















	Description	Designator	Footprint	LibRef	Quantity
796136-1	Battery Connector, 1 Cell, CR2032, 2-Pin	BT1	TECO-796136-1_V	CMP-1684-00006-2	1
	SMD, RoHS, Tape and Reel		EP.		
100uF	CAP ALUM 100UF 20% 50V SMD	C1	UWT1H101MINL1GS- MFG	CMP-2000-07373-2	
1000uF	CAP ALUM POLY 1000UF 20% 16V SMD	C2	FP-SVPF-F12-MFG	CMP-05427-000075-1	
100uf	CAP ALUM 100UF 20% 10V SMD	C3	FP-SC-MFG	CMP-05427-000047-1	
	Chip Multilayer Ceramic Capacitors		FP-GRM21B-0_1-		
10uF	for General Purpose, 0805, 10uF, X5R, 15%,	C4, C6, C30, C32	FP-GRM21B-0_1- IPC_C	CMP-2007-03453-2	
1uF	10%, 16V CAP TANT 1UF 10%	C5	FP-T491A105K016AT-	CMP-2000-07186-2	
	16V 1206 CAP CER 0.1UF 50V	C7, C8, C9, C13, C19,	MFG		
0.1uF	X7R 0905	C20, C21, C22, C23, C29, C31, C33	FP-C0805C-DN-MFG CAPC2013X70X45NL1	CMP-2007-00279-2	
1nF	CAP CER 0.1UF 50V	C10, C11, C12	0T25	CMP-2007-00866-1	
15pF	X7R 0805 CAP CER 0.1UF 50V	C14, C15	FP-C0805C-DN-MFG	CMP-2007-00279-2	
10nF	X7R 0805 CAP CER 0.1UF 50V	C16, C25	FP-C0805C-DN-MFG	CMP-2007-00279-2	
1uF	X7R 0805 CAP CER 0.1UF 50V	C17, C26	FP-C0805C-DN-MFG	CMP-2007-00279-2	
100nF	X7R 0905 CAP CER 0.1UF 50V	C18	FP-C0805C-DN-MFG FP-C0805C-DN-MFG	CMP-2007-00279-2	
4.7uF	X7R 0805	C24 C27, C28	CAPC2013K70X45NL1	CMP-2007-00279-2 CMP-2007-00866-1	
	Rectifier, 1Kv, 1A, Do-		0T25 FP-1N4007_SMD-		
1N4007 SMD	214Ac Rohs Compliant: Yes	D1	IPC_C	CMP-12389-000001-1	
APT2012MGC	LED GREEN CLEAR CHIP SMD	D2, D4, D5	FP-APT2012MGC- MFG	CMP-44529-000017-1	
1N5822US	Schottky Barrier Rectifier, 3 A, 0.4 V,	D3	MCSM-D-58-2_L	CMP-2000-07610-1	
	65 to 150 degC, 2-Pin MELF (D-5B), Bulk				
1.5A	FUSE BOARD MINT 1.5A 350VAC 72VDC FUSE BOARD MINT	F1	FP-0679H-MFG	CMP-16042-000005-1	
20A	FUSE BOARD MINT 20A 125VAC 100VDC CONN HEADER R/A	F2	FP-0456-MFG	CMP-08605-000068-1	
22-05-7038	CONN HEADER R/A 3POS 2.54MM MCRF, PCB Vertical	J Ext Temp	FP-22-05-7038-MFG	CMP-04776-000076-1	ļ
73412-0110	Jack Receptacle, 50 Ohm, 4-Pin SMD, RoHS, Tape and Reel	J GPS 1, J LoRa 1	MOLX-73412-0110_V	CMP-1676-00003-1	
63525-1	CONN QC TAB 0.187 SOLDER	Jin-, Jin+	FP-63525-1-MFG	CMP-03355-000019-1	
OR .	RES 0 OHM JUMPER 1/8W 0905	JR1, JR2, JR3, JR4, JR6, JR7	FP-RMCF0805-MFG	CMP-26527-000017-1	
NC	RES 0 OHM JUMPER 1/8W 0806 SMD-Shielded Power	JRS	FP-RMCF0805-MFG	CMP-26527-000017-1	
150 µH	Inductor WE-PD 1 =	L1	WE-PD-XL	CMP-0227-00206-1	
RFM95W-868S2	150 µH RX TXRX MODULE ISM	MD1	FP-RFM95W-868S2-	CMP-204316-000001-	
LISART Interface Port	× 1GHZ SMD	P1	MFG JST-S4B-XH- A(LF)(SN)_V	1 CMP-1755-00007-1	
-ITSW-102-07-G-D	CONN HEADER VERT 4POS 2.54MM	P2	FP-HTSW-102-07-G-D- MFG	CMP-02766-000010-1	
	Male Top Locking Header WR-WTB, THT, Right Angled,	P3	61900219521	CMP-1502-00599-1	
Power in	pitch 2.54 mm, 1 x 2 position	P3	61900219521	UMP-1502-00599-1	
330R	RES Thick Film, 2.940, 1%, 0.125W, 100ppm/°C, 0805	R1, R8, R9	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	
5.6K	RES Thick Film, 2.940, 1%, 0.125W,	R2, R3, R4, R5	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	
510K	100ppm/°C, 0805 RES Thick Film, 2.94Ω, 1%. 0.125W.	R6	FP-CRCW0805-e3-	CMP-02407-004193-1	
siuk	100ppm/°C, 0805 RES Thick Film, 2.940,	ND	MFG	CMP-02407-004193-1	
30K	1%, 0.125W, 100ppm/*C, 0805	R7	FP-CRCW0805-e3- MFG	CMP-02407-004193-1	
	RES Thick Film, 2.94Ω, 1%, 0.125W,	R10	FP-CRCW0906-e3-	CMP-02407-004193-1	
OR .	100ppm/°C, 0905		MFG FP-CRCW0805-e3-		
OR .	RES Thick Film, 2.94Ω,			CMP-02407-004193-1	
	RES Thick Film, 2.940, 1%, 0.125W, 100ppm/*C, 0805	R11, R12, R13, R14, R15, R16, R17, R18	MFG	CMF-02407-004193-1	
10K	RES Thick Film, 2.940, 1%, 0.125W, 100ppm/*C, 0805 MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20	R11, R12, R13, R14, R15, R16, R17, R18	MFG MOLX-473521001_V	CMP-2000-05848-1	
10K 473521001	RES Thick Film, 2.940, 1%, 0.125W, 100ppm/*C, 0805 MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 degC, RoHS,	R15, R16, R17, R18	MOLX-473521001_V	CMP-2000-05848-1	
10K 473521001	RES Thick Film, 2.940, 1%, 0.125W, 100ppm/*C, 0805 MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 degC, RoHS, Tape and Reel SWITCH SLIDE DIP SPST 25MQ 24V	R15, R16, R17, R18	MOLX-473521001_V FP-A6H-2102-MFG		
10K 173521001 A6H-2102 M2576-5.0WU	RES Thick Film, 2-940, 1%, 0.125W, 100ppm/rC, 0805 MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 degC, RoHS, Tape and Reel SWITCH SLIDE DIP SPST 25MA 24V IC REG BUCK 5V 3A TO263-5	R15, R16, R17, R18	MOLX-473521001_V	CMP-2000-05848-1	
10K 473521001 A6H-2102 LM2576-5.0WU	RES Thick Film, 2.940, 156, 0.125W, 100ppm/*C, 0805 MicroSD (TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 degC, RoHS, Tape and Reel SWITCH SLIDE DIP SPST 25MA 24V TOXAS-5 300mA Low-Dropout Unear Regulator, 4-	R15, R16, R17, R18 SD1 SW1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0263-5LD-PL-1	CMP-2000-05848-1 CMP-08827-000068-1	
10K 473521001 A6H-2102 LM2576-5.0WU	BRS Thick Film, 2-94Q, 19%, 0.125W, 100pm/rC, 0.005 MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 deg., 0.80 Lage and Reel SWITCH SLIDE DIP SSYT 25M 24W CR EG BUCK SV 3A TO264-35 SID SUITCH SLIDE DIP SSY 25M 24W CR EG BUCK SV 3A TO264-35 SID SUITCH SLIDE DIP SSY 25M 25M 26W CR EG BUCK SV 3A TO264-35 SID SUITCH SLIDE DIP SSY 25M 25M 26W CR EG BUCK SV 3A TO264-35 SID SUITCH SLIDE DIP SSY 25M 25M 26W 25	R15, R16, R17, R18 SD1 SW1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0263-5LD-PL-1- MFG	CMP-2000-05848-1 CMP-08827-000068-1 CMP-06325-000018-1	
10K 473521001 A6H-2102 LM2576-5.0WU LM1117iMP- 3.3/NOP8	RSS Thick Film. 2-940, 198, 0.125W, 100-pm/1C, 0805 Mercs 50 (TM), Pittch 1.1 mm, 8 Postition, 11-mm, 8 Postition, 11-mm, 8 Postition, 11-mm, 8 Postition, 10-16 Std-662, Rocks, 12-mm, 20-16	R15, R16, R17, R18 SD1 SW1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0263-5LD-PL-1- MFG	CMP-2000-05848-1 CMP-08827-000068-1 CMP-06325-000018-1	
10K 473521001 A6H-2102 LM2576-5.0WU LM1117iMP- 3.3/NOP8	8RS Thick Film, 2-940, 198, 0.125W, 100-pm/1C, 0.005 McroSQU(TM), Pilich 1.1 mm, 8 Position, McroSQU(TM), Pilich 1.1 mm, 8 Position, 1.2 mm, 2.0 to 85 degC, RockS, 100-pm, 2.0 to 85 degC	R15, R16, R17, R18 SD1 SW1 U1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0283-SLD-PL-1- MFG DCY0004A_N	CMP-0000-05848-1 CMP-08827-000068-1 CMP-06325-000018-1 CMP-0062-01631-4	
10K 473521001 A6H-2102 LM2576-5.0WU LM1117iMP- 3.3/NOP8	86S Thick Film, 2-940, 195, 0.1259, 2.940, 195, 0.1259, 100ppm/C, 0.005 McroSD(1/fb, Pitch 1.1 mm, 8-Position, 1-1 mm, 8-Posit	R15, R16, R17, R18 SD1 SW1 U1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0283-SLD-PL-1- MFG DCY0004A_N	CMP-0000-05848-1 CMP-08827-000068-1 CMP-06325-000018-1 CMP-0062-01631-4	
10K 473521001 A44+2102 LM2576-5.0MU LM2576-5.0MU LM2576-5.0MU	86S Thick Film, 2-940, 195, 0.12594, 195, 0.12594, 195, 0.12594, 1100-pm/*C, 0.005 McroSQU(TM, Pitch 1.1 mm, 8-Position, 1-1 mm, 8-Position, 1-1 page and fixed SW (TM, Pitch 1.2 mm, 2-0 to 85 degC, Roick 1.2 page and fixed SW (TM, SW (TM, Pitch 1.2 page and fixed SW (TM, SW (TM, Pitch 1.2 page and fixed SW (TM, Pitch 1.2 page an	R15, R16, R17, R18 SD1 SW1 U1 U2	MOLX-473521001_V FP-A6H-2102-MFG FP-T0263-SLD-PL-1- MFG DCY0004A_N ADI-R-8_M	CMP-2000-05848-1 CMP-08827-000068-1 CMP-06225-000018-1 CMP-0062-01631-4 CMP-0784-00133-1	
10K 473521001 A44+2102 LM2576-5.0MU LM2576-5.0MU LM2576-5.0MU	86S Thick Film. 2-940, 195, 0.125W, 1025W, 1	R15, R16, R17, R18 SD1 SW1 U1	MOLX-473521001_V FP-A6H-2102-MFG FP-T0283-SLD-PL-1- MFG DCY0004A_N	CMP-0000-05848-1 CMP-08827-000068-1 CMP-06325-000018-1 CMP-0062-01631-4	
10K 473521001 A6H-2102 LMS78-5.0MU LM1178-P 86F1920SZ	86S Thick Film. 246L (1986). Bill. 1980; Thick Film. 246L (1986). Discount of the control of the	R15, R16, R17, R18 SD1 SW1 U1 U2 U3	MOLX-473521001_V FP-A6H-2102.MFG FP-T026S-9L.P-L-1- MFG DCY0004A_N ADI-R-8_M	CMP-2000-05848-1 CMP-08827-00006-1 CMP-08627-00008-1 CMP-0062-01631-4 CMP-0784-00133-1 CMP-2000-07568-1	
10K 473521001 A6H-2102 A6H-2102 LM117369- LM17369- LM17369- A6S7126LCTR-20A-T	RS Thick ST m. 244CJ. RS Thick ST m. 244CJ. RA (129W. AND CONTROL PRICE TO THE P	R15, R16, R17, R18 S01 SW1 U1 U2 U4	MOUX-479524001_V FP AMI-2700.MFG FP 10263-50.PP. 3- MFG 001000MA_N ADI-R-8_M 00008A_L FP 1026-IPC_C	CMP - 2000 05848 1 CMP - 40827 000006 1 CMP - 40225 000018 1 CMP - 40784 00133 1 CMP - 40784 00133 1	
10K 473521001 A6H-2102 A6H-2102 LM117369- LM17369- LM17369- A6S7126LCTR-20A-T	SS Thick ST m., 244Q.	R15, R16, R17, R18 SD1 SW1 U1 U2 U3	MOLX-473521001_V FP-A6H-2102.MFG FP-T026S-9L.P-L-1- MFG DCY0004A_N ADI-R-8_M	CMP-2000-05848-1 CMP-08827-00006-1 CMP-08627-00008-1 CMP-0062-01631-4 CMP-0784-00133-1 CMP-2000-07568-1	
10K 479521001 A644-2102 A644-2102 A6576-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ	BGS Thick ST m., 2440, M. S. Thick ST m., 2450, M. S. Thick ST m., 2450	R15, R16, R17, R18 5001 5001 UI UI UI UI UI UI UI UI UI U	MOLK-478251001_V FP AM4-2102-MFG FP TOBLE-SLD FP-1- MFG DOTODDA_N ADI-R-R_M DODOBA_L FP LC-8 IPC_C FP LP0000A-MFG	CMP -2000 05648-1 CMP -0000 05648-1 CMP -0002 07008-1 CMP -0002 0703-1 CMP -0002 0703-1 CMP -0000 0704-0 CMP -0000 0704-0 CMP -0000 0705-1 CMP -0000 00001-2 CMP -0000 00001-1	
10K 479521001 A644-2102 A644-2102 A6576-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ	MSC Theis Film, 240L, 1989. MSC Theis Film, 240L, 1989. MSC Theis Film, 240L, 1989. MSC	R15, R16, R17, R18 S01 SW1 U1 U2 U4	MOUX-479524001_V FP AMI-2700.MFG FP 10263-50.PP. 3- MFG 001000MA_N ADI-R-8_M 00008A_L FP 1026-IPC_C	CMP - 2000 05848 1 CMP - 40827 000006 1 CMP - 40225 000018 1 CMP - 40784 00133 1 CMP - 40784 00133 1	
10K 479521001 A644-2102 A644-2102 A6576-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM5776-5.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ AM57776-6.0MJ	NG Theis Film, 24402, NG ST heis Film, 24402, NG ST he	R15, R16, R17, R18 5001 5001 UI UI UI UI UI UI UI UI UI U	MOLK-478251001_V FP AM4-2102-MFG FP TOBLE-SLD FP-1- MFG DOTODDA_N ADI-R-R_M DODOBA_L FP LC-8 IPC_C FP LP0000A-MFG	CMP -2000 05648-1 CMP -0000 05648-1 CMP -0002 07008-1 CMP -0002 0703-1 CMP -0002 0703-1 CMP -0000 0704-0 CMP -0000 0704-0 CMP -0000 0705-1 CMP -0000 00001-2 CMP -0000 00001-1	
100K 4673521001 A6H-2100 LMC576-5_0MU LMT17MeP- 3_2YNOP8 REF192CS2 LMC58MAC/NOP8 ACST12ELCTR.20A-T LMC42Z/NOP8	NG Thick ST m., 2440, N. NG ST Mick ST m., 2440, N. NG ST Mick	R15, R16, R17, R18 5001 5001 UI UI UI UI UI UI UI UI UI U	MODC-479571001_V FP AM4-2702-MG FP TODAS D.PL-1- MGG DOTODOMA_N ADI-R-R_M DOTODOMA_N FP ICE 8 IPC_C FP I-PODDIA_MFG STM-LOFP100_L	CMP -2000 05648-1 CMP -0000 05648-1 CMP -0002 07008-1 CMP -0002 0703-1 CMP -0002 0703-1 CMP -0000 0704-0 CMP -0000 0704-0 CMP -0000 0705-1 CMP -0000 00001-2 CMP -0000 00001-1	
100K 4673521001 A6H-2100 LMC576-5_0MU LMT17MeP- 3_2YNOP8 REF192CS2 LMC58MAC/NOP8 ACST12ELCTR.20A-T LMC42Z/NOP8	RS Thick ST m., 2440, 1 RS THING ST M., 2440, 1 RS THI	815, 816, 817, 818 SD1 SW1 U1 U2 U3 U4 U5	MODC-479571001_V FP AM4-2702-MG FP TODAS D.PL-1- MGG DOTODOMA_N ADI-R-R_M DOTODOMA_N FP ICE 8 IPC_C FP I-PODDIA_MFG STM-LOFP100_L	CMP -2000 05848-1 CMP -2000 05848-1 CMP -08227 000068-1 CMP -08225 000018-1 CMP -0824 00133-1 CMP -2000 07548-1 CMP -2000 07548-1 CMP -2000 00012-2 CMP -0948 000010-1 CMP -2027 00166-3	
10K 473521001 A44+2102 LM2576-5.0MU LM2576-5.0MU LM2576-5.0MU	ASS Theis Firm, 240L, 1989. ASS Theis Firm, 240L, 1999. Monta Official, Pitch 11 time, 8 Persistor 1999. Monta Official, Pitch 11 time, 1999. Monta Official, Pitch 11 tim	815, 816, 817, 818 SD1 SW1 U1 U2 U3 U4 U5	MODC-479571001_V FP AM4-2702-MG FP TODAS D.PL-1- MGG DOTODOMA_N ADI-R-R_M DOTODOMA_N FP ICE 8 IPC_C FP I-PODDIA_MFG STM-LOFP100_L	CMP -2000 05848-1 CMP -2000 05848-1 CMP -08227 000068-1 CMP -08225 000018-1 CMP -0824 00133-1 CMP -2000 07548-1 CMP -2000 07548-1 CMP -2000 00012-2 CMP -0948 000010-1 CMP -2027 00166-3	
100K 4673521001 A6H-2100 LMC576-5_0MU LMT17MeP- 3_2YNOP8 REF192CS2 LMC58MAC/NOP8 ACST12ELCTR.20A-T LMC42Z/NOP8	SS Theis Film, 240L, 1982 Med Sim, 240L 1982 Med Si	815, 816, 817, 818 SD1 SW1 U1 U2 U3 U4 U5	MODC-479571001_V FP AM4-2702-MG FP TODAS D.PL-1- MGG DOTODOMA_N ADI-R-R_M DOTODOMA_N FP ICE 8 IPC_C FP I-PODDIA_MFG STM-LOFP100_L	CMP -2000 05848-1 CMP -2000 05848-1 CMP -08227 000068-1 CMP -08225 000018-1 CMP -0824 00133-1 CMP -2000 07548-1 CMP -2000 07548-1 CMP -2000 00012-2 CMP -0948 000010-1 CMP -2027 00166-3	
100K 80H 2100 80H 2100 100CSTA 5.0MU LMT17MP- 1.27NOP8 8EF192GSZ LMESBMA/NOP8 ACST72ELCTR.20A-T. LMSH27/NOP8 STM2SF102WETaTR	SG Theis Film, 240L, 1982 Miles Sim, 240L 1982 Mile	815, 816, 817, 818 SD1 SW1 U1 U2 U3 U5	MODE 479521001_V P A644 2102 MFG FF TODAS DEP-1 MGG DC100044_N A64-8-8_M D00064_L FF LC-8-IPC_C FF LPD00044_MGG STM44CIFF100_L GUEC-LISOM59-12_V	CMP -2000 05848-1 CMP -08227 00006-1 CMP -08225 00006-1 CMP -0784 00133-1 CMP -0784 00133-1	
100K 80H 2100 80H 2100 100CSTA 5.0MU LMT17MP- 1.27NOP8 8EF192GSZ LMESBMA/NOP8 ACST72ELCTR.20A-T. LMSH27/NOP8 STM2SF102WETaTR	SS Theis Film, 240L, 1982 Med Sim, 240L 1982 Med Si	815, 816, 817, 818 SD1 SW1 U1 U2 U3 U5	MODC-475571001_V PF A644-27003-WG FF TOXAS GD PL-1- MGG DOTTODALN AGE-R-R-R-M DOTTODALN FF ICE-8 IPC_C FF IPDOSSA MFG STM-LOFP100_L GUITC-LIB0-M0P-12_V SB-2_L	CMP -2000 05848-1 CMP -08227 00006-1 CMP -08225 00006-1 CMP -0784 00133-1 CMP -0784 00133-1	