

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
.1	10	13D0243	10D0243 - MSRY CASE ASSEMBLY	1.00	EACH		10D0243
..2	10	10D0243	10D0814 - CABLE MSRY CASE POWER INTERCONNECT	1.00	EACH		10D0814
...3	5	10D0814	18A0201 - 2 PIN FLANGE CONNECTOR MSRY	0.00	EACH	REFERENCE ONLY	
...3	10	10D0814	61Z0271 - CONN 2 PIN MALE FLANGE MOUNT	1.00	EACH		PT02E-8-2P
...3	30	10D0814	61Z0499 - CONN MALE PIN	2.00	EACH		02-09-2103
...3	40	10D0814	89Z0039 - WIRE 22 TEFLON 19 STD BLK	4.00	IN		MIL-W-16878/6
...3	50	10D0814	89Z0044 - WIRE 22 TEFLON 19 STD ORANGE	4.00	IN		MIL-W16878/6B
..2	20	10d0243	22C0826 - ASSY MSRY CASE	0.00	EACH	REFERENCE ONLY	
..2	23	10d0243	30A0186 - PELICAN CASE MOUNTING RING ASSEMBLY	0.00	DOC	REFERENCE ONLY	
..2	25	10D0243	30P0186 - PELICAN CASE MOUNTING RING POTTING	0.00	DOC		
..2	30	10D0243	61Z0445 - CONN FEED THRU BNC	1.00	EACH		3847
..2	35	10D0243	61Z0493 - CONN 2 PIN FEMALE	1.00	EACH		03-09-2022
..2	40	10D0243	62Z0036 - GASKET FLANGE MT CONN	1.00	EACH		10-101-949-8
..2	50	10D0243	65Z0090-1 - ENCLOSURE MACHINED for MSRY	1.00	EACH		
...3	5	65Z0090-1	11A0448 - MSRY HOUSING DRILL DRAWING	0.00	EACH		11A0448
...3	10	65Z0090-1	65Z0090 - ENCLOSURE PELICAN CASE	1.00	EACH		#1400
..2	60	10D0243	65Z0091 - MOUNTING FRAME FOR 65Z0090	1.00	EACH		MOUNTING FRAME
..2	70	10D0243	71Z0255 - SCREW #4 x 3/8" SHEET METAL	4.00	EACH		
..2	80	10D0243	71Z0246 - SCREW 6-32 X 5/8 HEX WASHER HD SHEET METAL	4.00	EACH		
..2	100	10D0243	83Z0072 - FOAM, 10" X 6" X 1.5"	1.00	EACH		
..2	110	10D0243	84Z0032 - TYRAP, BLACK NYLON CBL TIE	1.00	EACH		PLT-7M-M0
.1	20	13D0243	10D0245 - MSRY PANEL ASSEMBLY 138-154 Mhz	1.00	EACH		10D0245
..2	10	10D0245	10D0222 - MSRY RECEIVER ASSEMBLY 138-154 Mhz	1.00	EACH		10D0222
...3	10	10D0222	10D0580 - RF RECEIVER 138-154 MHZ	1.00	EACH		10D0580
....4	10	10D0580	19C0580 - SCHEMATIC RF RECEIVER	0.00	SDWG	REFERENCE ONLY	
....4	20	10D0580	20C0580-A - RF RECEIVER PCB - REV A - HAND BUILD	1.00	EACH	PCB-1	
....4	30	10D0580	22C0580 - RF RECEIVER	0.00	ADWG	REFERENCE ONLY	
....4	50	10D0580	41S8051 - RES 330 OHM 1/10 W 5%	3.00	EACH	R1,6,11	0805
....4	60	10D0580	41S8063 - RES 1.0 K SMD 1/10 W 5%	6.00	EACH	R4,5,9,10,14,15	CRCW0805102JT
....4	70	10D0580	41S8074 - RES 3 K SMD 1/10 W 5%	3.00	EACH	R3,8,13	0805
....4	80	10D0580	41S8083 - RES 6.8 K SMD 1/10 W 5%	3.00	EACH	R2,7,12	0805
....4	90	10D0580	42S0002 - CAP 1000 PF 5% NPO SMD 0805	12.00	EACH	C7-10,16-19,24-27	0805CG102J0B20
....4	100	10D0580	42S0008 - CAP 39 PF NPO SMD	5.00	EACH	C1,5,14,22,31	08051A390JAT2A
....4	110	10D0580	42S0011 - CAP 15 PF NPO SMD 0805	3.00	EACH	C11,28,32	C0805C150K1GACTTU
....4	120	10D0580	42S0066 - CAP 2.2 PF NPO SMD 5% CER	3.00	EACH	C12,20,29	GRM2165C1H2R2CD
....4	130	10D0580	42S0077 - CAP 33 PF NPO SMD 5%	5.00	EACH	C2,4,13,21,30	0805 CS
....4	140	10D0580	42S0081 - CAP 3.3 PF NPO SMD 5%	1.00	EACH	C3	0805

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	150	10D0580	42S0151 - CAP 0.1 UF 50 V SMD 0805	3.00	EACH	C6,15,23	C0805C104K5RACTU
....4	160	10D0580	44S0044 - TRANSISTOR SOT143 NPN RF	3.00	EACH	Q1-3	MRF9411LT1
....4	170	10D0580	55C0004 - COIL 0.068 UH	8.00	EACH	L1-8	369INS-A452HM
....4	180	10D0580	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
...3	20	10D0222	10D0581 - IF RECEIVER	1.00	EACH		10D0581
....4	10	10D0581	19C0581 - SCHEMATIC IF RECEIVER	0.00	SDWG	REFERENCE ONLY	
....4	20	10D0581	20C0581-C - IF RECEIVER PCB - REV C	1.00	EACH	PCB-1	
....4	30	10D0581	22C0581 - IF RECEIVER	0.00	ADWG	REFERENCE ONLY	
....4	40	10D0581	41S8080 - RES 5.1 K SMD 0805 1/10W 5%	1.00	EACH	R5	0805
....4	50	10D0581	41S8101 - RES 39 K 1/10 W 5%	2.00	EACH	R1,7	MCR10JW393
....4	60	10D0581	41S8103 - RES 47 K SMD 1/10 W 5%	4.00	EACH	R2,3,8,9	CRCW0805473JT
....4	70	10D0581	41S8107 - RES 68 K SMD 1/10 W 5%	1.00	EACH	R6	0805
....4	80	10D0581	41S8111 - RES 100 K SMD 1/10 W 5%	3.00	EACH	R10,13,16	CRCW0805104JT
....4	90	10D0581	41S8131 - RES 680 K 1/10 W SMD 5%	1.00	EACH	R11	MCR10JW684
....4	100	10D0581	41S8139 - RES 1.5 MEG 1/10 W 5%	1.00	EACH	R14	0805
....4	110	10D0581	41S8154 - RES 6.2 MEG SMD 1/10 W 5%	1.00	EACH	R15	0805
....4	120	10D0581	41S8159 - RES 10 MEG 1/10 W SMD 5%	1.00	EACH	R12	CRCW0805106JT
....4	130	10D0581	42S0002 - CAP 1000 PF 5% NPO SMD 0805	10.00	EACH	C11,14,15,25- 27,31,34,37,38	0805CG102J0B20
....4	140	10D0581	42S0005 - CAP 100 PF 5% NPO SMD	4.00	EACH	C5,9,20,35	C0805C101J1GACTU
....4	150	10D0581	42S0009 - CAP 22 PF NPO SMD 5% 0805 PKG	2.00	EACH	C30,32	VJ0805A220JXBCW1BC
....4	160	10D0581	42S0012 - CAP 1.5 PF NPO +/- 0.5 PF SMD	1.00	EACH	C8	GRM2156C1H1R5CD01D
....4	170	10D0581	42S0017 - CAP 68 PF NPO SMD +/- 5%	2.00	EACH	C17,29	C0805C680J1GACTU
....4	180	10D0581	42S0026 - CAP 120 PF NPO SMD 5%	2.00	EACH	C6,10	0805
....4	190	10D0581	42S0028 - CAP 470 PF NPO SMD 5%	1.00	EACH	C33	08051A471JAT2A
....4	200	10D0581	42S0029 - CAP 0.01 UF10% X7R	2.00	EACH	23,24	VJ0805Y103KXBCW1BC
....4	205	10D0581	42S0029 - CAP 0.01 UF10% X7R	0.00	EACH	C2, Do not install	VJ0805Y103KXBCW1BC
....4	210	10D0581	42S0033 - CAP 47 PF NPO SMD +/- 5%	1.00	EACH	C19	C0805C470J1GACTU
....4	220	10D0581	42S0081 - CAP 3.3 PF NPO SMD 5%	1.00	EACH	C7	0805
....4	230	10D0581	42S0115 - CAP 2200 PF NPO SMD 5%	2.00	EACH	C16,28	08055A222JAT2A
....4	240	10D0581	42S0151 - CAP 0.1 UF 50 V SMD 0805	8.00	EACH	C1,3,12,13,18,21,22,36	C0805C104K5RACTU
....4	250	10D0581	42T0007 - CAP 4.7 UF 16 V TANTALUM	1.00	EACH	C4	T350B475K016AS
....4	260	10D0581	43I0007 - IC VOLTAGE REG 5 V TO92	1.00	EACH	U5	S-812C50AY-B-G
....4	270	10D0581	43S0002 - IC DUAL COMPARATOR SMD	1.00	EACH	U3	TLC3702ID
....4	280	10D0581	43S0022 - IC IF RECEIVER SMD	1.00	EACH	U1	MC3362DW
....4	290	10D0581	43S0109 - IC QUAD NAND GATE SMD 14-SOIC	1.00	EACH	U4	MC14093BDR2
....4	300	10D0581	43S0214 - IC DUAL OPAMP SOIC8	1.00	EACH	U2	TLC27M2ID
....4	310	10D0581	55C0002 - COIL 1.0 UH 5MM SIZE	2.00	EACH	L1,2	886ANS-P1026Z

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....4	320	10D0581	63Z0029 - COIL 455 KHZ QUADRATURE IF	1.00	EACH	L3	RMC-2A6597HM
....4	330	10D0581	64Z0016 - XTAL FILTER 455 KHZ&30 KHZ	1.00	EACH	FL3	KBF455P25A
....4	340	10D0581	64Z0032 - XTAL FILTER 21.4 MHZ/15 KHZ	1.00	SET	FL1,2	TE5270 M2/21.400MHZ
....4	350	10D0581	64Z0048 - XTAL 20.945 STD HC-45 32PF	1.00	EACH	Y1	20.945
....4	360	10D0581	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
....3	30	10D0222	10D0587-LMS - MSRY RCVR SYNTH 138-154 MHz	1.00	EACH		
....4	10	10D0587-LMS	19C0578 - SCHEMATIC SYNTHESIZER (TX-RX)	0.00	EACH	REFERENCE ONLY	
....4	20	10D0587-LMS	20C0578-A - SYNTHESIZER PCB - REV A	1.00	EACH	PCB-1	
....4	30	10D0587-LMS	22C0584 - ASSY. MCRD/MSRY RCVR SYNTHESIZER	0.00	ADWG	REFERENCE ONLY	
....4	40	10D0587-LMS	41S8035 - RES 68 OHM SMD 1/4 W 5%	1.00	EACH	R14	0805
....4	50	10D0587-LMS	41S8039 - RES 100 OHM 1/10 W 5%	3.00	EACH	R9,12,30	CRCW0805101JT
....4	60	10D0587-LMS	41S8042 - RES 130 OHM SMD 1/10 W 5%	1.00	EACH	R13	0805
....4	70	10D0587-LMS	41S8043 - RES 150 OHM SMD 1/10 W 5%	1.00	EACH	R25	CRCW0805150RJNEA
....4	80	10D0587-LMS	41S8046 - RES 200 OHM SMD 1/10 W 5%	1.00	EACH	R11	0805
....4	90	10D0587-LMS	41S8047 - RES 220 OHM 1/10 W SMD 5%	1.00	EACH	R15	0805
....4	100	10D0587-LMS	41S8051 - RES 330 OHM 1/10 W 5%	2.00	EACH	R20,29	0805
....4	110	10D0587-LMS	41S8055 - RES 470 OHM SMD 1/10 W 5%	1.00	EACH	R19	CRCW0805471JT
....4	120	10D0587-LMS	41S8058 - RES 620 OHM SMD 1/10 W 5%	1.00	EACH	R24	0805
....4	130	10D0587-LMS	41S8063 - RES 1.0 K SMD 1/10 W 5%	4.00	EACH	R18,22,26,39	CRCW0805102JT
....4	140	10D0587-LMS	41S8071 - RES 2.2 K SMD 1/10 W 5%	4.00	EACH	R10,17,23,28	CRCW0805222T
....4	150	10D0587-LMS	41S8075 - RES 3.3 K SMD 1/10 W 5%	4.00	EACH	R8,16,21,27	RK73B2ALTD332J
....4	160	10D0587-LMS	41S8101 - RES 39 K 1/10 W 5%	2.00	EACH	R31,38	MCR10JW393

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	170	10D0587-LMS	41S8108 - RES 75 K SMD 1/10 W 5%	4.00	EACH	R32,34,35,37	0805
....4	175	10D0587-LMS	41S8111 - RES 100 K SMD 1/10 W 5%	0.00	EACH	R41,42 Do not install	CRCW0805104JT
....4	180	10D0587-LMS	41S8113 - RES 120 K SMD 1/10 W 5% 0805	1.00	EACH	R40	0805
....4	190	10D0587-LMS	41S8122 - RES 300 K SMD 1/10 W 5%	2.00	EACH	R33,36	0805
....4	194	10D0587-LMS	41S8407-4 - RES 0.0 OHM 1/10W 5% 0603 SMD	1.00	EACH	R43	311-0.0GCT-ND
....4	195	10D0587-LMS	41S8407-4 - RES 0.0 OHM 1/10W 5% 0603 SMD	0.00	EACH	R44 Do not install	311-0.0GCT-ND
....4	197	10D0587-LMS	42K9515 - CAP 47 UF 16 V	1.00	EACH	C48	T491D476K016AS
....4	200	10D0587-LMS	42S0002 - CAP 1000 PF 5% NPO SMD 0805	11.00	EACH	C7,14-16,21,22,27,31-	0805CG102J0B20
....4	210	10D0587-LMS	42S0008 - CAP 39 PF NPO SMD	1.00	EACH	C28	08051A390JAT2A
....4	230	10D0587-LMS	42S0017 - CAP 68 PF NPO SMD +/- 5%	1.00	EACH	C24	C0805C680J1GACTU
....4	240	10D0587-LMS	42S0029 - CAP 0.01 UF10% X7R	2.00	EACH	C43,44	VJ0805Y103KXBCW1BC
....4	245	10D0587-LMS	42S0029 - CAP 0.01 UF10% X7R	0.00	EACH	C34 - Do not install	VJ0805Y103KXBCW1BC
....4	250	10D0587-LMS	42S0033 - CAP 47 PF NPO SMD +/- 5%	4.00	EACH	C4 (SAT), 5,9,11	C0805C470J1GACTU
....4	260	10D0587-LMS	42S0039 - CAP 56 PF NPO SMD 5%	2.00	EACH	C18,30	0805 CS
....4	265	10D0587-LMS	42S0079 - CAP 3.9 PF NPO SMD +/- 5%	0.00	EACH	C10 Do not install	0805
....4	270	10D0587-LMS	42S0077 - CAP 33 PF NPO SMD 5%	2.00	EACH	C17,23	0805 CS
....4	280	10D0587-LMS	42S0133 - CAP 4.7 UF TANT 16 V SMD "A" Size	1.00	EACH	C2	293D475X9016A2T
....4	290	10D0587-LMS	42S0151 - CAP 0.1 UF 50 V SMD 0805	19.00	EACH	C1,3,6,8,12,13,19,20,25,2 6,29,35,36,39,40,42,45-47	C0805C104K5RACTU
....4	300	10D0587-LMS	42SELECT - CAP SELECT @ TEST VALUE TBD	0.00	EACH	C37 (Open)	

Indented BOM:**Exploded Item Code : 13D0243 MSRY RELAY 138-174 MHZ**

[IndentedBOM]

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....4	310	10D0587-LMS	43I0007 - IC VOLTAGE REG 5 V TO92	1.00	EACH	U4	S-812C50AY-B-G
....4	311	10D0587-LMS	43R0004 - IC REG 2.5 V TO92 CASE	0.00	EACH	U6 Do not install	LM285Z-2.5
....4	320	10D0587-LMS	43S0214 - IC DUAL OPAMP SOIC8	1.00	EACH	U2	TLC27M2ID
....4	330	10D0587-LMS	43S0234 - IC PARALLEL-INPUT PLL FREQUENCY SYNTHESIZER	1.00	EACH	U1	MC145156DW
....4	340	10D0587-LMS	43S0243 - IC DMOD SOIC8	1.00	EACH	U3	MC12015
....4	350	10D0587-LMS	44S0114 - DIODE VARICAP 10PF SMD SOT23	1.00	EACH	CR1	MMVB105G
....4	351	10D0587-LMS	44S0114 - DIODE VARICAP 10PF SMD SOT23	0.00	EACH	CR2 Do not install	MMVB105G
....4	360	10D0587-LMS	44S0121 - TRANSISTOR RF SMD SOT23 MOTOROLA ONLY	5.00	EACH	Q1-5	MMBTH10L - [3EM]
....4	370	10D0587-LMS	55C0004 - COIL 0.068 UH	3.00	EACH	L2-4	369INS-A452HM
....4	380	10D0587-LMS	55C0007 - COIL 0.22UH 10%	1.00	EACH	L1	MS75083-05
....4	390	10D0587-LMS	61Z0250 - SOCKET DIP 16 PIN	0.00	EACH	J1 - Do not install	2-640358-4
....4	400	10D0587-LMS	64Z0099 - XTAL 12.8 MHZ 5V 475-2.5	1.00	EACH	U5	T47PA-12.80MHz
....4	410	10D0587-LMS	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
...3	40	10D0222	10D0817 - MSRY RCVR SYNTH WIRE HARNESS 9 PIN	1.00	EACH		10D0817
....4	5	10d0817	18Z0200 - BLOCK DIA TRACS TRANSMITTER ASSEMBLY	1.00	WDW	REF ONLY	
....4	10	10D0817	61Z0350 - CONNECTOR DE-9 PIN MALE DB9M	1.00	EACH	P3	9147
....4	20	10D0817	89Z0009 - WIRE 22 TFL.19 STDWHITE	3.00	FT		MIL-W-16878/4B
....4	30	10D0817	89Z0022 - WIRE 22 AWG 19 STD TFL BLUE MIL-W-16878/4B	3.00	IN		m16878/4
....4	40	10D0817	89Z0039 - WIRE 22 TEFLON 19 STD BLK	6.00	IN		MIL-W-16878/6
....4	50	10D0817	89Z0044 - WIRE 22 TEFLON 19 STD ORANGE	7.00	IN		MIL-W16878/6B
....4	60	10D0817	89Z0045 - WIRE 22 TEFLON 19 STD YEL	7.00	IN		M16878/6-BFE-4
....4	70	10D0817	89Z0050 - WIRE 22 TEFLON 19 STD VIOLET	3.00	FT		MIL-W-16878/6B
...3	50	10D0222	14A0373 - RCVR MSRY ENCLOSURE ALODINED	1.00	EACH		
....4	10	14A0373	11C0373 - RCVR MSRY ENCLOSURE	1.00	EACH		
...3	60	10D0222	14A0373-1 - RCVR MSRY COVER ANODIZED	2.00	EACH		
....4	10	14A0373-1	11C0373-1 - RCVR MSRY COVER	1.00	EACH		

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...3	65	10D0222	18C0189 - MSRY RECEIVER WIRING	0.00	WDW	REFERENCE ONLY	18C0189
...3	70	10D0222	61Z0150 - CONN BNC-RF	1.00	EACH		31-221
...3	80	10D0222	71Z0079 - SCREW 2-56 X 3/16 PHILLIPS FLAT HD SS	20.00	EACH		
...3	90	10D0222	71Z0194 - SCREW CONNECTOR KIT D-SUB	1.00	EACH		205817-1
...3	100	10D0222	83Z0080 - WIRE RETAINING FOAM SQUARE 1" X 1" X .5"	1.00	EACH		Made from 83Z0078
...3	110	10D0222	89Z0023 - WIRE 22 TEFLON 19 STD RED	5.00	IN		MIL-W-16878/6-BFE-2
...3	120	10D0222	89Z0142 - WIRE COAX CABLE RG-178B/U	1.00	FT		83265
..2	20	10D0245	10D0251 - MSRY TRANSMITTER ASSEMBLY 138-154 Mhz	1.00	EACH		10D0251
...3	10	10D0251	10D0583 - TRANSMITTER SYNTH 138-154 MHZ	1.00	EACH		
....4	10	10D0583	19C0578 - SCHEMATIC SYNTHESIZER (TX-RX)	0.00	SDWG	REFERENCE ONLY	
....4	20	10D0583	20C0578-A - SYNTHESIZER PCB - REV A	1.00	EACH	PCB-1	
....4	30	10D0583	22C0578 - ASSY. MSRY TRANSMITTER SYNTHESIZER	0.00	ADWG	REFERENCE ONLY	
....4	40	10D0583	41S8032 - RES 51 OHM SMD 1/10 W 5%	1.00	EACH	R20	CRC80551ROJNEA
....4	50	10D0583	41S8035 - RES 68 OHM SMD 1/4 W 5%	1.00	EACH	R14	0805
....4	60	10D0583	41S8036 - RES 75 OHM SMD 1/10 W 5%	1.00	EACH	R15	0805
....4	70	10D0583	41S8039 - RES 100 OHM 1/10 W 5%	4.00	EACH	R9, 12, 24, 30	CRCW0805101JT
....4	80	10D0583	41S8042 - RES 130 OHM SMD 1/10 W 5%	1.00	EACH	R13	0805
....4	90	10D0583	41S8043 - RES 150 OHM SMD 1/10 W 5%	2.00	EACH	R19, 25	CRCW0805150RJNEA
....4	100	10D0583	41S8046 - RES 200 OHM SMD 1/10 W 5%	1.00	EACH	R11	0805
....4	110	10D0583	41S8051 - RES 330 OHM 1/10 W 5%	1.00	EACH	R29	0805
....4	120	10D0583	41S8063 - RES 1.0 K SMD 1/10 W 5%	3.00	EACH	R18, 22, 26	CRCW0805102JT
....4	130	10D0583	41S8071 - RES 2.2 K SMD 1/10 W 5%	4.00	EACH	R10, 17, 23, 28	CRCW0805222T
....4	140	10D0583	41S8074 - RES 3 K SMD 1/10 W 5%	1.00	EACH	R39	0805
....4	150	10D0583	41S8075 - RES 3.3 K SMD 1/10 W 5%	4.00	EACH	R8, 16, 21, 27	RK73B2ALTD332J
....4	160	10D0583	41S8101 - RES 39 K 1/10 W 5%	2.00	EACH	R31, 38	MCR10JW393
....4	170	10D0583	41S8106 - RES 62 K SMD 1/10 W	4.00	EACH	R32, 34, 35, 37	0805
....4	180	10D0583	41S8111 - RES 100 K SMD 1/10 W 5%	2.00	EACH	R40, 41	CRCW0805104JT
....4	181	10D0583	41S8111 - RES 100 K SMD 1/10 W 5%	0.00	EACH	R42 Do not install	CRCW0805104JT
....4	190	10D0583	41S8120 - RES 240 K 1/10 W SMD 5% 0805	2.00	EACH	R33, 36	0805
....4	195	10D0583	41S8407-4 - RES 0.0 OHM 1/10W 5% 0603 SMD	1.00	EACH	R43	311-0.0GCT-ND
....4	196	10D0583	41S8407-4 - RES 0.0 OHM 1/10W 5% 0603 SMD	0.00	EACH	R44 Do not install	311-0.0GCT-ND
....4	200	10D0583	42S0002 - CAP 1000 PF 5% NPO SMD 0805	10.00	EACH	C7, 14, 16, 21, 22, 27, 31-33, 41	0805CG102J0B20
....4	210	10D0583	42S0008 - CAP 39 PF NPO SMD	1.00	EACH	C30	08051A390JAT2A
....4	220	10D0583	42S0009 - CAP 22 PF NPO SMD 5% 0805 PKG	1.00	EACH	C23	VJ0805A220JXBCW1BC
....4	230	10D0583	42S0013 - CAP 10 PF NPO SMD	1.00	EACH	C15	C0805C100D5GACTU
....4	240	10D0583	42S0029 - CAP 0.01 UF10% X7R	2.00	EACH	C43, 44	VJ0805Y103KXBCW1BC
....4	245	10D0583	42S0029 - CAP 0.01 UF10% X7R	0.00	EACH	C34 - Do not install	VJ0805Y103KXBCW1BC

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	250	10D0583	42S0033 - CAP 47 PF NPO SMD +/- 5%	3.00	EACH	C5, 9, 11	C0805C470J1GACTU
....4	260	10D0583	42S0039 - CAP 56 PF NPO SMD 5%	2.00	EACH	C18, 24	0805 CS
....4	270	10D0583	42S0076 - CAP 27 PF NPO SMD +/- 5%	2.00	EACH	C17, C4 (S.A.T.)	08051A270JAT2A
....4	280	10D0583	42S0079 - CAP 3.9 PF NPO SMD +/- 5%	1.00	EACH	C10	0805
....4	290	10D0583	42S0133 - CAP 4.7 UF TANT 16 V SMD "A" Size	2.00	EACH	C2, 3	293D475X9016A2T
....4	300	10D0583	42S0149 - CAP 30 PF NPO SMD	1.00	EACH	C28	C0805C300J1GACTU
....4	310	10D0583	42S0151 - CAP 0.1 UF 50 V SMD 0805	18.00	EACH	C1, 6, 8, 12, 13, 19, 20, 25, 26, 29, 35, 36, 39, 40, 42, 45-47	C0805C104K5RACTU
....4	321	10D0583	42SELECT - CAP SELECT @ TEST VALUE TBD	0.00	EACH	C37 (Open)	
....4	330	10D0583	42K9515 - CAP 47 UF 16 V	1.00	EACH	C48	T491D476K016AS
....4	340	10D0583	43I0007 - IC VOLTAGE REG 5 V TO92	1.00	EACH	U4	S-812C50AY-B-G
....4	345	10D0583	43R0004 - IC REG 2.5 V TO92 CASE	0.00	EACH	U6 Do not install	LM285Z-2.5
....4	350	10D0583	43S0214 - IC DUAL OPAMP SOIC8	1.00	EACH	U2	TLC27M2ID
....4	360	10D0583	43S0234 - IC PARALLEL-INPUT PLL FREQUENCY SYNTHESIZER	1.00	EACH	U1	MC145156DW
....4	370	10D0583	43S0243 - IC DMOD SOIC8	1.00	EACH	U3	MC12015
....4	380	10D0583	44S0114 - DIODE VARICAP 10PF SMD SOT23	2.00	EACH	CR1, 2	MMVB105G
....4	390	10D0583	44S0121 - TRANSISTOR RF SMD SOT23 MOTOROLA ONLY	5.00	EACH	Q1-5	MMBTH10L - [3EM]
....4	400	10D0583	55C0004 - COIL 0.068 UH	3.00	EACH	L2-4	369INS-A452HM
....4	410	10D0583	55C0013 - COIL 0.18 UH 10%	1.00	EACH	L1	IM2-0.18
....4	420	10D0583	61Z0250 - SOCKET DIP 16 PIN	1.00	EACH	J1	2-640358-4
....4	430	10D0583	64Z0097 - XTAL 12.8 MHZ 5V	1.00	EACH	U5	T57PV-12.80mhz. TCVXO
....4	440	10D0583	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
....3	20	10D0251	10D0590 - RF POWER AMP 138-154 MHZ	1.00	EACH		
....4	10	10D0590	15A0107-3 - INDUCTOR RF BEAD 2 TURNS	1.00	EACH	L4	
....4	20	10D0590	15A0138-3 - COIL AIR WOUND 3 TURN 20 AWG (.167) 8050 BELDSOL	1.00	EACH	L3	
....4	30	10D0590	15A0138-6 - COIL AIR WOUND 6 TURN 20 AWG (.167 D) 8050 BELDSOL	1.00	EACH	L7	15A0138-6-A
....4	40	10D0590	15A0138-7 - COIL AIR WOUND 7 TURN 20 AWG (.167 D) 8050 BELDSOL	1.00	EACH	L6	15A0138-7A
....4	50	10D0590	19C0586 - SCHEMATIC RF POWER AMP	0.00	SDWG	REFERENCE ONLY	
....4	60	10D0590	20C0586-A - RF POWER AMP - REV A	1.00	EACH	PCB-1	
....4	70	10D0590	22C0586 - RF POWER AMP	0.00	ADWG	REFERENCE ONLY	
....4	80	10D0590	41F0039 - RES 100 1/8 W 5% RADIAL LEAD CF	1.00	EACH	R6	107916
....4	90	10D0590	41F1032 - RES 51 OHM 1/4 W 5% CF	1.00	EACH	R10	ME-299
....4	120	10D0590	41S8036 - RES 75 OHM SMD 1/10 W 5%	1.00	EACH	R4	0805
....4	130	10D0590	41S8055 - RES 470 OHM SMD 1/10 W 5%	2.00	EACH	R2, 5	CRCW0805471JT

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	140	10D0590	41S8063 - RES 1.0 K SMD 1/10 W 5%	1.00	EACH	R1	CRCW0805102JT
....4	150	10D0590	41S8071 - RES 2.2 K SMD 1/10 W 5%	1.00	EACH	R3	CRCW0805222T
....4	160	10D0590	41S8097 - RES 27 K 1/10 W 5%	1.00	EACH	R9	MCR10JW273
....4	170	10D0590	41S8103 - RES 47 K SMD 1/10 W 5%	1.00	EACH	R8	CRCW0805473JT
....4	180	10D0590	41S9999 - BUSS WIRE	1.00	EACH	J1	
....4	190	10D0590	42S0023 - CAP 4.7 PF NPO SMD	1.00	EACH	C21	21CC847
....4	200	10D0590	42L0136 - CAP 470 UF 16 V RADIAL ALUM	1.00	EACH	C5	ME-208-16V470
....4	210	10D0590	42S0002 - CAP 1000 PF 5% NPO SMD 0805	5.00	EACH	C2, 4, 10, 15, 22	0805CG102J0B20
....4	220	10D0590	42S0005 - CAP 100 PF 5% NPO SMD	4.00	EACH	C1, 11, 17, 20	C0805C101J1GACTU
....4	230	10D0590	42S0011 - CAP 15 PF NPO SMD 0805	1.00	EACH	C16	C0805C150K1GACTTU
....4	240	10D0590	42S0039 - CAP 56 PF NPO SMD 5%	1.00	EACH	C12	0805 CS
....4	250	10D0590	42S0073 - CAP 18 PF NPO 5% CER	1.00	EACH	C6	0805
....4	260	10D0590	42S0076 - CAP 27 PF NPO SMD +/- 5%	1.00	EACH	C18	08051A270JAT2A
....4	270	10D0590	42S0094 - CAP 5.6 PF NPO SMD 5%	1.00	EACH	C19	0805
....4	280	10D0590	42S0151 - CAP 0.1 UF 50 V SMD 0805	4.00	EACH	C3, 8, 9, 14	C0805C104K5RACTU
....4	300	10D0590	42V0084 - CAP 5-30 PF VARIABLE YELLOW	2.00	EACH	C7, 13	24AA023
....4	310	10D0590	43I0027 - IC RF AMP TO39	1.00	EACH	U1	MWA230
....4	320	10D0590	44S0008 - TRANSISTOR SWITCHING NPN	1.00	EACH	Q3	MMBT2484LT1 - [1U]
....4	330	10D0590	44S0121 - TRANSISTOR RF SMD SOT23 MOTOROLA ONLY	2.00	EACH	Q1, 2	MMBTH10L - [3EM]
....4	340	10D0590	44T0005 - TRANSISTOR RF VHF	1.00	EACH	Q5	MRF227
....4	350	10D0590	44T0136 - TRANSISTOR MOSFET P-CHL TO39	1.00	EACH	Q4	VP2206N2
....4	360	10D0590	55C0006 - COIL 6.8 UH	2.00	EACH	L2, 5	IM-2-6.8
....4	370	10D0590	55C0008 - COIL 0.1 UH	1.00	EACH	L1	IM2-0.1
....4	380	10D0590	63Z0005 - BEAD FERRITE RF	1.00	EACH	1 PAIR	TUBS3.7/1.2/3.5-3B1
....4	390	10D0590	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
....4	400	10D0590	86Z0022 - INSULATOR TRANSISTOR PAD	3.00	EACH		43-05-1
....3	30	10D0251	10D0714 - MSRY RF SWITCH	1.00	EACH		10D0714
....4	10	10D0714	19C0714 - SCHEMATIC MSRY RF SWITCH	0.00	SDWG	REFERENCE ONLY	
....4	20	10D0714	20C0714 - MSRY RF SWITCH PCB BLANK	1.00	EACH	PCB-1	
....4	30	10D0714	22C0714 - MSRY RF SWITCH	0.00	ADWG	REFERENCE ONLY	
....4	40	10D0714	44S0069 - DIODE 70 V 10 MA SOT23 SMD	1.00	EACH	D1	MMBD914LT1 - [5D]
....4	50	10D0714	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	4.00	EACH		I0-15
....4	60	10D0714	99Z0036 - RELAY 5 V FORM C	1.00	EACH		R56S-5D.5-6
....3	40	10D0251	10D0715 - MSRY MICRO PROCESSOR	1.00	EACH		10D0715
....4	10	10D0715	19C0715 - SCHEMATIC MSRY MICRO PROCESSOR	0.00	SDWG	REFERENCE ONLY	
....4	30	10D0715	22C0715 - MSRY MICRO PROCESSOR	0.00	ADWG	REFERENCE ONLY	
....4	40	10D0715	41K3019 - POT 10 K 22 TURN	1.00	EACH	R4	3299W-1-103
....4	50	10D0715	41P2010 - RES 1.0 MEG 1/8 W CF RES PACK SIP6	1.00	EACH	R28	CSC06A-01-105G

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	60	10D0715	41S8039 - RES 100 OHM 1/10 W 5%	1.00	EACH	R23	CRCW0805101JT
....4	70	10D0715	41S8043 - RES 150 OHM SMD 1/10 W 5%	1.00	EACH	R2	CRCW0805150RJNEA
....4	80	10D0715	41S8055 - RES 470 OHM SMD 1/10 W 5%	1.00	EACH	R57	CRCW0805471JT
....4	90	10D0715	41S8063 - RES 1.0 K SMD 1/10 W 5%	1.00	EACH	R12	CRCW0805102JT
....4	100	10D0715	41S8079 - RES 4.7 K 1/10 W CF 5%	1.00	EACH	R32	CRCW0805472JT
....4	110	10D0715	41S8080 - RES 5.1 K SMD 0805 1/10W 5%	2.00	EACH	R1, 5	0805
....4	120	10D0715	41S8087 - RES 10 K SMD 1/10 W 5%	6.00	EACH	R8, 34, 35, 44, 45, 58	CRCW0805103JT
....4	130	10D0715	41S8094 - RES 20 K SMD 1/10 W 5%	2.00	EACH	R3, 43	0805
....4	140	10D0715	41S8098 - RES 30 K SMD 1/10 W 5%	1.00	EACH	R39	0805
....4	150	10D0715	41S8103 - RES 47 K SMD 1/10 W 5%	4.00	EACH	R7, 51, 53, 55	CRCW0805473JT
....4	160	10D0715	41S8106 - RES 62 K SMD 1/10 W	1.00	EACH	R40	0805
....4	170	10D0715	41S8111 - RES 100 K SMD 1/10 W 5%	8.00	EACH	R11, 19, 22, 48, 50, 52, 54, 56	CRCW0805104JT
....4	180	10D0715	41S8112 - RES 110 K 1/10 W SMD 5%	3.00	EACH	R36-38	0805
....4	190	10D0715	41S8113 - RES 120 K SMD 1/10 W 5% 0805	1.00	EACH	R41	0805
....4	200	10D0715	41S8118 - RES 200 K SMD 1/10 W 5%	2.00	EACH	R6, 10	0805
....4	210	10D0715	41S8120 - RES 240 K 1/10 W SMD 5% 0805	1.00	EACH	R42	0805
....4	220	10D0715	41S8121 - RES 270 K SMD 1/10 W 5%	1.00	EACH	R47	CRCW0805274JT
....4	230	10D0715	41S8135 - RES 1.0 MEG SMD 1/10 W 5%	12.00	EACH	R9, 17, 18, 20, 21, 25-27, 29, 30, 31, 46	CRCW0805105JT
....4	240	10D0715	41S8140 - RES 1.6 MEG 1/10 W 5%	1.00	EACH	R49	RK73B2ALTD165J
....4	250	10D0715	41S8147 - RES 3.3 MEG 1/10 W 5% SMD	1.00	EACH	R13	CRCW0806335JT
....4	260	10D0715	41S8148 - RES 3.6 MEG SMD 1/10 W 5%	1.00	EACH	R15	CRCW08053M60JNEA
....4	270	10D0715	41S8159 - RES 10 MEG 1/10 W SMD 5%	2.00	EACH	R16, 24	CRCW0805106JT
....4	280	10D0715	41T3030 - POT TRIM 100 K SMD	1.00	EACH	R33	3314G-1-104E
....4	290	10D0715	41T3136 - POT 1 MEG SMD	1.00	EACH	R14	3314G-1-105E
....4	300	10D0715	42K0179 - CAP 10 UF 25 V ELEC RADIAL	1.00	EACH	C6	226A100P025XX
....4	310	10D0715	42L0214 - CAP 100 UF 25 V 20% RADIAL ALUM	1.00	EACH	C2	KME25VB101M6X11LL
....4	320	10D0715	42S0002 - CAP 1000 PF 5% NPO SMD 0805	3.00	EACH	C12, 14, 23	0805CG102J0B20
....4	330	10D0715	42S0003 - CAP 1.0 UF SMD TANT "A" 3216 16 V 10%	1.00	EACH	C32	TAJA105K016R+
....4	340	10D0715	42S0005 - CAP 100 PF 5% NPO SMD	2.00	EACH	C7, 9	C0805C101J1GACTU
....4	350	10D0715	42S0008 - CAP 39 PF NPO SMD	1.00	EACH	C24	08051A390JAT2A
....4	360	10D0715	42S0009 - CAP 22 PF NPO SMD 5% 0805 PKG	2.00	EACH	C18, 19	VJ0805A220JXBCW1BC
....4	370	10D0715	42S0028 - CAP 470 PF NPO SMD 5%	1.00	EACH	C22	08051A471JAT2A
....4	380	10D0715	42S0029 - CAP 0.01 UF10% X7R	0.00	EACH	C4 - Do not install	VJ0805Y103KXBCW1BC
....4	390	10D0715	42S0151 - CAP 0.1 UF 50 V SMD 0805	20.00	EACH	C1, 3, 5, 8, 11, 13, 15-17, 20, 21, 25-31, 33, 34	C0805C104K5RACTU
....4	400	10D0715	42S0252 - CAP 2.2 UF 16 V TANT A CASE	1.00	EACH	C10	0805
....4	410	10D0715	43I0007 - IC VOLTAGE REG 5 V TO92	1.00	EACH	U1	S-812C50AY-B-G

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
....4	420	10D0715	43R0004 - IC REG 2.5 V TO92 CASE	1.00	EACH	D11	LM285Z-2.5
....4	430	10D0715	43S0009 - IC FLIP FLOP DUAL SMD	2.00	EACH	U3, 6	MC14013BDR2
....4	440	10D0715	43S0018 - IC COUNTER CMOS SMD	1.00	EACH	U4	MC14541BD
....4	450	10D0715	43S0074 - IC QUAD NOR GATE SMD	1.00	EACH	U5	MC14001BD
....4	460	10D0715	43S0109 - IC QUAD NAND GATE SMD 14-SOIC	1.00	EACH	U2	MC14093BDR2
....4	470	10D0715	43S0129 - IC QUAD SWITCH SMD	1.00	EACH	U9	MC14066BD
....4	480	10D0715	43S0214 - IC DUAL OPAMP SOIC8	1.00	EACH	U8	TLC27M2ID
....4	490	10D0715	43S0280 - IC MICRO PLCC52 SMD	1.00	EACH	U7	MC68HC711E9CFN2
....4	500	10D0715	43S0283 - IC RS 232 DRIVER RCVR SMD	1.00	EACH	U10	MAX222EWN
....4	510	10D0715	43S0300 - IC VOLT MONITOR SMD SOIC8	1.00	EACH	U11	MAX700ESA
....4	520	10D0715	44D0139 - DIODE 3 AMP SCHOTTKY 1N5820	2.00	EACH	D1, 2	1N5820
....4	530	10D0715	44K0137 - DIODE BRIDGE RECT 1 AMP 200 V	1.00	EACH	BR1	DB103
....4	540	10D0715	44S0008 - TRANSISTOR SWITCHING NPN	6.00	EACH	Q2, 3, 5, 7, 9, 12	MMBT2484LT1 - [1U]
....4	550	10D0715	44S0069 - DIODE 70 V 10 MA SOT23 SMD	6.00	EACH	D4, 5, 7-10	MMBD914LT1 - [5D]
....4	560	10D0715	44S0108 - DIODE DUAL SWITCH SOT23 SMD	2.00	EACH	D3, 6	MMBD7000LT1 - [M5C]
....4	570	10D0715	44T0012 - TRANSISTOR DARLINGTON NPN TO92	2.00	EACH	Q10, 11	MPSA13
....4	580	10D0715	44T0017 - TRANSISTOR PNP T0220	1.00	EACH	Q1	TIP-30
....4	590	10D0715	44T0063 - TRANSISTOR FET P CHANNEL TO92	3.00	EACH	Q4, 6, 8	VP0104N3
....4	600	10D0715	61Z0250 - SOCKET DIP 16 PIN	1.00	EACH	J1	2-640358-4
....4	620	10D0715	61Z0489 - CONN 25 PIN R/A D-SUB AMP	1.00	EACH	P4 - Was J2	747238-3
....4	630	10D0715	64Z0095 - XTAL 8 MHZ PARA/@CUT 20PF	1.00	EACH	Y1	CTX082-ND
....4	640	10D0715	85Z0031 - SPACER, 10 X 0.186 OD X 0.122 LG	5.00	EACH		I0-15
....4	650	10D0715	98Z0070 - SWITCH MERCURY	0.00	EACH	S1 - Do not install	CA20-S0
....4	660	10D0715	98Z0074 - SWITCH TILT OVER, MERCURY	1.00	EACH	S2	CM1491-1
....4	670	10D0715	99Z0046 - RELAY	1.00	EACH	K1	G6EK134PSTUSDC3
...3	50	10D0251	10D0818 - MSRY 16 PIN INTERCONNECT CABLE	1.00	EACH		
....4	10	10D0818	61Z0005 - CONN 16 COND	2.00	EACH		CWR-130-16-0000
....4	20	10D0818	89Z0016 - CABLE 3M 16 CONDUCTOR	3.00	IN		Made from 89Z0017
...3	60	10d0251	11A0425 - MSRY ADAPTER PLATE	1.00	EACH		11A0425
...3	70	10D0251	14A0356 - XMTR MSRY ENCLOSURE ALODINED	1.00	EACH		
....4	10	14A0356	11C0356 - HOUSING FOR RS232 ALUM	1.00	EACH		11C0356
...3	80	10D0251	14A0356-1 - LID TX MSRY ALODINED	1.00	EACH		
....4	10	14A0356-1	11C0356-1 - LID TX MSRY	1.00	EACH		11C0356-1
...3	90	10D0251	14A0356-2 - XMTR LID ALODINED	1.00	EACH		
....4	10	14A0356-2	11C0356-2 - XMTR LID	1.00	EACH		11C0356-2
...3	95	10D0251	18C0188 - MSRY TRANSMITTER WIRING	0.00	WDW	REFERENCE ONLY	18C0188
...3	100	10D0251	61Z0150 - CONN BNC-RF	2.00	EACH		31-221
...3	110	10D0251	71Z0047 - SCREW 4-40 X 1/4" BINDING HD	4.00	EACH		18-8 SS

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
...3	120	10D0251	71Z0079 - SCREW 2-56 X 3/16 PHILLIPS FLAT HD SS	15.00	EACH		
...3	130	10D0251	71Z0080 - SCREW 2-56 X 5/16" PHILLIPS HD	17.00	EACH		0205MPPS
...3	140	10D0251	71Z0082 - SCREW 2-56 X 3/16 PHILLIPS PAN HD	16.00	EACH		2-56X3/16 PHILLIPS PN HD
...3	150	10D0251	71Z0207 - SCREW 2-56 X 1/4 PHILLIPS PAN HD SS TYPE F	4.00	EACH		
...3	160	10D0251	83Z0080 - WIRE RETAINING FOAM SQUARE 1" X 1" X .5"	4.00	EACH		Made from 83Z0078
...3	170	10D0251	89Z0009 - WIRE 22 TFL.19 STDWHITE	6.00	IN		MIL-W-16878/4B
...3	180	10D0251	89Z0044 - WIRE 22 TEFLON 19 STD ORANGE	6.00	IN		MIL-W16878/6B
...3	190	10D0251	89Z0045 - WIRE 22 TEFLON 19 STD YEL	6.00	IN		M16878/6-BFE-4
...3	200	10D0251	89Z0050 - WIRE 22 TEFLON 19 STD VIOLET	6.00	FT		MIL-W-16878/6B
...3	210	10D0251	89Z0142 - WIRE COAX CABLE RG-178B/U	1.00	FT		83265
..2	30	10D0245	10D0808 - CABLE MSRY INTERCONNECT	1.00	EACH		10D0808
...3	3	10d0808	10D0810 - CABLE MSRY B4 to SW-3	1.00	EACH		10D0810
....4	5	10D0810	18A0204 - MSRY WIRE B4 TO SW-3	0.00	EACH	REFERENCE ONLY	
....4	10	10D0810	62Z0046 - DISCONNECT TERM FEMALE NYLON	1.00	EACH		RC-10-250F
....4	20	10D0810	89Z0044 - WIRE 22 TEFLON 19 STD ORANGE	15.00	IN		MIL-W16878/6B
...3	5	10d0808	10D0811 - CABLE MSRY B1 to COM	1.00	EACH		10D0811
....4	5	10D0811	18A0202 - MSRY WIRE B1 TO COM	0.00	EACH	REFERENCE ONLY	
....4	10	10D0811	62Z0046 - DISCONNECT TERM FEMALE NYLON	1.00	EACH		RC-10-250F
....4	20	10d0811	62Z0054 - RING TONGUE TERMINAL #14	0.00	EACH	(not used)	T-20
....4	30	10D0811	89Z0025 - WIRE 20 TEFLON 19 STD BLACK	4.00	IN		MIL-W-16878/4B
...3	7	10D0808	18A0808 - ASSY. MSRY 2 PIN MOLEX CONN.	0.00	WDW	REFERENCE ONLY	
...3	10	10D0808	61Z0428 - CONN 25 PIN D-SUB FEMALE	1.00	EACH	J4	DB-25S
...3	20	10D0808	61Z0491 - CONN 9 PIN D-SUB FEMALE SOLDER CUP DB9F	1.00	EACH	J3	747905-2
...3	30	10D0808	61Z0494 - CONN 2 PIN MALE	1.00	EACH	SP	03-09-1022
...3	40	10D0808	61Z0500 - CONN FEMALE PIN	2.00	EACH	SP	02-09-1104
...3	55	10D0808	84Z0032 - TYRAP, BLACK NYLON CBL TIE	19.00	EACH		PLT-7M-M0
...3	60	10D0808	89Z0009 - WIRE 22 TFL.19 STDWHITE	20.00	IN	= 6", 14"	MIL-W-16878/4B
...3	70	10D0808	89Z0022 - WIRE 22 AWG 19 STD TFL BLUE MIL-W-16878/4B	1.67	FT	= 6", 14"	m16878/4
...3	80	10D0808	89Z0023 - WIRE 22 TEFLON 19 STD RED	0.42	FT	= 5"	MIL-W-16878/6-BFE-2
...3	90	10D0808	89Z0024 - WIRE 22 TEFLON 19 STD BROWN	0.42	FT	= 5"	MIL-W-16878/6B
...3	100	10D0808	89Z0039 - WIRE 22 TEFLON 19 STD BLK	6.00	FT	= 8" (2), 10" (2), 12" (3)	MIL-W-16878/6
...3	120	10D0808	89Z0044 - WIRE 22 TEFLON 19 STD ORANGE	4.75	FT	= 5" (1), 8" (2), 11" (2), 14" (1)	MIL-W16878/6B
...3	130	10D0808	89Z0045 - WIRE 22 TEFLON 19 STD YEL	19.00	IN	= 5", 14"	M16878/6-BFE-4
...3	140	10D0808	89Z0050 - WIRE 22 TEFLON 19 STD VIOLET	1.17	FT	= 14"	MIL-W-16878/6B
...3	150	10D0808	89Z0169 - HEAT SHRINK, 1/16" WALL, BLACK	0.75	FT	= 0.5" (18 ea.)	HSTT06-48-Q
..2	70	10D0245	10D0812 - CABLE MSRY B2 to B3	1.00	EACH		10D0812
...3	5	10D0812	18A0203 - MSRY WIRE B2 TO B3	0.00	EACH	REFERENCE ONLY	

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
...3	10	10D0812	62Z0046 - DISCONNECT TERM FEMALE NYLON	2.00	EACH		RC-10-250F
...3	20	10D0812	89Z0186 - WIRE 16 AWG ORANGE	3.00	IN		
..2	80	10D0245	10D0813 - CABLE BNC COAX INTERCONNECT 9"	1.00	EACH		10D0813
...3	10	10D0813	22A0601 - P/P COAX W/BNC	0.00	ADWG	REFERENCE ONLY	
...3	20	10D0813	61Z0282 - CONN BNC CABLE RG58	2.00	EACH		31-202
...3	30	10D0813	89Z0163 - WIRE COAX CABLE RG58U	0.75	FT	= 9"	8259
..2	90	10D0245	10D0864 - CABLE BNC COAX INTERCONNECT 6"	1.00	EACH		
...3	10	10D0864	22A0601 - P/P COAX W/BNC	0.00	ADWG	REFERENCE ONLY	
...3	20	10D0864	61Z0282 - CONN BNC CABLE RG58	2.00	EACH		31-202
...3	30	10D0864	89Z0163 - WIRE COAX CABLE RG58U	0.50	FT	= 6"	8259
..2	110	10D0245	11B0444 - BATT STRAP MSRY	1.00	EACH		11B0444
..2	120	10D0245	14S0423 - MSRY PANEL MOUNTING - SILKSCREENED	1.00	EACH		
...3	10	14S0423	11C0423 - MSRY PANEL MOUNTING	1.00	EACH		11C0423 REV D
..2	130	10D0245	18C0176 - MSRY INTERCONNECT	0.00	WDW	REFERENCE ONLY	18C0176
..2	140	10D0245	44K0091 - LED DIODE RED HIGH INT	1.00	EACH	SL	HLMP-3750
..2	150	10D0245	61Z0491 - CONN 9 PIN D-SUB FEMALE SOLDER CUP DB9F	1.00	EACH	J2	747905-2
..2	155	10D0245	62Z0079 - RING TERMINAL 12-10 AWG #8	1.00	EACH	COM	10RC-8
..2	160	10D0245	68Z0023 - LED HOLDER	1.00	EACH		
..2	170	10D0245	68Z0023-1 - LED HOLDER RING	1.00	EACH		
..2	180	10D0245	70Z0029 - BATTERY 4.0 V, 4.5 AH	2.00	EACH		PS-445
..2	190	10D0245	71Z0047 - SCREW 4-40 X 1/4" BINDING HD	2.00	EACH		18-8 SS
..2	200	10D0245	71Z0194 - SCREW CONNECTOR KIT D-SUB	1.00	EACH		205817-1
..2	210	10D0245	71Z0196 - SCREW 6-32 X 3/8 SLOTTED BINDING HD MACH SS	8.00	EACH		
..2	215	10D0245	71Z0199 - SCREW 6-32 X 1/4 SLOTTED BINDING HD MACH SS	8.00	EACH		0604MSBS
..2	220	10D0245	71Z0244 - SCREW 8-32 X 1/4 PHILLIPS PAN HD SS	6.00	EACH	BATTERY PLATE	
..2	225	10D0245	72Z0067 - WASHER #8,INT.TOOTH SS	6.00	EACH	BATTERY PLATE	
..2	230	10D0245	72Z0094 - WASHER #8 SPLIT RING	5.00	EACH	BATTERY PLATE	
..2	240	10D0245	72Z0095 - WASHER.4400DX.172IDX.048T SS	0.00	EACH		MS15795-841
..2	250	10D0245	83Z0083 - FOAM BATTERY CUSHION, ROLL 3/16" X 1.5" X 30 FOOT	0.03	ROLL		02352
..2	255	10D0245	89Z0199 - TUBING HEAT SHRINK 3/16" BLACK	0.04	FT	= 0.5"	HHSTM19-48-Q
..2	260	10D0245	98Z0101 - SWITCH PUSH BUTTON	1.00	EACH	PB	3005045020707
..2	270	10D0245	98Z0102 - SWITCH TOGGLE	1.00	EACH	SW	MTG106D
..1	30	13D0243	13D0229-1 - 12V PSEC-AC ADAPTER 2 PIN	1.00	EACH		13D0229-1
..2	5	13D0229-1	22A0012-1 - 12V PSEC - 2 PIN ASSY.	0.00	ADWG	REFERENCE ONLY	
..2	6	13D0229-1	29Z0847 - PSEC PRE-POT / FINAL TEST PROCEDURE	0.00	DOC	REFERENCE ONLY	
..2	7	13D0229-1	30F0027 - PSEC PRODUCT FLOWCHART	0.00	DOC	REFERENCE ONLY	

Indented BOM:**Exploded Item Code : 13D0243 MSRY RELAY 138-174 MHZ**

[IndentedBOM]

Level	Line	Item Code	QPN - Description	Quantity Per	UOM	Reference Designator	Mfr Part Nbr
..2	8	13D0229-1	30P0199 - CABLE ASSEMBLY POTTING PROCEDURE	0.00	DOC	REFERENCE ONLY	
..2	10	13D0229-1	61Z0272 - CONN 2 PIN MATING FEMALE	1.00	EACH		PT06P-8-2S
..2	25	13D0229-1	84Z0032 - TYRAP, BLACK NYLON CBL TIE	1.00	EACH		PLT-7M-M0
..2	27	13D0229-1	89Z0199 - TUBING HEAT SHRINK 3/16" BLACK	0.08	FT	1.00 "	HHSTM19-48-Q
..2	30	13D0229-1	90Z0014 - POWER SUPPLY 95-220VAC	1.00	EACH		M42012-760
.1	40	13d0243	24C0008 - MSRY SOFTWARE - SFTWR-3	1.00	EACH		MSRYPROGRAMMER.exe
.1	50	13d0243	28A0125 - MSRY LABEL	1.00	EACH		
.1	60	13d0243	28A0217 - MSRY MNT PANEL LABEL INSTRUCTION	0.00	DOC	REF ONLY	
.1	70	13d0243	29Z0791 - MSRY LB FINAL TEST	0.00	EACH	REF ONLY	
.1	80	13d0243	29Z0797 - MSRY BATTERY RECHARGE TEST	0.00	DOC	REF ONLY	
.1	90	13d0243	30A0243 - MSRY ASSEMBLY PROCEDURE	0.00	DOC	REF ONLY	
.1	100	13d0243	30Z0136 - MAN RELAY	1.00	DOC		RELAY_F.doc
.1	110	13d0243	56Z0007 - ANTENNA 1/2 WAVE CENTER CUT TO 146 MHZ	1.00	EACH		KD142MHWBLK146
.1	120	13d0243	61Z0439 - CONN 31-209	1.00	EACH		31-209
.1	130	13d0243	71Z0196 - SCREW 6-32 X 3/8 SLOTTED BINDING HD MACH SS	10.00	EACH		
.1	140	13d0243	87Z0025 - POLYETHYLENE YELLOW PROTECTIVE CAP EP-	1.00	EACH		
.1	150	13d0243	87Z0026 - POLYETHYLENE YELLOW PROTECTIVE CAP EP-	1.00	EACH		
.1	160	13d0243	89Z0193 - 9 PIN DSUB MALE TO 9 PIN DSUB FEMALE 6FT RS232 CABLE	1.00	EACH		26-117