

4 Feedthroughs

TM OSEMs



For testing the suspension outside the vacuum tank, there should be a supply of plain M-M gender changers to replace the combination of Feedthrough+Anti-Feedthrough adapter cable.

Title PR2 Suspension Cabling - Test Mass OSEMs		
Size A3	Number JGW-D1503614	Revision -v2
Date: 2015/08/04	Sheet of 7	Drawn By:
File: Z:\Work\TM OSEMs.SchDoc		

6 Feedthroughs

IM OSEMs

OSEM

IM OSEM to BF Cable JGW-D1503901 Sheet 02

OSEM BF-TR Signal Cable JGW-D1503901 Sheet 17

Type Bp to Flange Cable

Feedthrough

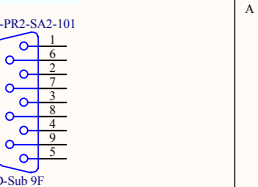
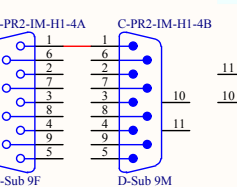
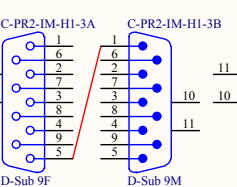
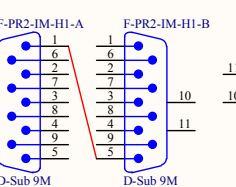
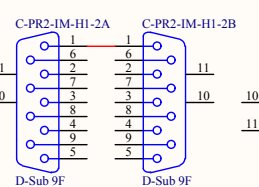
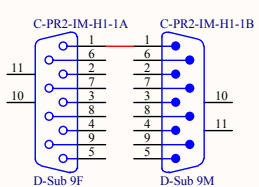
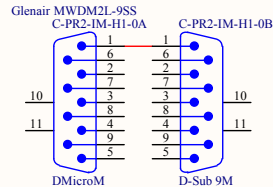
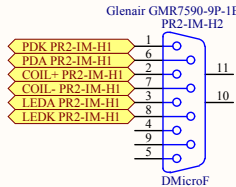
Anti-Feedthrough Adapter Cable

OSEM External Cable

Sat Amp #2 D1402809

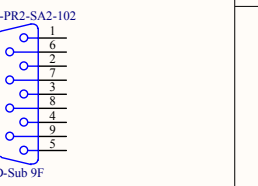
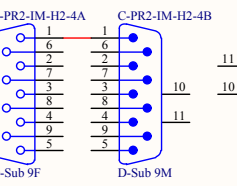
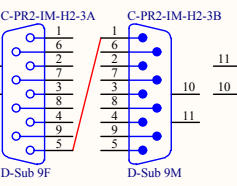
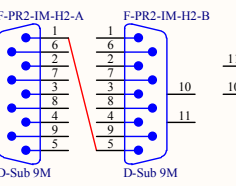
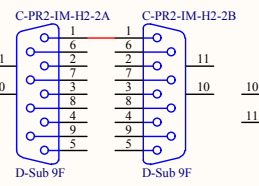
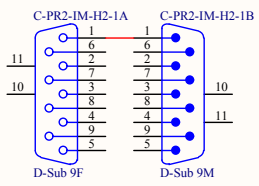
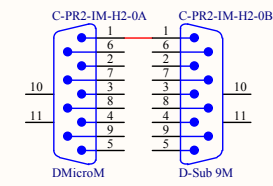
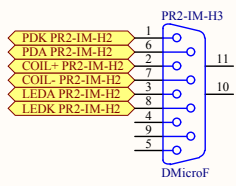
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A



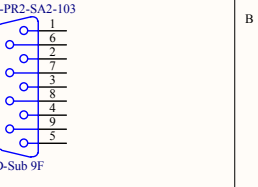
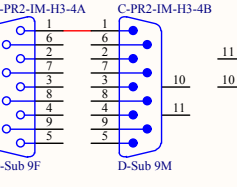
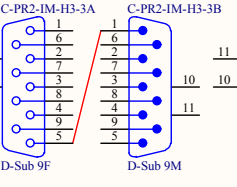
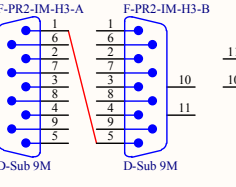
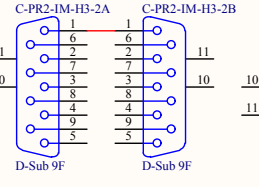
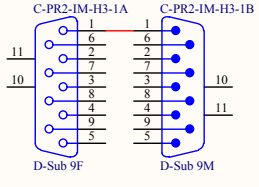
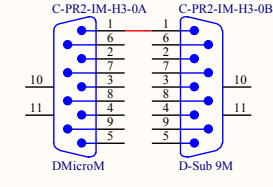
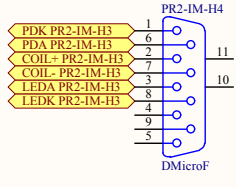
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B



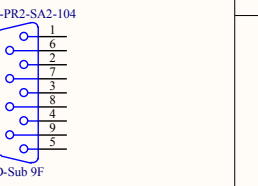
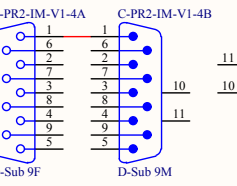
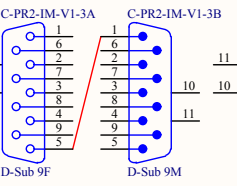
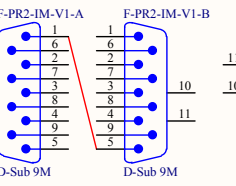
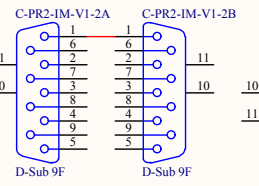
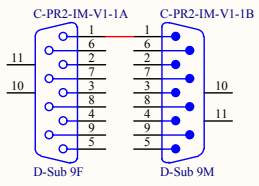
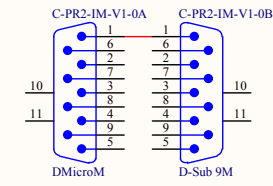
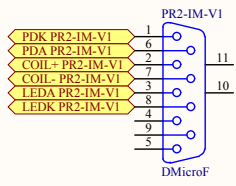
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C



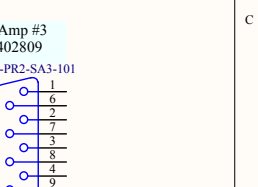
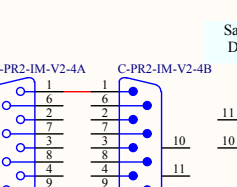
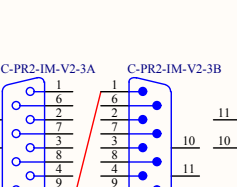
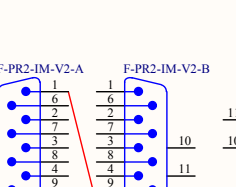
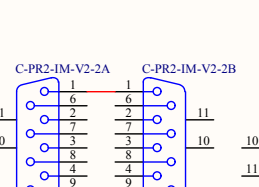
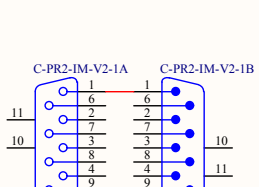
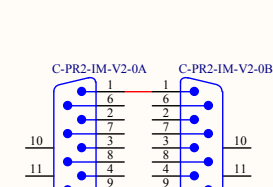
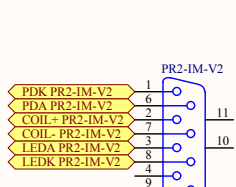
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D



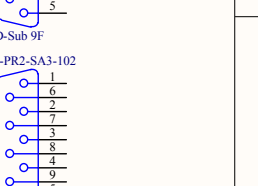
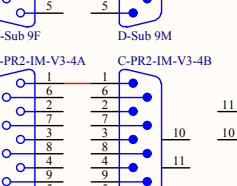
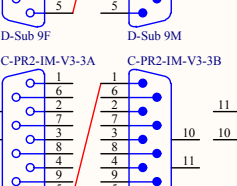
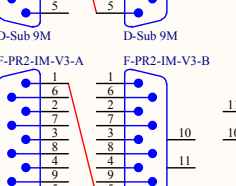
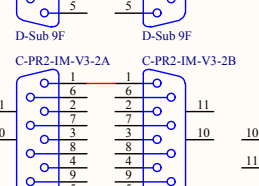
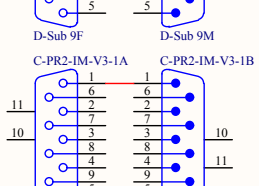
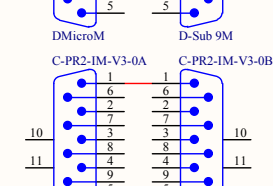
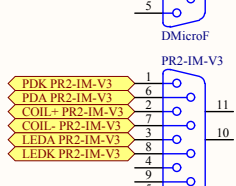
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C



D

D

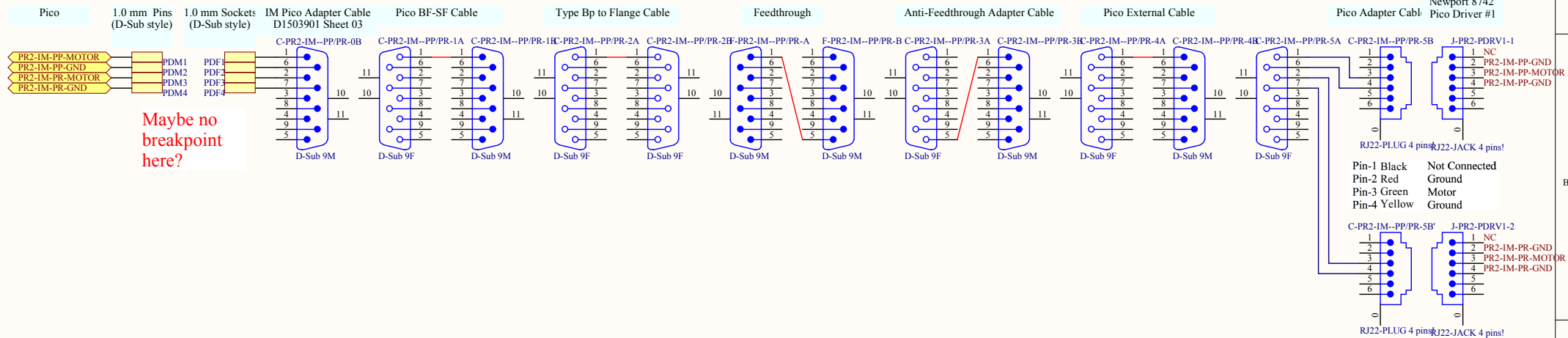


J-PR2-SA3-103 and J-PR2-SA3-104 not used

Title PR2 Suspension Cabling - Intermediate Mass OSEMs		
Size A3	Number JGW-D1503614	Revision -v2
Date: 2015/08/04	Sheet 2of 7	
File: Z:\Work\IM OSEMs.SchDoc	Drawn By:	

1 Feedthrough

IM Picomotors

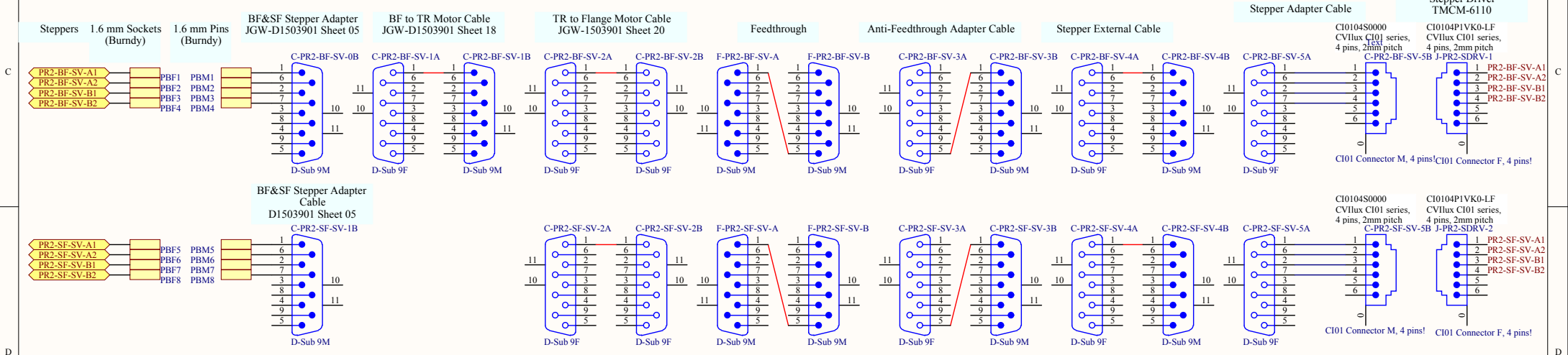
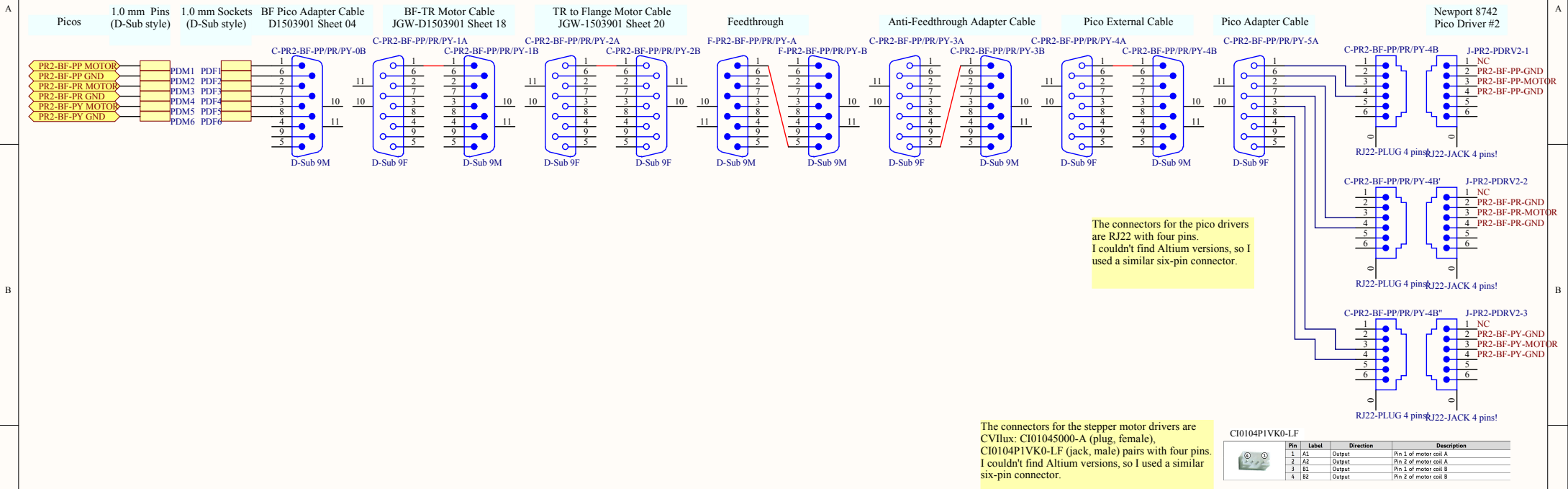


Title PR2 Suspension Cabling - Intermediate Mass Picos			
Size A3	Number JGW-D1503614	Revision -v2	
Date: 2015/08/04	Sheet 3 of 7	Drawn By:	
File: Z:\Work\IM Picos.SchDoc			

BF and SF Picomotors and Steppers

3 Feedthroughs

Pin-1 Black Not Connected
Pin-2 Red Ground
Pin-3 Green Motor
Pin-4 Yellow Ground



Title			PR2 Suspension Cabling - Bottom and Standard Filter Picos/Steppers		
Size	Number	Revision			
A3	JGW-D1503614	-v2			
Date:	2015/08/04	Sheet	4of 7		
File:	Z:\Work\BF&SF Picos&Steppers.Sch	Drawn By:			

BF and SF LVDT/ACTs

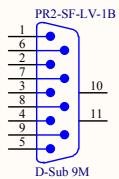
2 Feedthroughs

LVDT/Act
PR2-SF-LV

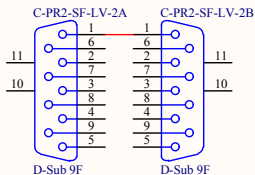
BF&SF LVDT Adapter Cable
JGW-D1503901 Sheet 06



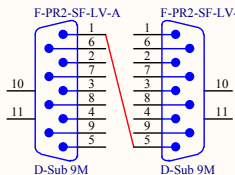
TBD



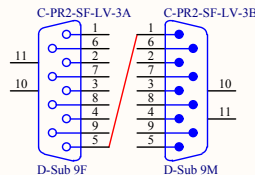
Type Bp to Flange Cable



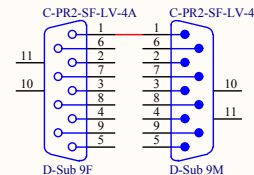
Feedthrough



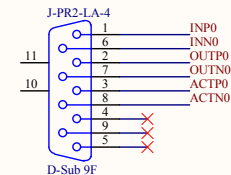
Feedthrough Adapter Cable



External Cable

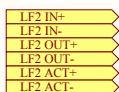


LVDT/ACT Distributor
JGW-D1402124

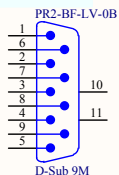


LVDT/Act

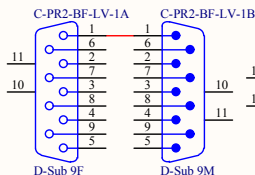
BF&SF LVDT Adapter Cable
JGW-D1503901 Sheet 06



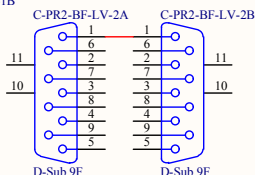
TBD



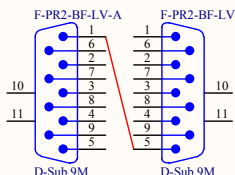
PR2-BF-PI Cable



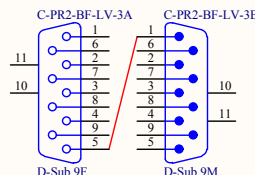
Type Bp to Flange Cable



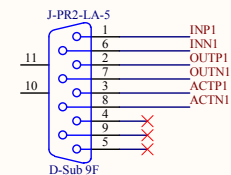
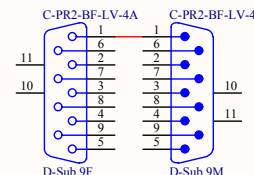
Feedthrough



Feedthrough Adapter Cable



External Cable

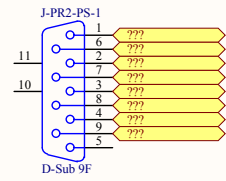
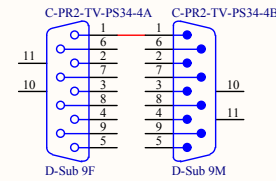
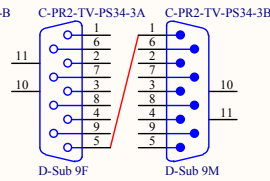
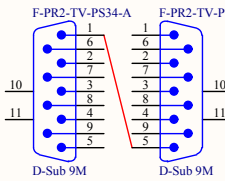
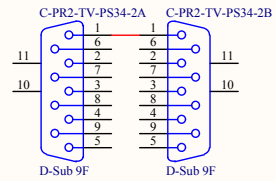
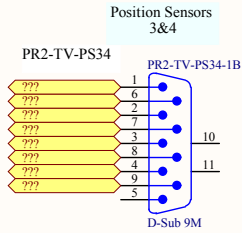
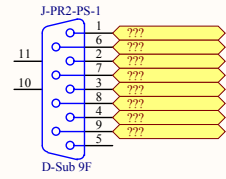
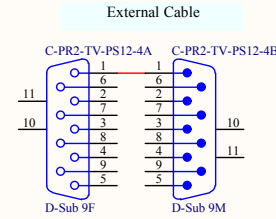
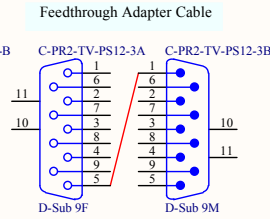
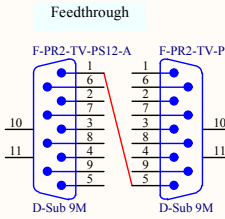
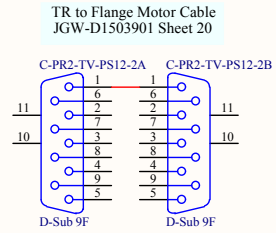
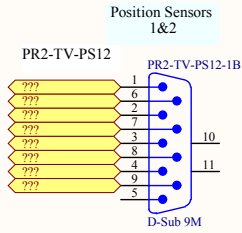


J-PR2-LA-6 and J-PR2-LA-7 not used

Title			PR2 Suspension Cabling - Bottom and Standard Filter LVDTs		
Size	Number	Revision			
A3	JGW-D1503614	-v2			
Date:	2015/08/04	Sheet	5 of 7		
File:	Z:\Work\BF&SF LVDTs.SchDoc	Drawn By:			

Very rough approximation!

Assume sensor signals are robust, so we can use motor-type cable

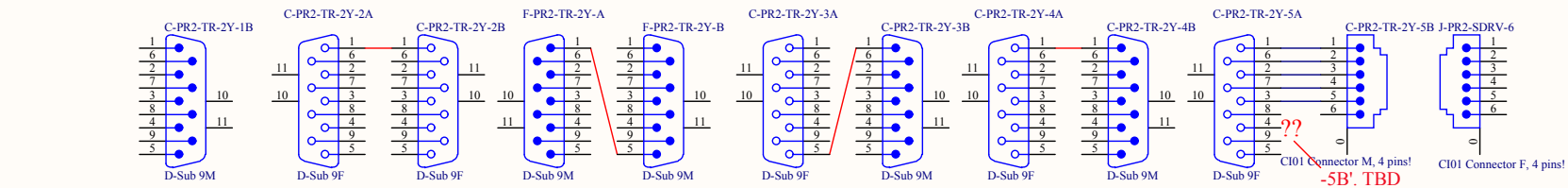
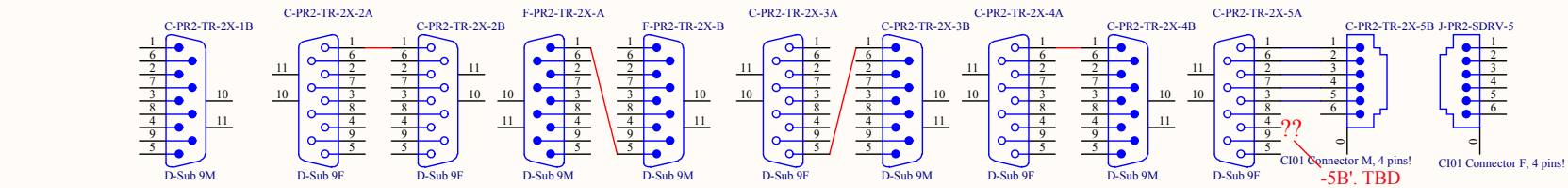
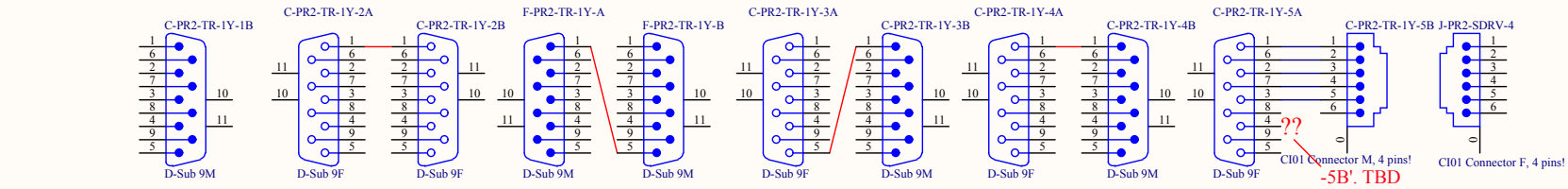
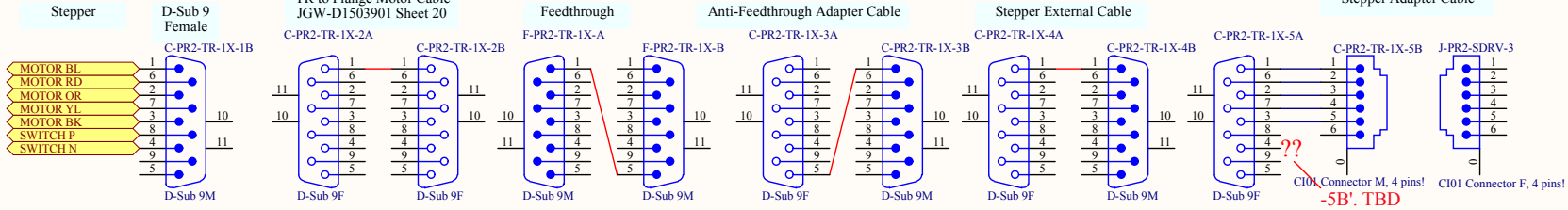


Title		
PR2 Suspension Cabling - Traverser Steppers and Position Sensors		
Size	Number	Revision
A3	JGW-D1503614	-v2
Date:	2015/08/04	Sheet 6 of 7
File:	Z:\Work\TR Position Sensors.SchDoc	Drawn By:

4 Feedthroughs

Traverser Steppers

Stepper Driver
CVD507-K



Title PR2 Suspension Cabling - Traverser Steppers		
Size A3	Number JGW-D1503614	Revision -v2
Date: 2015/08/04	Sheet 7 of 7	
File: Z:\Work\TR Steppers.SchDoc	Drawn By:	