



Comment	Description	Designator	Footprint	Libref	Quantity
CAP CER 0.1uF 50V 10% X7R 0603	0.1uF ±10% 50V Ceramic Capacitor X7R 0603 1608 (Metric)	C1, C3	CAP_0603	CAP CER 0.1uF 50V 10% X7R 0603	2
CAP CER 20PF 50V 45% XGL/NPO 0603	20PF ±5% 50V Ceramic Capacitor XGL NPO 0603 (1608 Metric)	C2, C4	CAP_0603	CAP CER 20PF 50V 45% XGL/NPO 0603	2
CAP CER 0.1uF 100V 10% X7R 0805	0.1uF ±10% 100V Ceramic Capacitor X7R 0805 2012 (Metric)	C5	CAP_0805	CAP CER 0.1uF 100V 10% X7R 0805	1
DIODE SCHOTTKY 40V 3A DO- 214AA (SMB)	Schottky 40V 3A Surface Mount DO- 214AA (SMB)	D1	DO-214AA Diode	DIODE SCHOTTKY 40V 3A DO- 214AA (SMB)	1
DIODE ZENER 16V 5W DO- 214AA (SMB)	Si-SiC Diode 16V 5W ±5% Surface Mount DO- 214AA (SMB)	D2	DO-214AA Diode	DIODE ZENER 16V 5W DO- 214AA (SMB)	1
LED GREEN CLEAR 2V 0603	Green 5.2mm LED Indication - Discrete 2V 0603 (1608 Metric)	LED1	LED_0603	LED GREEN CLEAR 2V 0603	1
LED YELLOW CLEAR 2.1V 0603	Yellow 5.0mm LED Indication - Discrete 2V 0603 (1608 Metric)	LED2, LED3	LED_0603	LED YELLOW CLEAR 2.1V 0603	2
CONN 4POS Bergstat Plug 0.02"	50 Position Connector Plug, Outer Shroud Contacts Surface Mount Gold Pkg Plug	P1	CONN Bergstat 50 Pos Plug	CONN 4POS Bergstat Plug 0.02"	1
CONN 2POS ULTRA-FIT 0.138"	2 Positions Header, Shrouded Connector 0.138" (3.50mm) Through Hole Gold	P2	CONN, 2POS ULTRA FIT	CONN 2POS ULTRA-FIT 0.138"	1
CONN 2POS ULTRA-FIT NATURAL COLOR 0.138"	2 Positions Header, Shrouded Connector 0.138" (3.50mm) Through Hole	P3, P4	CONN, 2POS ULTRA FIT - NATURAL COLOR	CONN 2POS ULTRA-FIT NATURAL COLOR 0.138"	2
Dura-Clk	2 Positions Header, Shrouded Connector 0.079" (2.00mm) Surface Mount, Vertical Tin	P5	CONN, 2POS Dura Clk, Vertical	CONN 2POS DURA-CLK 0.079" VERT	1
Dura-Clk	4 Positions Header Connector 0.079" (2.00mm) Surface Mount Tin	P6	CONN, 4POS DURA CLK VERT	CONN 4POS DURA-CLK 0.079"	1
MOSFET N- CH 30V 8.1A 2.1W & POFN (D2S)	8.1k Ohm 0.1% 0.1W 1/10W Chg Resistor 0603 (1608 Metric)	Q1, Q2	MOSFET N- CH 30V 12A 2.0mW 2Pin POFN	MOSFET N- CH 30V 8.1A 2.1W & POFN (D2S)	2
RES 4.7K 24M 1% 1/10W 0603	RES SMD 10K OHM 1% 1/10W 0603	R1, R2, R3	RES_0603	RES 4.7K 24M 1% 1/10W 0603	3
RES 10K 24M 1% 1/10W 0603	RES SMD 10K OHM 1% 1/10W 0603	R4, R5	RES_0603	RES 10K 24M 1% 1/10W 0603	2
2K	2K Ohm 0.1% 0.1W 1/10W Chg Resistor 0603 (1608 Metric)	R6, R10	RES_0603	RES 2K 24M 1% 1/10W 0603	2
RES 120 24M 1% 1/10W 0603	RES SMD 120 OHM 1% 1/10W 0603	R7, R11	RES_0603	RES 120 24M 1% 1/10W 0603	2
RES 1.4K OHM 1% 1/10W 0603	RES SMD 40K OHM 1% 1/10W 0603	R8, R12	RES_0603	RES 1.4K OHM 1% 1/10W 0603	2
RES 40K OHM 1% 1/10W 0603	RES SMD 40K OHM 1% 1/10W 0603	R9, R13	RES_0603	RES 40K OHM 1% 1/10W 0603	2
RES 0.0 OHM 1/4W 0603	RES SMD 0W OHM JUMPER 1/4W 0603	R14, R15	RES_0603	RES 0.0 OHM 1/4W 0603	2
100k Pullup	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12			100k Pullup	12
IC: SCOPH COMM INTERFACE 1-CHANNEL	IC: COMM INTERFACE SCOPH 16- CHN	U1, U2	IC: COMM INTERFACE SCOPH 16- CHN	IC: SCOPH COMM INTERFACE 1-CHANNEL	2
IC: PULSE XFMR NOT ICE 350UH SMD	IC: PULSE PULSE XFMR NOT ICE 350UH SMD	XFMR1	IC: PULSE XFMR NOT ICE 350UH SMD	IC: PULSE XFMR NOT ICE 350UH SMD	1