

Enclosure

PN1 Enclosure Hamilton Metalcraft D1200533-v1	PN4 Front panel LIGO D1301018-v1	PN14 Rear panel LIGO D1301019-v1
PN2 Modular coupler Newark 21K6038	PN5 Jack screw kit Digi-Key 626-1256-ND	PN15 Terminal turret Mouser 534-1587-1
M1 #6-32 1/4" flat	PN6 BNC lock washer	PN16 BNC nut
M2 #6-32 1/4" flat	PN7 BNC lock washer	PN17 BNC nut
M3 #6-32 1/4" flat	PN8 BNC lock washer	PN18 BNC nut
M4 #6-32 1/4" flat	PN9 BNC lock washer	PN19 BNC nut
M5 #6-32 1/4" flat	PN10 BNC lock washer	PN20 BNC nut
	PN11 BNC lock washer	PN21 BNC nut
	PN12 BNC lock washer	PN22 BNC nut
	PN13 BNC lock washer	PN23 BNC nut
	Digi-Key A97567-ND	Digi-Key A97566-ND
M6 M3-20mm flat	M10 M3 washer	M14 M3 nut
M7 M3-20mm flat	M11 M3 washer	M15 M3 nut
M8 M3-20mm flat	M12 M3 washer	M16 M3 nut
M9 M3-20mm flat	M13 M3 washer	M17 M3 nut
McMaster-Carr 91420A128	McMaster-Carr 93925A240	McMaster-Carr 90591A121

Rack brackets (optional)

H1 Handle, 3.0"	M18 #6-32 1/4" flat	M24 #6-32 3/8" flat
H2 Handle, 3.0"	M19 #6-32 1/4" flat	M25 #6-32 3/8" flat
Mouser 534-9109	M20 #6-32 1/4" flat	M26 #6-32 3/8" flat
H3 Ferrule	M21 #6-32 1/4" flat	M27 #6-32 3/8" flat
H4 Ferrule	M22 #6-32 1/4" flat	McMaster-Carr 91099A215
H5 Ferrule	M23 #6-32 1/4" flat	
H6 Ferrule	McMaster-Carr 91099A205	
Mouser 534-9121		

Rubber feet (optional)

H7 Rubber feet	H11 #4 washer	H23 #4 screw, 1/4"
H8 Rubber feet	H12 #4 washer	H24 #4 screw, 1/4"
H9 Rubber feet	H13 #4 washer	H25 #4 screw, 1/4"
H10 Rubber feet	H14 #4 washer	H26 #4 screw, 1/4"
Digi-Key 720K-ND	McMaster-Carr 90945A710	McMaster-Carr 90272A106

Board-to-board

PN24 bracket	H15 #4 screw, 1/4"	H27 #4 lock washer
PN25 bracket	H16 #4 screw, 1/4"	H28 #4 lock washer
PN26 bracket	H17 #4 screw, 1/4"	H29 #4 lock washer
PN27 bracket	H18 #4 screw, 1/4"	H30 #4 lock washer
Digi-Key 612K-ND	H19 #4 screw, 1/4"	H31 #4 lock washer
PN28 standoff, 0.5"	H20 #4 screw, 1/4"	H32 #4 lock washer
PN29 standoff, 0.5"	H21 #4 screw, 1/4"	H33 #4 lock washer
PN30 standoff, 0.5"	H22 #4 screw, 1/4"	H34 #4 lock washer
PN31 standoff, 0.5"	McMaster-Carr 91772A106	McMaster-Carr 91113A005
Digi-Key 2203K-ND		

Enclosure hardware

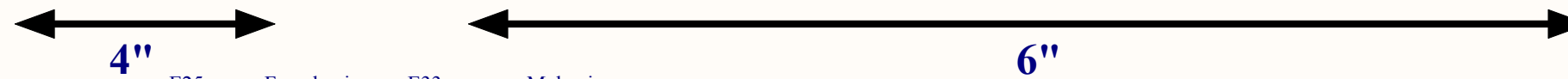
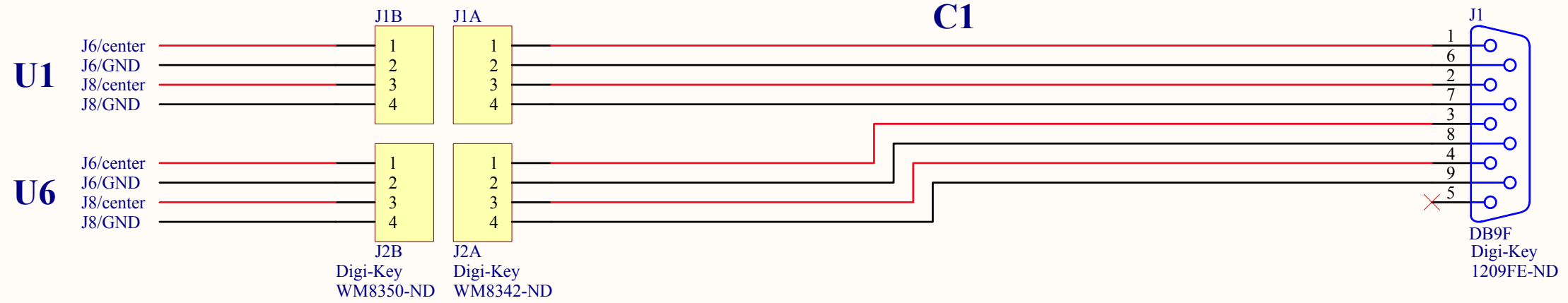
E1 #4-40 3/16" flat	E9 #4-40 3/16" flat	E17 #4-40 3/16" flat
E2 #4-40 3/16" flat	E10 #4-40 3/16" flat	E18 #4-40 3/16" flat
E3 #4-40 3/16" flat	E11 #4-40 3/16" flat	E19 #4-40 3/16" flat
E4 #4-40 3/16" flat	E12 #4-40 3/16" flat	E20 #4-40 3/16" flat
E5 #4-40 3/16" flat	E13 #4-40 3/16" flat	E21 #4-40 3/16" flat
E6 #4-40 3/16" flat	E14 #4-40 3/16" flat	E22 #4-40 3/16" flat
E7 #4-40 3/16" flat	E15 #4-40 3/16" flat	E23 #4-40 3/16" flat
E8 #4-40 3/16" flat	E16 #4-40 3/16" flat	E24 #4-40 3/16" flat
		McMaster-Carr 91771A111

Cables

C2 IDC50 cable	C3 IDC50 cable	C4 DB25 cable m	C5 M12 plug, male	C9 M8 power, 0.5m	C11 M8-M8, 0.13m
Digi-Key H1CXH-5036G-ND	Digi-Key H1CXH-5036G-ND	Digi-Key H7PXH-2506G-ND	C6 M12 plug, male	Beckhoff ZK2020-3200-0005	Beckhoff ZK1090-3131-0001
C2A IDC50 socket	C3A IDC50 socket	C4A Header, 26-pin	C7 M12 plug, male		
Digi-Key MKC50A-ND	C3B IDC50 socket	Digi-Key MKC26A-ND	C8 M12 plug, male	C10 M8 power, 0.1m	C12 M8-RJ45, 0.2m
	Digi-Key MKC50A-ND		Digi-Key 626-1377-ND	Beckhoff ZK2020-3132-1000	C13 M8-RJ45, 0.2m
					Beckhoff ZK1090-3191-0004

Title Photodiode Amplifier		
Size B	Number D1301017	Revision 1
Date: 12/10/2013	Sheet 1 of 2	
File: D:\Users\...\PhotodiodeAmplifier1.SchDoc Drawn By: Paul Schwinberg		

Cable Assembly for Dual Photodiode Amplifier



E25	Female pin	E33	Male pin
E26	Female pin	E34	Male pin
E27	Female pin	E35	Male pin
E28	Female pin	E36	Male pin
E29	Female pin	E37	Male pin
E30	Female pin	E38	Male pin
E31	Female pin	E39	Male pin
E32	Female pin	E40	Male pin
Digi-Key WM8345-ND		Digi-Key WM8344-ND	

Title Photodiode Amplifier		
Size A	Number D1301017	Revision 1
Date: 12/10/2013	Sheet 2 of 2	
File: D:\Users\...\PhotodiodeAmplifier2.SchDoc	Drawn By: Daniel Sigg	