/NONE/GREEN/NONE	Dialight #568-0102-020	See Shure AVL for alternate vendors
95Z8322	3	J1 J7 J8	JACK,PHONE,STEREO,SWITCH,RT ANGLE,1/4"	Switchcraft #11J5028	NO SUBSTITUTIONS PERMITTED
DNP	38	C9 C300 C302 C451 C459 C551 C559 C816 C840 C841 D3 FL840 L821 Q4 R11 R13 R14 R15 R16 R102 R126 R135 R206 R211 R212 R216 R217 R218 R219 R473 R479 R566 R579 R840 R843 R844 RV460 RV560	DO NOT POPULATE		
34A8744C	1		Raw PCB		