

Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1
0.1uF 25V	Capacitor 0.1uF 0603 package	C1, C3, C4, C7, C8, C9, C10, C11, C12, C25, C35, C43, C44, C45, C46, C47	Generic_0603	Cap_0603_0.1uF_25V	16	Digi-Key	478-1244-1-ND
Cap_0603_10uF	Capacitor	C2, C5, C6, C13, C17, C21, C26	GENERIC_0603	Cap_0603_10uF	7	Digi-Key	445-9015-1-ND
0.01uF	Capacitor 0.01uF 0402 package	C14, C18, C22, C36	Generic_0402	Cap_0402_0p01uF	4	Digi-Key	445-1262-1-ND
0.001uF	Capacitor 0.001uF 0402 package	C15, C19, C23, C29, C42	Generic_0402	Cap_0402_0p001uF	5	Digi-Key	311-1036-1-ND
100pF	Capacitor 100pF 0402 package	C16, C20, C24	Generic_0402	Cap_0402_100pF	3	Digi-Key	490-3458-1-ND
1u	Capacitor	C27, C33	Generic_0402	Cap_0402_1uF	2	Digi-Key	445-4978-1-ND
0.1uF	Capacitor 0.1uF 0402 package	C28, C31, C34, C48	Generic_0402	Cap_0402_0p1uF_50V	4	Digi-Key	445-5933-1-ND
2.2uF 10V	Capacitor 2.2uF 0603 package	C37, C38, C41	Generic_0603	Cap_0603_2p2uF_10V	3	Digi-Key	587-1253-1-ND
18pF	Capacitor 18pF 0402 package	C39, C40	Generic_0402	Cap_0402_18pF	2	Digi-Key	712-1264-1-ND
10uF	Polarized Capacitor (Radial)	C49, C50	GENERIC_0805P	Cap_0805P_10uF	2	Digi-Key	445-14388-1-ND
LED White	Surface mount LEDs	D1, D2, D3, D4	0402_LED_WHITE	LED_White_0402	4	Digi-Key	1830-1058-1-ND
ESDLC3V3D3-TP	ESDLC3V3D3-TP	D5	SOD-323	Diode_ESDLC3V3D3-TP	1	Digi-Key	ESDLC3V3D3-TPMSCT-ND
MPZ1608S221A	Ferrite Bead	F81	GENERIC_0603	FerriteBead	1	Digi-Key	445-172893-1-ND
10104110-0001LF	USB Micro Connector	J5	FCI-10104110	Conn_USB_Micro	1	Digi-Key	609-4052-1-ND
DNP	Header, 5-Pin, Dual row	J8	CNCTECH_3220-10-0300-00	Header 5X2	1	Digi-Key	609-3729-ND
67996-104HLF	Header, 2-Pin, Dual row	J9	HDR2X2	Header 2X2	1	Digi-Key	609-3201-ND
FTSH-118-01-L-MT	Header, 18-Pin, Dual row, Hybrid SMT/Thru	J10	FTSH-118-01-L-MT	Header 18X2 RA MT	1	Digi-Key	SAM1162-18-ND
77311-118-02LF	Header, 2-Pin	J12	HDR1X2	Header 2	1	Digi-Key	609-4434-ND
10	Resistor 10 ohm	R1	Generic_0402	Res_0402_10_1pct	1	Digi-Key	P10.0LCT-ND
Res_0402_49p9_1pct	Resistor 49.9 ohm	R2, R3, R22, R23, R34, R35, R36, R37, R38	Generic_0402	Res_0402_49p9_1pct	9	Digi-Key	1276-3469-1-ND
330	RES 330 OHM 1/10W 1% 0402 SMD	R4, R5, R6, R7	Generic_0402	Res_0402_330	4	Digi-Key	P330LCT-ND
Res_0402_2.2K	Resistor 2.2 Kohm	R8, R13, R16, R17, R18, R19, R20, R21, R26	Generic_0402	Res_0402_2.2K	9	Digi-Key	P2.2KCT-ND
Res_0402_10K_1pct	Resistor 10 Kohm	R9, R11, R12, R14, R15, R29, R30, R31	Generic_0402	Res_0402_10K_1pct	8	Digi-Key	P10.0KCT-ND
4.87k 1%	75R 0.063W 5% 0402 (1005 Metric) SMD	R10	Generic_0402	Res_0402_4p87K_1pct	1	Digi-Key	P4.87KLCT-ND
75	75R 0.063W 5% 0402 (1005 Metric) SMD	R24, R25	Generic_0402	Res_0402_75_1pct	2	Digi-Key	541-75.0LCT-ND
Res_0402_DNP	Resistor 0402 DNP	R27, R28, R32	Generic_0402	Res_0402_DNP	3		
Res_0402_0	RES SMD 0 OHM JUMPER 1/10W 0402	R33	GENERIC_0402	Res_0402_0	1	Digi-Key	P0.0JCT-ND
EVP-AA402W	Momentary Push button, NO	S1, S2	EVPA402_switch	Pushbutton_EVP-AA402W	2	Digi-Key	P133495CT-ND
SMT Pad	SMT pad for test	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19	TP_PAD_20mil	TP_SMT_20mil	19		
CAT24M01WI-GT3	I2C EEPROM 1Mbit	U1	SOIC8	IC_EEPROM_I2C_1Mbit	1	Digi-Key	CAT24M01WI-GT3OSCT-ND
TLK110PT	Industrial Temp, Single Port 10/100 Mb/s Ethernet PHY	U2	TL-PT48_M	IC_TLK110PT_EthernetPhy	1	Digi-Key	296-30096-1-ND
STM32F427VIT6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 2048	U3	STM-LQFP100_N	MC-ARM-STM32F4X7-SQ100	1	Digi-Key	497-14049-ND
ASE-50.000MHZ-LCT		U4	OSCILLATOR_3.2x2.5	oscillator_3.2x2.5	1	Digi-Key	535-9577-1-ND
TXS0104EPWR	Level Shifter	U5	TXS0104EPWR	IC_LevelShifter_TXS0104EPWR	1	Digi-Key	296-20697-1-ND
SC18IS600IPW	SPI to I2C Converter	U6	HV0FN24	IC_SPI_to_I2C_SC18IS600IPW	1	Digi-Key	568-4709-ND
749020100	Ethernet Magnetics Wurth 749020100	U7	Wurth749020100	IC_EthernetMagnetics	1	Digi-Key	732-3268-1-ND
MCP9804T	I2C Temp Sensor MCP9804T-E/MC	U8	Temp_MCP9804T	IC_Temp_Sensor_MCP9804_I2C	1	Digi-Key	MCP9804T-E/MCCT-ND
BZ-25.000MEEQ-T		X1	CRYSTAL_2_2.5	CRYSTAL	1	Digi-Key	887-1339-1-ND