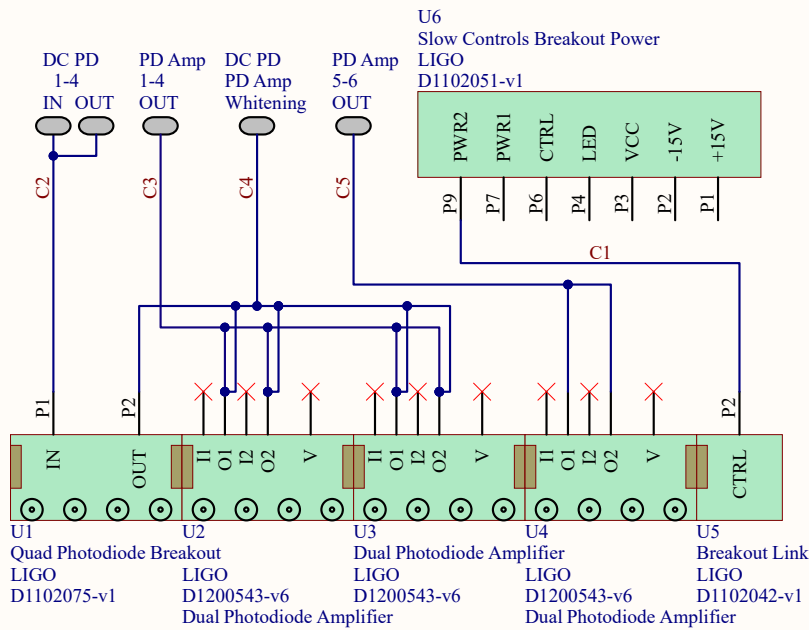


PD In/Out

Power



PD Monitors

U1 Quad Photodiode Breakout LIGO D1102075-v1
 U2 Dual Photodiode Amplifier LIGO D1200543-v6
 U3 Dual Photodiode Amplifier LIGO D1200543-v6
 U4 Dual Photodiode Amplifier LIGO D1200543-v6
 U5 Breakout Link LIGO D1102042-v1

U6 Slow Controls Breakout Power LIGO D1102051-v1

C1 Cable Assembly
 Digi-Key
 M3CCA-5018J-ND

C2 Cable Assembly
 Digi-Key
 H7PXH-0906G-ND

E33 Screwlock kit
 L-Com
 SDG400XS

E1 BNC lock washer
 E2 BNC nut
 E3 BNC lock washer
 E4 BNC nut
 E5 BNC lock washer
 E6 BNC nut
 E7 BNC lock washer
 Digi-Key
 A97567-ND
 E8 BNC nut
 Digi-Key
 A1128-ND

E9 BNC lock washer
 E10 BNC nut
 E11 BNC lock washer
 E12 BNC nut
 E13 BNC lock washer
 E14 BNC nut
 E15 BNC lock washer
 E16 BNC nut

E17 BNC lock washer
 E18 BNC nut
 E19 BNC lock washer
 E20 BNC nut
 E21 BNC lock washer
 E22 BNC nut
 E23 BNC lock washer
 E24 BNC nut

E25 BNC lock washer
 E26 BNC nut
 E27 BNC lock washer
 E28 BNC nut
 E29 BNC lock washer
 E30 BNC nut
 E31 BNC lock washer
 E32 BNC nut

E34 DB9F connector
 Digi-Key
 HFM09H-ND
 E35 10-pin header
 Digi-Key
 MKC10A-ND

H1 Handle, 1.25"
 H2 Handle, 1.25"
 Mouser
 534-9106
 H3 Ferrule
 H4 Ferrule
 H5 Ferrule
 H6 Ferrule
 Mouser
 534-9121

M1 #6-32 1/4" flat
 M2 #6-32 1/4" flat
 M3 #6-32 1/4" flat
 M4 #6-32 1/4" flat
 M5 #6-32 1/4" flat
 M6 #6-32 1/4" flat
 McMaster-Carr
 91099A205
 M7 #6-32 3/8" flat
 M8 #6-32 3/8" flat
 M9 #6-32 3/8" flat
 M10 #6-32 3/8" flat
 McMaster-Carr
 91099A215

E36 #6-32 1/4" flat
 E37 #6-32 1/4" flat
 E38 #6-32 1/4" flat
 E39 #6-32 1/4" flat
 E40 #6-32 1/4" flat
 McMaster-Carr
 91099A205

E41 #4-40 3/16" flat
 E42 #4-40 3/16" flat
 E43 #4-40 3/16" flat
 E44 #4-40 3/16" flat
 E45 #4-40 3/16" flat
 E46 #4-40 3/16" flat
 E47 #4-40 3/16" flat
 E48 #4-40 3/16" flat
 E49 #4-40 3/16" flat
 E50 #4-40 3/16" flat
 E51 #4-40 3/16" flat
 E52 #4-40 3/16" flat
 E53 #4-40 3/16" flat
 E54 #4-40 3/16" flat
 E55 #4-40 3/16" flat
 E56 #4-40 3/16" flat
 E57 #4-40 3/16" flat
 E58 #4-40 3/16" flat
 E59 #4-40 3/16" flat
 E60 #4-40 3/16" flat
 E61 #4-40 3/16" flat
 E62 #4-40 3/16" flat

PN1 1U chassis
 LIGO
 D070012-A

E63 #4-40 3/16" flat
 E64 #4-40 3/16" flat
 E65 #4-40 3/16" flat
 E66 #4-40 3/16" flat
 E67 #4-40 3/16" flat
 E68 #4-40 3/16" flat
 E69 #4-40 3/16" flat
 E70 #4-40 3/16" flat
 E71 #4-40 3/16" flat
 E72 #4-40 3/16" flat
 E73 #4-40 3/16" flat
 E74 #4-40 3/16" flat
 E75 #4-40 3/16" flat
 E76 #4-40 3/16" flat
 E77 #4-40 3/16" flat
 E78 #4-40 3/16" flat
 E79 #4-40 3/16" flat
 E80 #4-40 3/16" flat
 E81 #4-40 3/16" flat
 E82 #4-40 3/16" flat
 E83 #4-40 3/16" flat
 E84 #4-40 3/16" flat

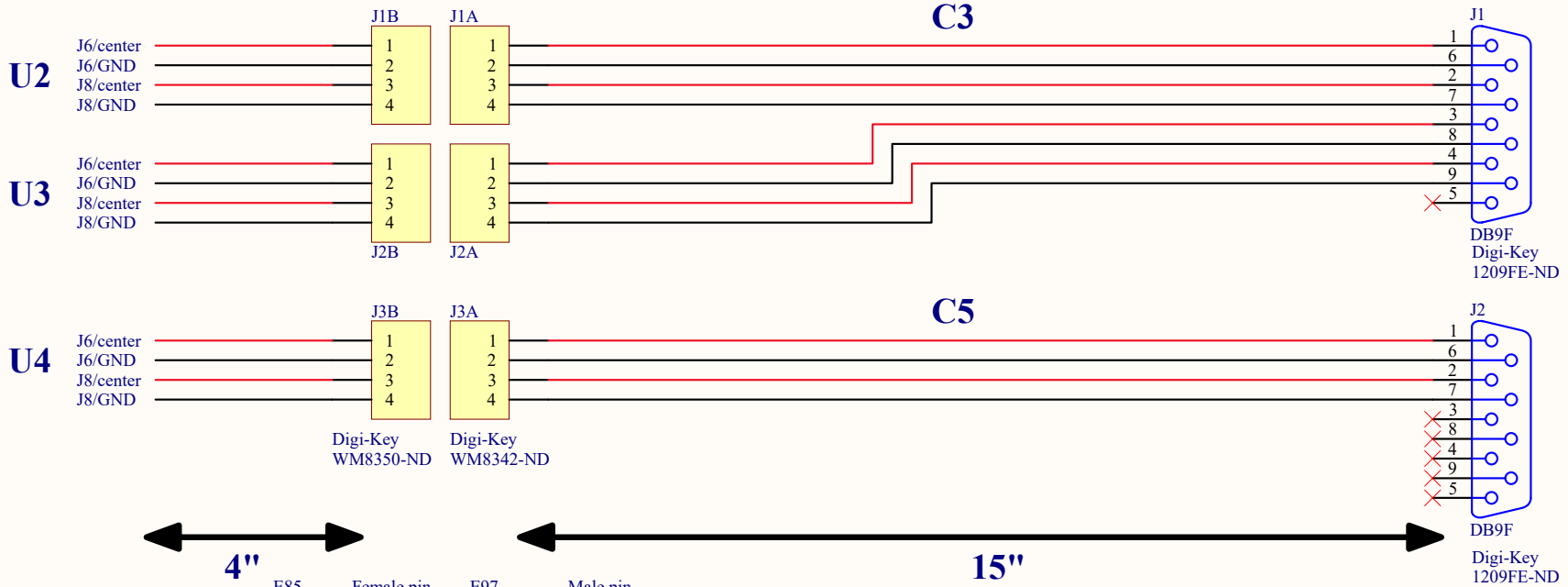
PN2 Front Panel
 LIGO
 D2000506-v1
 PN3 Rear Panel
 LIGO
 D2000507-v1

Flatt-ribbon cable C2 loops through DB9F to 10-pin header. Male is IN.

Title Controls Concentrator Aux 9 Assembly

Size A	Number D2000505	Revision 1
Date: 2/12/2021	Sheet of 3	
File: C:\Users\...\ConcentratorAux9Assembly1	Soldered By: Daniel Sigg	

Cable Assembly for Dual Photodiode Amplifier

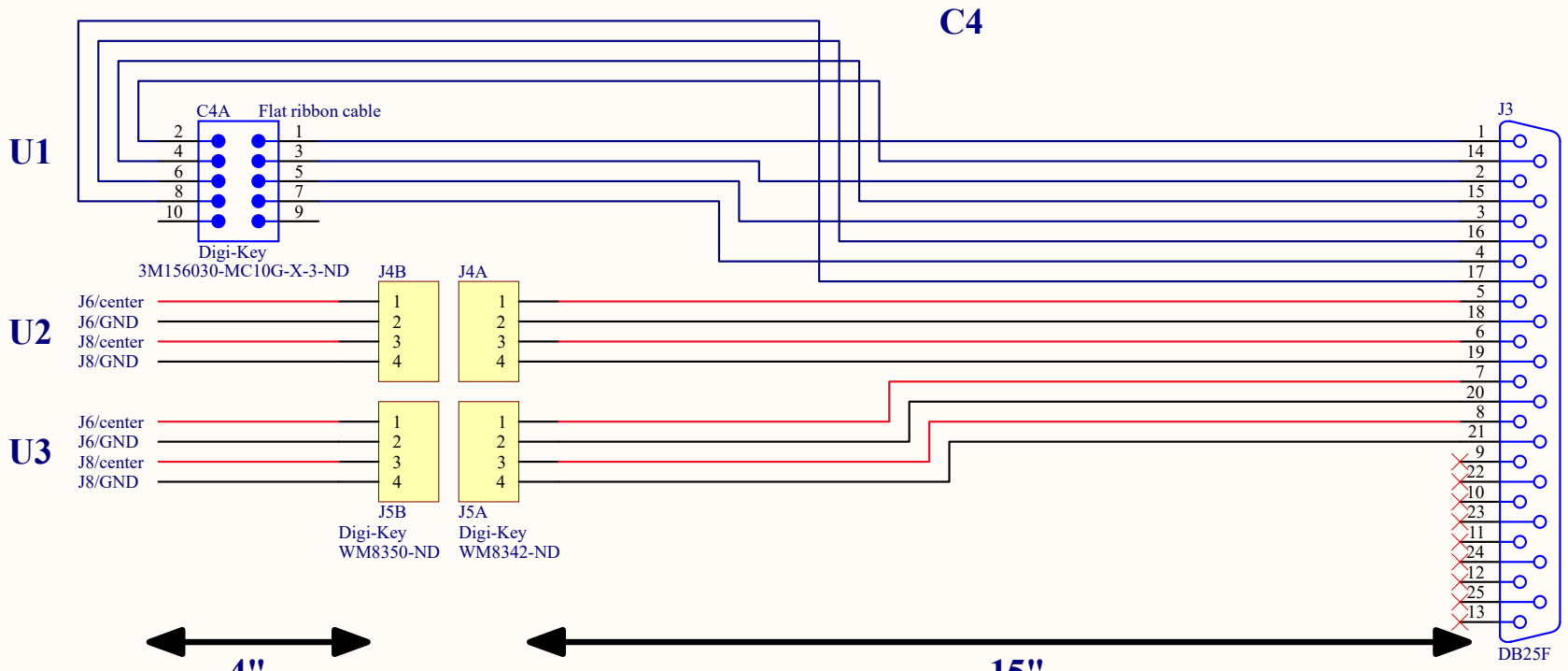


E85	Female pin	E97	Male pin
E86	Female pin	E98	Male pin
E87	Female pin	E99	Male pin
E88	Female pin	E100	Male pin
E89	Female pin	E101	Male pin
E90	Female pin	E102	Male pin
E91	Female pin	E103	Male pin
E92	Female pin	E104	Male pin
E93	Female pin	E105	Male pin
E94	Female pin	E106	Male pin
E95	Female pin	E107	Male pin
E96	Female pin	E108	Male pin
Digi-Key WM3297CT-ND		Digi-Key WM3296CT-ND	

C3 and C4 need to be soldered into U2/U4 to the same pads.

Title Controls Concentrator Aux 9 Assembly		
Size A	Number D2000505	Revision 1
Date: 2/12/2021	Sheet 3	Of 3
File: C:\Users\...\ConcentratorAux9Assembly2... Solder By: Daniel Sigg		

Cable Assembly for Dual Photodiode Amplifier



E109	Female pin	E117	Male pin
E110	Female pin	E118	Male pin
E111	Female pin	E119	Male pin
E112	Female pin	E120	Male pin
E113	Female pin	E121	Male pin
E114	Female pin	E122	Male pin
E115	Female pin	E123	Male pin
E116	Female pin	E124	Male pin
Digi-Key WM3297CT-ND		Digi-Key WM3296CT-ND	

C3 and C4 need to be soldered into U2/U4 to the same pads.
C4A is a flat-ribbon cable, ends need to be soldered into J3.

Title			Controls Concentrator Aux 9 Assembly		
Size	Number	Revision			
A	D2000505	1			
Date:	2/12/2021	Sheet	2 of 3		
File:	C:\Users\...\ConcentratorAux9Assembly3.SchDoc		By:	Daniel Sigg	