

Designator	Quantity	Manufacturer	Part Number	Description	LibRef
C1, C13, C15	3	Any	10u, 6.3V, X5R, 0603 (1608 metric) chip capacitor	Ceramic chip capacitor	20012
C2, C3, C4, C5, C6, C7, C8, C9, C10, C12, C14, C11	12	Any	100n, 16V, X5R, 0402 (1005 metric) chip capacitor	Ceramic chip capacitor	20000
C17, C18	1	Any	10n, 16V, X5R, 0402 (1005 metric) chip capacitor	Ceramic chip capacitor	20014
D1	2	Any	10n, 50V, X5R, 0603 (1608 metric) chip capacitor	Ceramic chip capacitor	20038
D2	1	ON Semi	ESD5Z3.3	TVS, Pin1 Cathode	51211
D3, D5, D6	1	Kingbright	KPT-1608QBC-D	LED, pin 1 cathode	50003
D4	3	Kingbright	KPT-1608SGC	LED, pin 1 cathode	50005
D7, D8	1	Kingbright	KPT-1608EC	LED, pin 1 cathode	50002
J1, J2	2	Littelfuse	SP3304NUTG	TVS Diode Array	50693
J3	2			1x14 pin connector	51283
L1, L2	1	Wuerth	7499021125	Dual LAN-Transformer WE-RJ45LAN 10/100BaseT	50579
L3, L4	2	Murata	BLM15AX601SN1D	Ferrite bead	60056
R1	2	Murata	BLM18KG101TN1	Ferrite bead	60101
R2	1	Any	1, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10223
R3	1	DNP	DNP	Chip Resistor	40006
R4	1	Any	0, -, -, 0402 (1005 metric) chip resistor	Chip Resistor	10052
R5	1	Any	22, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10108
R6, R7, R8, R9, R10, R14, R15	1	Any	10k, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10012
R11, R12	7	Any	180, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10342
R13	2	Any	2k, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10195
U1	1	Any	4.7k, 1%, 62mW, 0402 (1005 metric) chip resistor	Chip Resistor	10042
U2	1	Trinamic	TMC8462A-BA	Integrated EtherCAT Slave Controller	50844
Y1	1	Microchip	24LC64-/SN	I2C serial EEPROM in 8 pin case	50577
	1	Abracon	ASDMB-25.000MHZ-LC-T	Standard Clock Oscillators 3.3Volts 25ppm -40C +85C 15p	50846