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100nF 50V	CAP 100nF 50V -20% to +80% 0603 (1608 Metric) Thickness	C1, C2, C4, C6	CAPC0603(1608)100_ M	CMP-1035-02594-1	
4.7uF	1mm SMD CAP 4.7uF 0603	C3	CAPC1608087X35NL1 5T15	CMP-2006-03238-1	
10uF	Chip Capacitor, 10 uF, +/- 10%, 10 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape	cs	CAPC1608X90X20LL10	CMP-2000-04979-1	
2.2uF 10V	and Reel CAP CER 2.2uF 10V 0603	C7	CAPC1608X90X35ML1 0T15	CMP-2006-02836-1	
10nF 50V	Chip Capacitor, 10 nF, +/- 10%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape	C3	CAPC1608X90X40ML1 0T20	CMP-2100-03600-1	
1uF 10V	and Reel CAP CER 1uF 10V 0603	C9	CAPC1608X90X35ML1 5T15	CMP-2006-02287-1	
C1608X5R1A106K080 AC	Chip Capacitor, 10 uF, +/- 10%, 10 V, -55 to 85 degC, 0603 (1608 Metric), RoHS, Tape	C10, C11, C12, C13, C14, C15, C16, C17, C18	CAPC16080/90X20LL10	CMP-2000-04979-1	
LP T67F-P1R2-35-1-20- R18-Z	and Reel SMD LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	LP T67F-P1R2-35-1-20- R18-Z	LP T67F-P1R2-35-1-20- R18-Z	
ASP-134488-01		J1	"SAMTEC_ASP- 134488-01_ASP- 134488-01(Primary)	ASP-134488-01	
NHD-CO216CZ-FSW- FBW-3V3	Character LCD Display Module Transflective 5x 8 Dots FSTN - Film Super-Twisted Nematic LED - White Serial 41.40mm x 24.30mm x 4.00mm	12	*LCD_NHD-C0216CZ- FSW-FBW-3V3_NHD- C0216CZ-FSW-FBW- 3V3(Primary)	NHD-C0216CZ-FSW- FBW-3V3	
181-015-2138561	15 Position D-Sub, High Density Receptacle, Female Sockets Connector	13, 14, 15, 16	*NORCOMP_181-015- 213R561	181-015-213R561	
61303221021	THT Angled Pin Header WR-PHD, Pitch 2.54 mm, Dual	17	61303221021	CMP-1502-01123-1	
M2018EA2A13	Row, 32 pins SWITCH TOGGLE SPDT 6A 129V	18	M2018EA2A13	M2018EA2A13	
TSW-103-07-L-S	6A 12W 0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 3-Pin, Male, RoHS Male Header, Pitch	P1	SMTC-TSW-103-07-X- S	CMP-1024-00334-1	
TSW-102-07-S-S	Male Header, Pitch 2.54 mm, 1 x 2 Position, Height 8.38 mm, Tail Length 2.54 mm, -55 to 125 degC, RoHS, Bulk 0.025" SQ Post	P2, P3, P5, P6, P8	SMTC-TSW-102-07-S- S	CMP-1681-00004-4	
TSW-104-08-G-S	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 4-Pin, Male, RoHS	P4	SMTC-TSW-104-08-X- S	CMP-1024-00357-1	
TSW-105-07-G-D	Post Terminal Strip Assembly, Pitch 2:54 mm, 2 x 5 Position, Height 8:58 mm, Tail Length 2:54 mm, -55 to 125 degC, RoHS, Bulk	P7	SMTC-TSW-105-07-G- D_V	CMP-2000-07330-1	
TSW-106-07-L-S	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 6-Pin, Male,	P9	SMTC-TSW-106-07-X- S	CMP-1024-00386-1	
200k	RoHS	R1	RESC1608X55X30LL15 T15	CMP-2000-00743-1	
1k		R2, R3, R47, R48	RESC1608X55X30LL20 T20	CMP-2000-00873-1	
4.7k		R4	RESC1608X55X30LL15 T15	CMP-2000-00522-1	
Res3	Resistar	85, 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, D56	J1-0603	Res3	
EG1218	Slide Switch SPDT Through Hole Tactile Switch SPST-	\$1, \$2, \$3, \$4, \$5, \$6, \$7, \$8, \$9, \$10	*EG1218_EG1218(Pri mary)	EG1218	
430181038816	Tactile Switch SPST- NO Top Actuated Surface Mount	S11	*430181038816	430181038816	
BME280	Humidity Temperature Sensor 0 ~ 100% RH IÅ <sup>2</sup> C, SPI ű3% 1s Surface Mount	uı	*PSON65P250X250X1 00-8N	BME280	
MAX30102EFD+	Oximeter/Heart Rate Sensor IA <sup>®</sup> C Output	U2	MAX30201	MAX30102EFD+	
PCA9306DCUR	Dual Bi-Directional 12C-Bus and SMBus Voltage Level Translator, 0 to 5.5 V, 40 to 85 degC, 8-pin US8 (DCU), Green (RoHS & no Sb/Br)	u3	DCU0008A_M	CMP-0314-00419-2	
LP2985-180BVR	Single Output Low Noise LDO, 150 mA, Fixed 1.8 V Output, 1.5% Tolerance, 2.2 to 16 V Input, Low IO, 5-Pin SOT-23 (DBV), 40 to 125 degC, Green (RoHS & no Sb/Br), Tape and Reel		DBV0005A_M	CMP-0758-00065-2	
LIS3LV02DLTR	ACCELEROMETER 2- 6G I2C/SPI 16LGA 16-Channel, 1 MSPS.	US	LGA-16_4P4X7P5X1	LIS3LV02DLTR	
AD7490BRUZ	12-Bit ADC with Sequencer in 28- Lead TSSOP	U6	*SOP68P640X120-28N	AD7490BRUZ	
BC817-25-7-F	NPN Transistor	U7, U8, U9, U10, U11, U12, U13, U14, U15, U16	*SOT23	BC817-25-7-F	
	Linear Voltage				