

Comment	Description	Designator	Footprint	Refuf	Quantity
100uf 50V	CAP 100uf 50V -20% to <80% 0603 (1608 Metric) Thickness 1mm SMD	C1, C2, C4, C6	CAPC0603(1608)100_1M	CMP-1035-02594-1	4
4.7uf		C3	CAPC1608X067X35ML1 ST15	CMP-2006-03238-1	1
C1408XSR1A104K080 AC	Chip Capacitor, 10uf +/- 10%, 10 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C5, C10, C11, C12, C13, C14, C15, C16, C17, C18	CAPC1608X067X02L10	CMP-2000-04979-1	10
2.2uf 10V		C7	CAPC1608X067X35ML1 OT15	CMP-2006-02536-1	1
104uf 50V	Chip Capacitor, 10uf +/- 10%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C8	CAPC1608X067X04ML1 OT20	CMP-2100-03600-1	1
1uf 10V		C9	CAPC1608X067X35ML1 OT15	CMP-2006-02287-1	1
EP167F-P1R2-35-1-20 R18-Z	SMD LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	EP167F-P1R2-35-1-20 R18-Z	EP167F-P1R2-35-1-20 R18-Z	10
ASP-13448B-01		J1	*SAMTEC_ASP- 13448B-01_ASP- 13448B-01(P88MADP)	ASP-13448B-01	1
NHD-C0216CZ-FSW- FBW-3V3	Character LCD Display Module Transflective 5 x 8 Dots FSTN - Ffilm Super-Twisted Nematic LED - White Serial 41.40mm x 54.50mm x 4.00mm	J2	*LCD_NHD-C0216CZ- FSW-FBW-3V3_NHD- C0216CZ-FSW-FBW- 3V3(P88MADP)	NHD-C0216CZ-FSW- FBW-3V3	1
181-015-213R561	15 Position D-Sub, High Density Receptacle, Female Socket, Connector	J3, J4, J5, J6	*NORCOMP-181-015- 213R561	181-015-213R561	4
A1303221021	THT Angled Pin Header WR-P140, Pitch 2.54mm, Dual Row, 32 pins	J7	A1303221021	CMP-1502-01123-1	1
M2018EA2A13	SWITCH TOGGLE SPDT 6A 12V	J8	M2018EA2A13	M2018EA2A13	1
TSW-103-07-L-S	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54mm Pitch, 3-Pin, Male, RoHS	P1	SMTC-TSW-103-07-X- S	CMP-1024-00334-1	1
TSW-102-07-S-S	Male Header, Pitch 2.54mm, 1x2 Position, Height 8.38 mm, Tail Length 2.54 mm, -55 to 125 degC, RoHS, Bulk	P2, P3, P5, P6, P8	SMTC-TSW-102-07-S- S	CMP-1681-00004-4	5
TSW-104-08-G-S	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54mm Pitch, 4-Pin, Male, RoHS	P4	SMTC-TSW-104-08-X- S	CMP-1024-00357-1	1
TSW-105-07-G-D	Post Terminal Strip Assembly, Pitch 2.54 mm, 2x5 Position, Height 8.58mm, Tail Length 2.54mm, -55 to 125 degC, RoHS, Bulk	P7	SMTC-TSW-105-07-G- D_V	CMP-2000-07330-1	1
TSW-106-07-L-S	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54mm Pitch, 6-Pin, Male, RoHS	P9	SMTC-TSW-106-07-X- S	CMP-1024-00386-1	1
200k		R1	REC-160805X30LL15 T15	CMP-2000-00743-1	1
1k		R2, R3, R47, R48	REC-160805X30LL20 T20	CMP-2000-00873-1	4
4.7k		R4	REC-160805X30LL15 T15	CMP-2000-00522-1	1
Res3	Resistor	R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R45, R46, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58	J1-0603	Res3	50
EG1218	Slide Switch SPDT Through Hole	S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	*EG1218_EG1218(P8 MADP)	EG1218	10
430181038816	Tactile Switch SPST- NO Top Actuated Surface Mount	S11	*430181038816	430181038816	1
BME280	Humidity Temperature Sensor 0 - 100% RH I2C, SPI 1.5-2% to Surface Mount	U1	*PSONA5P250X250K1 00-8N	BME280	1
MAX30102EFD+	Oximeter/Heart Rate Sensor I2C Output	U2	MAX30201	MAX30102EFD+	1
PCA9306DCUR	Dual Bi-Directional I2C-Bus and SMBus Voltage Level- Translator, 0 to 5.5 V, 40 to 85 degC, 8-pin 1-PS (DCL), Green (RoHS & no Sb/Br)	U3	DCL0008A_M	CMP-0314-00419-2	1
LP2985-180BVR	Single Output Low Noise LDO, 150mA, Fixed 1.8V Output, 1.5% Tolerance, 2.2 to 16 V Input, Low IQ, 5-Pin SOT-23 (DBV), - 40 to 125 degC, Green (RoHS & no Sb/Br), Tape and Reel	U4	DBV0005A_M	CMP-0758-00065-2	1
LS3LV02LTR	ACCELEROMETER 2- GG DC/SPI 16LGA	U5	LGA-16_4P-4X7PSX1	LS3LV02LTR	1
AD7490BRUZ		U6	*SOP45P40X120-28N	AD7490BRUZ	1
Part Number: BC817- 25-7-F	PNP Transistor	U7, U8, U9, U10, U11, U12, U13, U14, U15, U16	*SOT23	BC817-25-7-F	10
NCP1117P5T50T3G	Linear Voltage Regulator IC 1 Output 1A SOT-223	U17	SOT23P700X180-4N	NCP1117P5T50T3G	1