

Item	Reference		Manufacturer	Manufacturer Part Number	Digikey P/N (If exists)	Part Description	Package							Cost
	Designator	Qty					Style	# of pins	Height	Length	Width	Area	Volume	
1	U1	1	MRV	MRTRLSCD5010-5LD9DE	NAV	Gigabit Ethernet Single Mode Fiber Transceiver	N/A	9						
2	U2	1	Linear Technology	LTC485CS8		Low Power RS-485 Transceiver	SOIC-8	8						
3	C1, C2,C3	3	Kemet	C0805C104M5VAC		Capacitor - Ceramic, 0.1uF 20% 50V	0805	2						
4	L1, L2	2	Fair Rite	2743002112		Ferrite EMI suppresor		2						
5	C4, C5	2	Kemet	T491D226M016AS		Capacitor - Tantalum, 20uF 20% 16V	T491D	2						
6	R7, R8	2	Panasonic	ERJ14NF0680U		Resistor - Metal Film, 68ohm 1% 1/4W	1210	2						
7	R9, R10	2	Panasonic	ERJ14NF1800U		Resistor - Metal Film, 180ohm 1% 1/4W	1210	2						
8	R1	1	Panasonic	ERA6YEB103V		Resistor - Metal Film, 10kohm 0.1% 1/10W	0805	2						
9	R2, R3	2	Panasonic	ERA6YEB181V		Resistor - Metal Film, 180ohm 0.1% 1/10W	0805	2						
10	R4	1	Panasonic	ERJ14NF3600U		Resistor - Metal Film, 360ohm 1% 1/4W	1210	2						
11	R5	1	Panasonic	ERJ14NF1100U		Resistor - Metal Film, 110ohm 1% 1/4W	1210	2						
12	J2, J3	2	Tyco/Amp	640456-2	A1921-ND	Connector - Male, 0.100" friction lock header		2						
13	J1	1	Molex - GC/Waldom	705-53-0001	WM4900-ND	Connector - Male, 0.100" pocket header		2						
Cable ends														
14	P2, P3	2	Tyco/Amp	640443-2	A19050-ND	Connector - Female, 0.100" receiver	n/a	n/a						
15	P1	1	Molex - GC/Waldom	50-57-9402	WM2900-ND	Connector - Female, 0.100" pocket receiver	n/a	n/a						
Board Mounting														
16	n/a	4	Keystone		4800K-ND	0.250" NYLON THREADED STANDOFF	n/a	n/a						
17	n/a	4	Building Fasteners		H542-ND	0.250" 4-40 NYLON MACHINE SCREW	n/a	n/a						
18	n/a	4	Building Fasteners		H616-ND	0.250" 4-40 NYLON HEX NUT	n/a	n/a						