



Update the document revision level (and file name) whenever changes are released to others.

Rev.	Date	Who	Description
0.90	30-Jun-2011	Scot Kornak	Created.
0.91	13-Jul-2011	Scot Kornak	Single 6 pin header used for JU1 JU2 JU4 jumpers.
1.00	21-Nov-2011	Scot Kornak	RS485 Tranceivers added.

Qty	Reference	BPS Part#	Value	Rating	Description (dimensions in mils, 0.001")	Manufacturer	Man. #	Notes
1	C1	C1-1/104	100n	50V	Capacitor, 100nF, 50V, X7R, 10%, Radial, 100sp, TH	Kemet	C320C104K5R5TA	
1	J10	J1-90/10			Header, SIL, 1x10, 100sp, 330h, Gold Flash, TH	Tyco	1-103185-0	Installed on bottom of PCB, facing downwards
1	JU1 JU2 JU4	J1-90/6	6pin		Jumper, Triple 2 pin, 100sp, 330h, Gold Flash, TH	Tyco	103185-6	3 jumpers = 6 pins
1	JU1-4	J1-90/2	2pin		Jumper, 2 pin, 100sp, 330h, Gold Flash, TH	Tyco	103185-2	
1	JU3	P-42			Jumper Shunt, Black, With Handle, 100sp, Tin	Tyco	2-382811-1	
1		PCB-7774			PCB, ComBoard-485, RS485 Adapter, TH	BusBoard.us	PCB-7774-1.00	
2	R1 R4	R1-1/103	10k	1/4W	Resistor, 10k, 5%, 1/4W, Axial, TH			
3	R2-3 R5	R1-1/221	220R	1/4W	Resistor, 220R, 5%, 1/4W, Axial, TH			
2	R6-7	R1-1/681	680R	1/4W	Resistor, 680R, 5%, 1/4W, Axial, TH			
1	U1	U1-21/250			IC, RS485 XCVR, Half Duplex, 250kbps, -40to85, DIP8	Sipex	SP483EEP-L	
	U1 (alternate)	No# /250			IC, RS485 XCVR, Half Duplex, 250kbps, 0to70, DIP8	Sipex	SP483ECP-L	Commercial temp.
	U1 (alternate)	U1-21/10			IC, RS485 XCVR, Half Duplex, 10Mbps, -40to85, DIP8	Sipex	SP485EEP-L	Higher data rate.
	U1 (alternate)	No# /10			IC, RS485 XCVR, Half Duplex, 10Mbps, 0to70, DIP8	Sipex	SP485ECP-L	Commercial temp.
	U1 (alternate)	No# /250			IC, RS485 XCVR, Half Duplex, 250kbps, 0to70, DIP8	TI	SN75LBC184P	Commercial temp.
1	U1	X-1/8	8pin		Socket, Dual Leaf, Tin, DIP8-150, TH	Tyco	1-390261-2	
	U1 (alternate)	X-1/8	8pin		Socket, Dual Leaf, Tin, DIP8-150, TH	Tyco	2-641260-1	
CB485T (Terminal Block Option)								
1	J3	J1-88/4	300V	10A	Terminal Block, 1x4, Removable, Side Panels, 5mm, RA, Green, TH	Phoenix Contact	1757491	
1	J3	P-88/4	300V	10A	Plug, Terminal Block, 1x4, Removable, 5mm-spacing, Green	Phoenix	1754481	
CB485RJ (RJ45 Connector Option)								
2	J1 J2	J1-69/8			RJ45 Modular Phone Jack, 8 Positions, 8 Contacts, Low Profile, RA	Amp	555164-4	
Mounting Hardware								
2		H-6/438			Spacer, Nylon, For #4 Screw, 478h (7/16"), Unthreaded, 125id, 188od	Bivar	9908-437	
2		H1-410/1000	1.00"		Screw, Philips, #4-40, Pan Head, L=1.00", Steel-Zinc			
2		H1-402			Washer, Flat, #4, id=1/8", od=5/16", thick=0.032", SS	Spanauer	W-2019	
2		H1-403			Split Washer, #4, od=0.040", thick=0.031", Steel-Zinc	Spanauer	W-309	
Parts Not Installed								
1	J5	J1-91/10			Header, DIL, 2x5, 100sp, 330h, 15um Gold, TH	Tyco	103186-5	Alternate 2x5 connector for ribbon cables.
1	J4				Connector, MTA-100, 2 pin, Male, Vertical, 100sp, TH	AMP	640456-2	Optional Power Out
2	JU5-6	J1-12/2	2pin		Jumper, 2 pin, 100sp, 330h, Tin, TH	Tyco	103747-8	Connected on PCB.