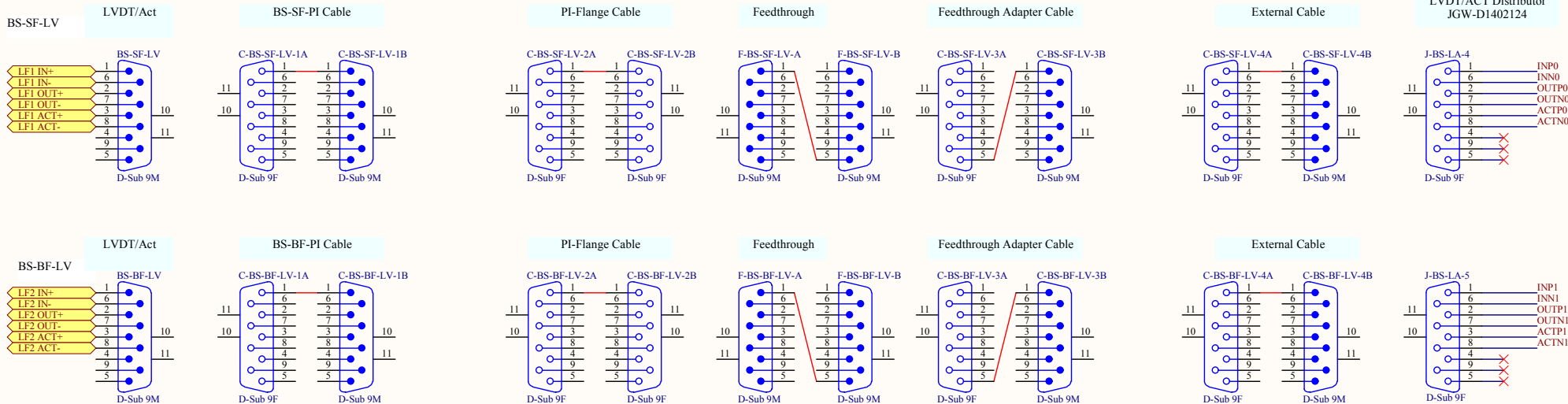


BF and SF LVDT/ACTs

2 Feedthroughs



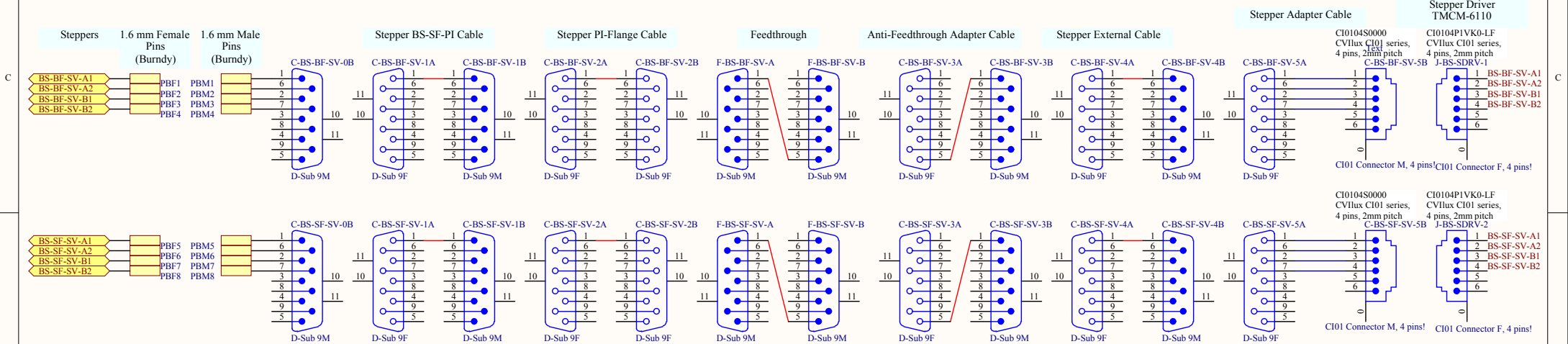
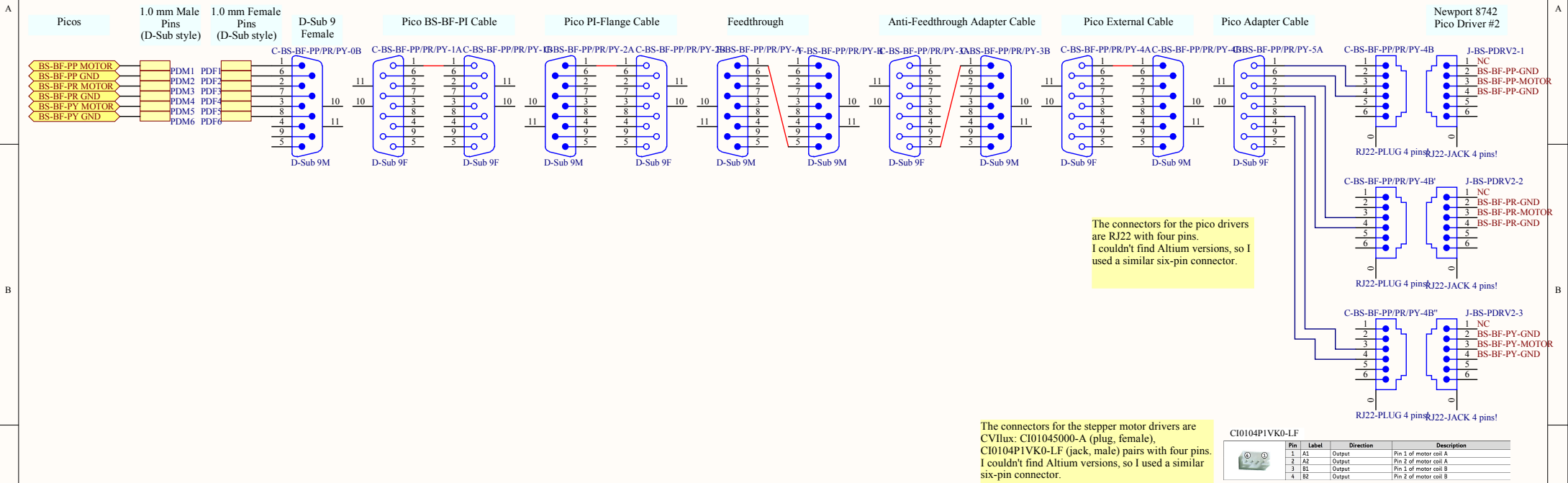
J-BS-LA-6 and J-BS-LA-7 not used

Title			BS Suspension Cabling - Bottom and Standard Filter LVDTs		
Size	Number	Revision			
A3	JGW-D1503382	-v1			
Date:	2015/06/08	Sheet of			
File:	Z:\Work\BF&SF LVDTs.SchDoc	Drawn By:			

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 BS Suspension Cabling - Bottom and Standard Filter Picos/Steppers			
Size A3	Number JGW-D1503382	Revision -v1	
Date 2015/06/08	Sheet of 10		Drawn By:
File: Z:\Work\BF&SF Picos&Steppers.SchDoc	Drawn By:		

6 Feedthroughs

IM OSEMs

OSEM

OSEM-BF Cable

OSEM BF-PI Cable

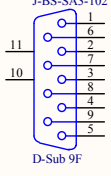
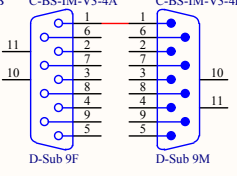
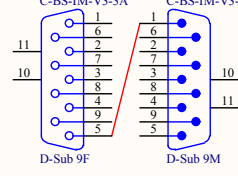
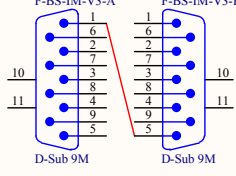
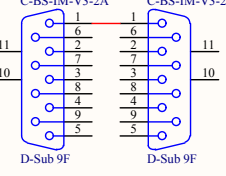
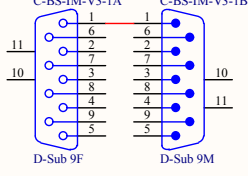
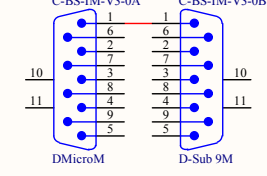
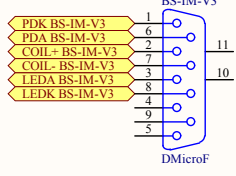
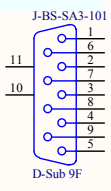
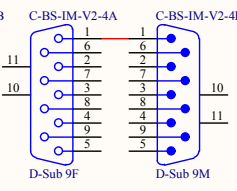
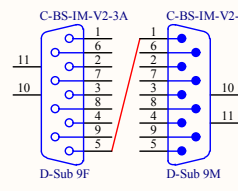
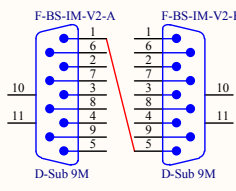
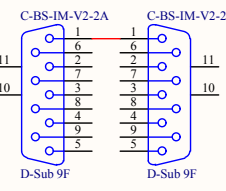
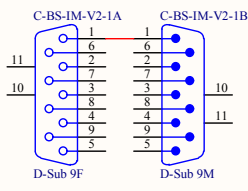
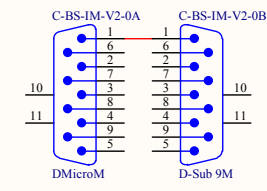
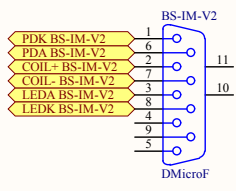
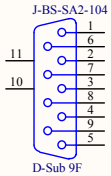
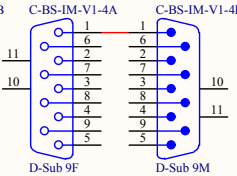
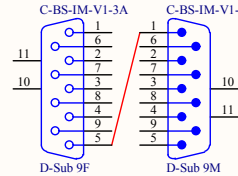
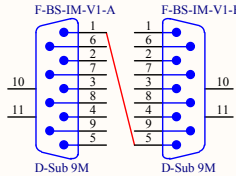
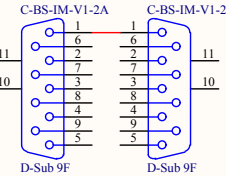
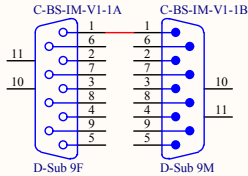
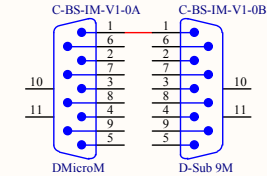
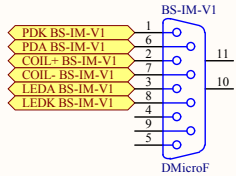
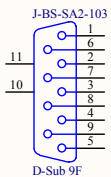
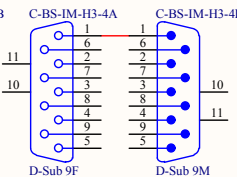
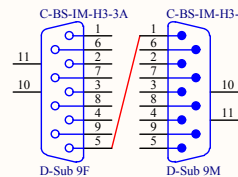
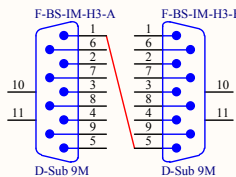
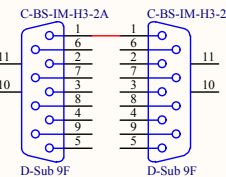
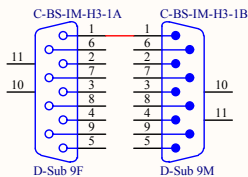
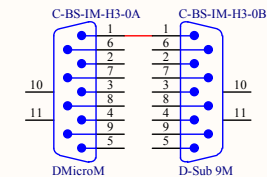
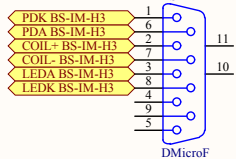
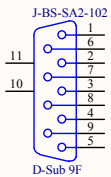
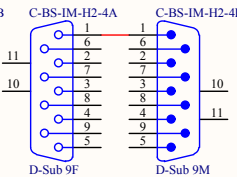
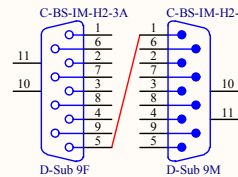
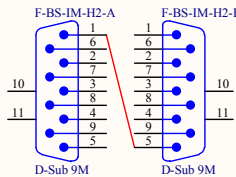
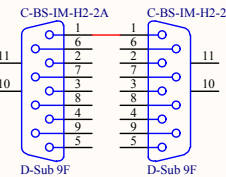
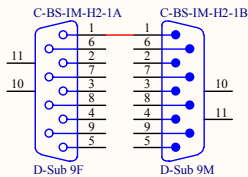
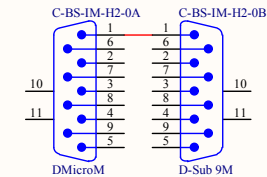
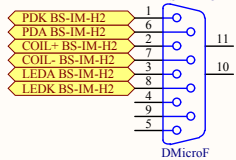
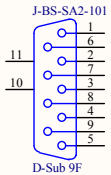
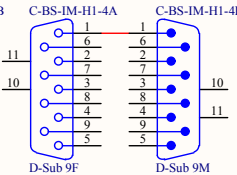
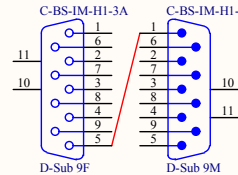
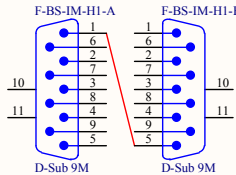
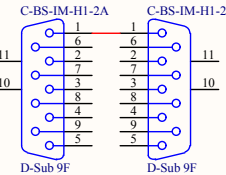
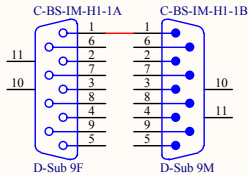
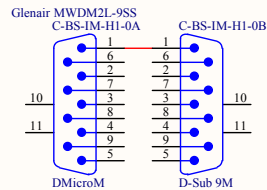
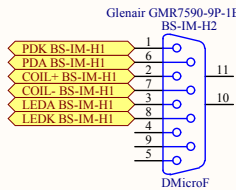
OSEM PI-Flange Cable

Feedthrough

Anti-Feedthrough Adapter Cable

OSEM External Cable

Sat Amp #2 D1402809



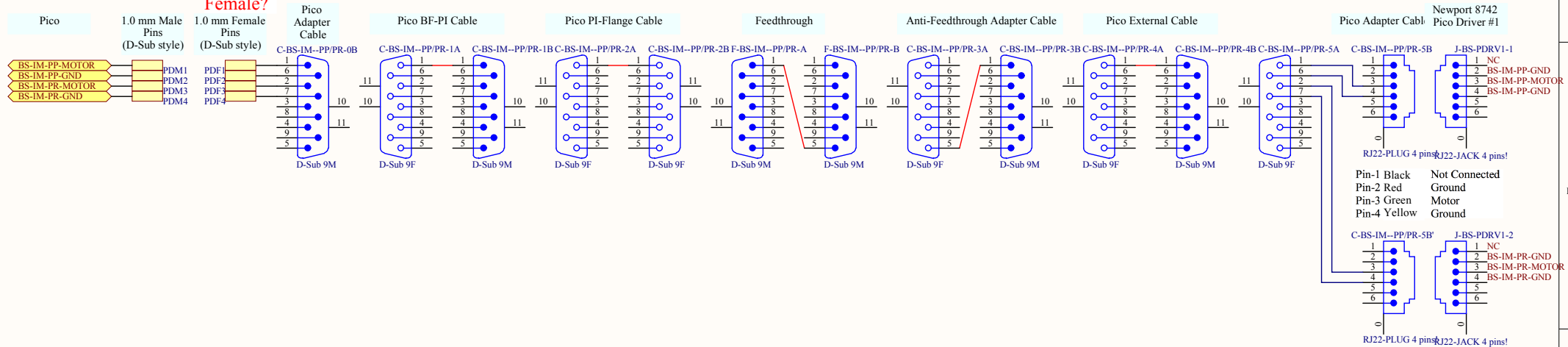
J-BS-SA3-103 and J-BS-SA3-104 not used

Title BS Suspension Cabling - Intermediate Mass OSEMs		
Size A3	Number JGW-D1503382	Revision -v1
Date: 2015/06/08	Sheet of	
File: Z:\Work\IM OSEMs.SchDoc	Drawn By:	

1 Feedthrough

IM Picomotors

Maybe
D-Sub
Female?



Title BS Suspension Cabling - Intermediate Mass Picos			
Size A3	Number JGW-D1503382	Revision -v1	
Date: 2015/06/08	Sheet of 1	Sheet of 1	Drawn By:
File: Z:\Work\IM Picos.SchDoc			

3 Feedthroughs

Preisolator Geophones

Geophone Pod Internal Cabling
(same for all three pods):

Pod #1: geophone L400002322, preamp 15
Pod #2: geophone L400002321, preamp 12
Pod #3: geophone L400002323, preamp 14



Geophone Pod

Geophone Adapter Cable

Geophone-PI Cable

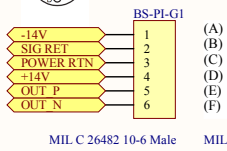
BS-PI-Flange Cable

Feedthrough

Anti-Feedthrough Adapter Cable

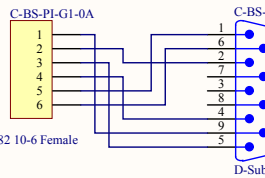
Geophone External Cable

Geophone Distributor
JGW-D1402120



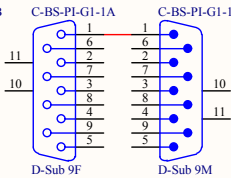
(A)
(B)
(C)
(D)
(E)
(F)

MIL C 26482 10-6 Male



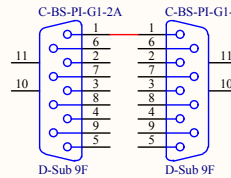
MIL C 26482 10-6 Female

D-Sub 9M



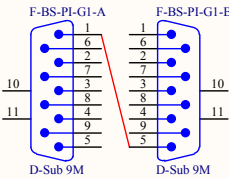
D-Sub 9F

D-Sub 9M



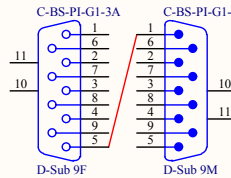
D-Sub 9F

D-Sub 9F



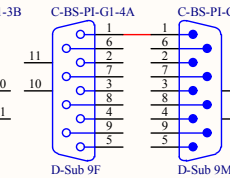
D-Sub 9M

D-Sub 9M



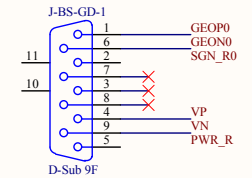
D-Sub 9F

D-Sub 9M

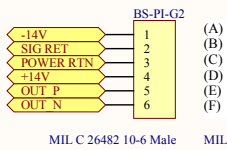


D-Sub 9F

D-Sub 9M

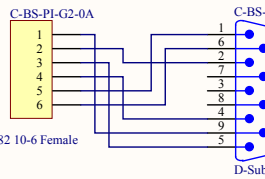


D-Sub 9F



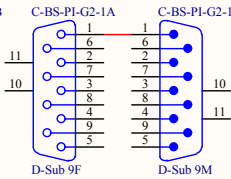
(A)
(B)
(C)
(D)
(E)
(F)

MIL C 26482 10-6 Male



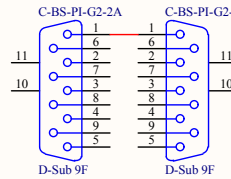
MIL C 26482 10-6 Female

D-Sub 9M



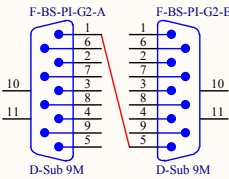
D-Sub 9F

D-Sub 9M



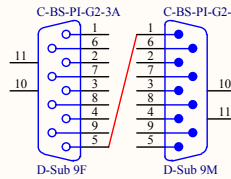
D-Sub 9F

D-Sub 9F



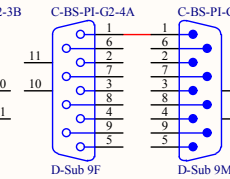
D-Sub 9M

D-Sub 9M



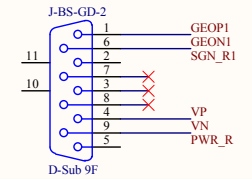
D-Sub 9F

D-Sub 9M

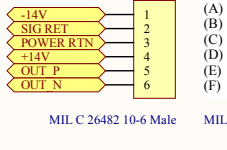


D-Sub 9F

D-Sub 9M

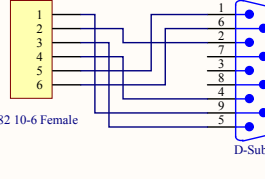


D-Sub 9F



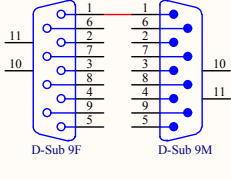
(A)
(B)
(C)
(D)
(E)
(F)

MIL C 26482 10-6 Male



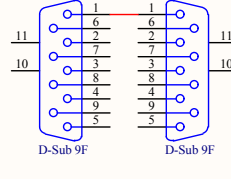
MIL C 26482 10-6 Female

D-Sub 9M



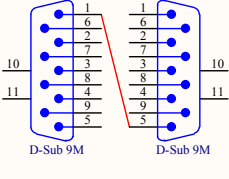
D-Sub 9F

D-Sub 9M



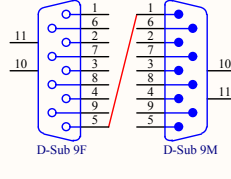
D-Sub 9F

D-Sub 9F



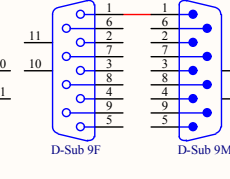
D-Sub 9M

D-Sub 9M



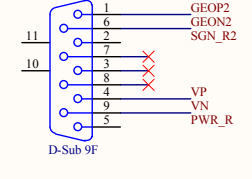
D-Sub 9F

D-Sub 9M



D-Sub 9F

D-Sub 9M



D-Sub 9F

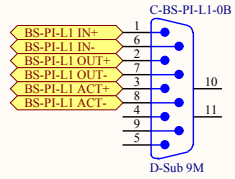
J-BS-GD-4 not used

Title			BS Suspension Cabling - Preisolator Geophones		
Size	Number	JGW-D1503382		Revision	-v1
A3					
Date:	2015/06/08	Sheet	of		
File:	Z:\Work\PI Geophones.SchDoc	Drawn	By:		

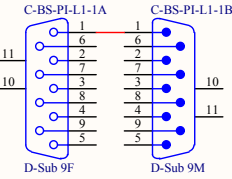
4 Feedthroughs

Preisolator LVDT/ACTs

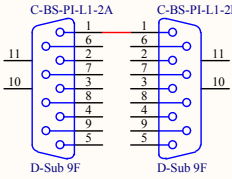
LVDT/ACT



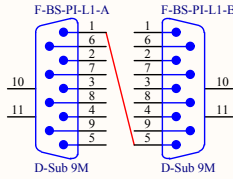
LVDT/ACT-PI Cable



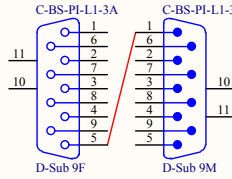
BS-PI-Flange Cable



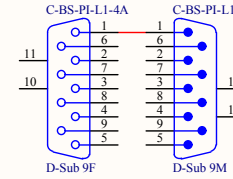
Feedthrough



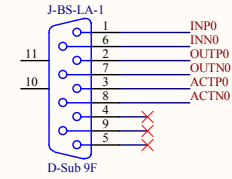
Anti-Feedthrough Adapter Cable



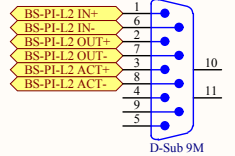
LVDT/ACT External Cable



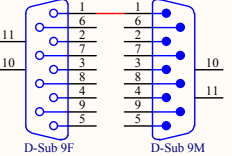
LVDT/ACT Distributor
JGW D1402124



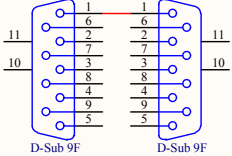
C-BS-PI-L2-0B



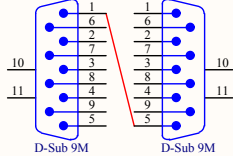
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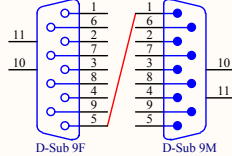
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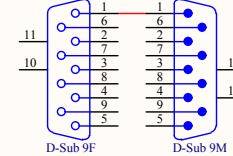
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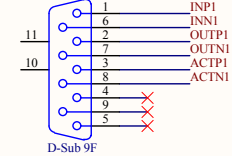
C-BS-PI-L2-3A



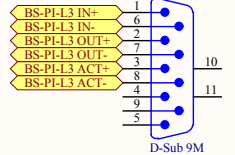
C-BS-PI-L2-4A



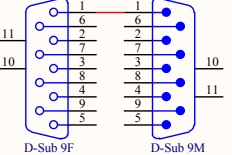
J-BS-LA-2



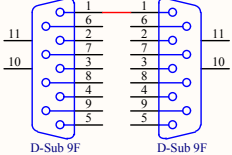
C-BS-PI-L3-0B



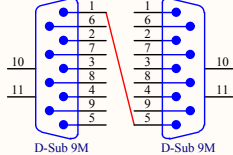
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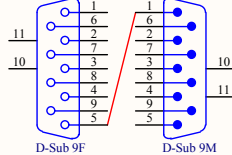
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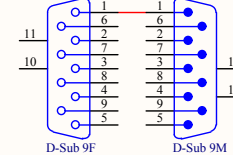
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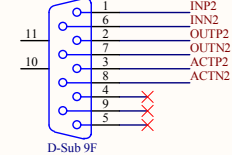
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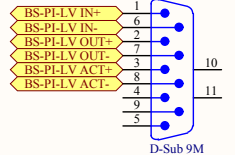
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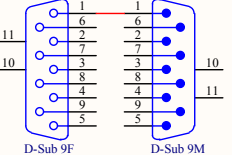
J-BS-LA-3



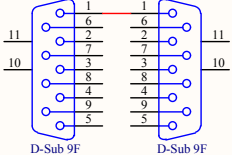
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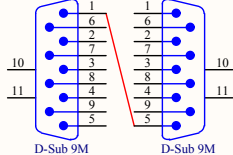
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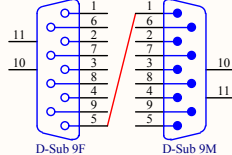
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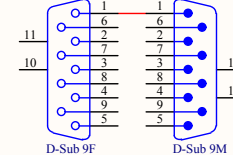
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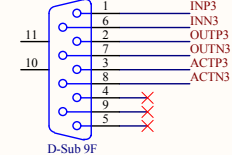
C-BS-PI-LV-3A



C-BS-PI-LV-4A



J-BS-LA-4



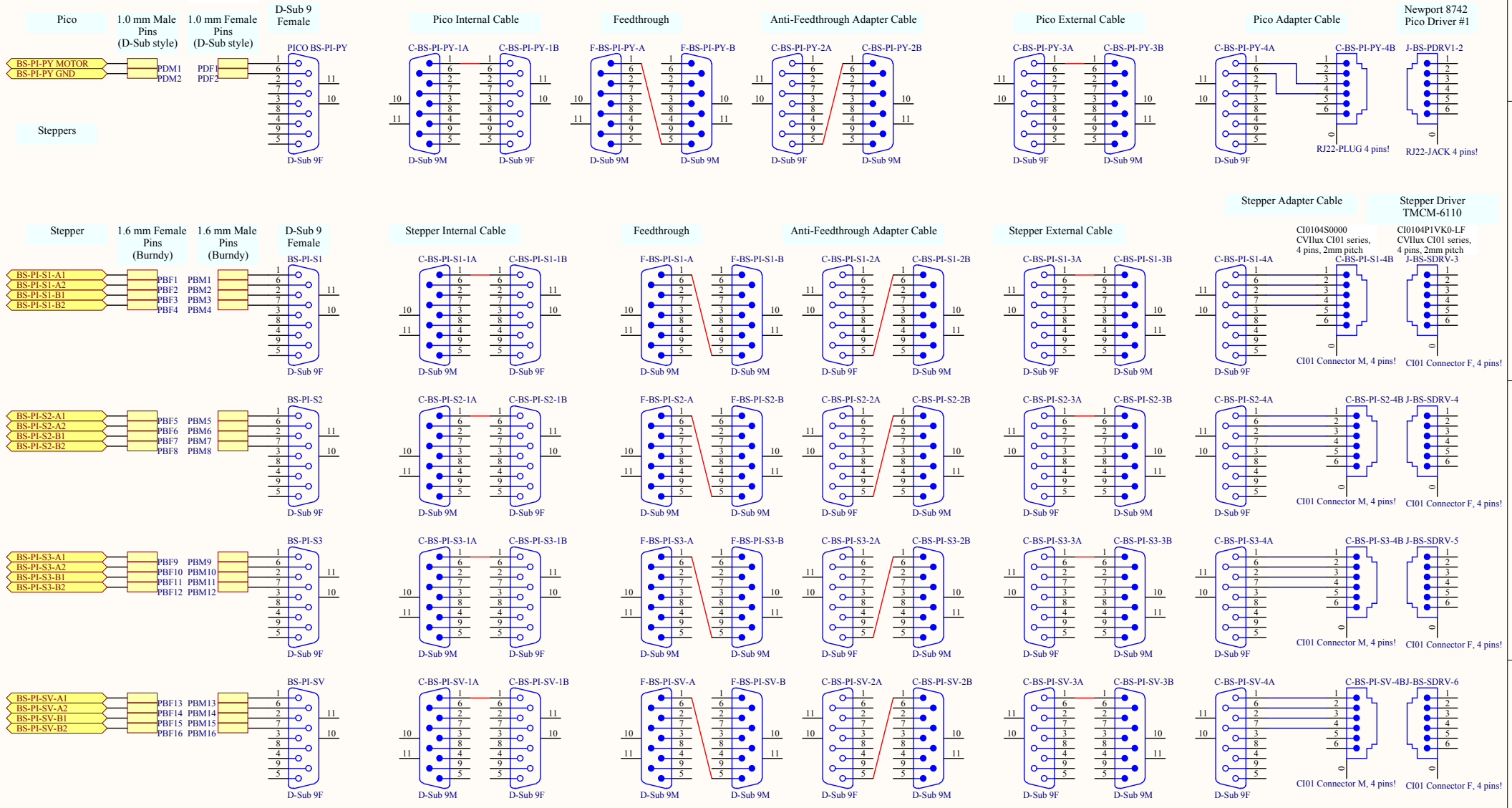
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BS Suspension Cabling - Preisolator LVDT/Actuators			
Size	Number	Revision	
A3	JGW-D1503382	-v1	
Date:	2015/06/08	Sheet of	
File:	Z:\Work\PI LVDTs.SchDoc	Drawn By:	

5 Feedthroughs

Preisolator Steppers/Pico

Maybe D-Sub Female?

The connectors for the stepper motor drivers are CVIlux: C101045000-A (plug, female), C10104P1VK0-LF (jack, male) pairs with four pins. I couldn't find Altium versions, so I used a similar six-pin connector.



The connectors for the pico drivers are RJ22 with four pins. I couldn't find Altium versions, so I used a similar six-pin connector.

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

Title BS Suspension Cabling - Preisolator Steppers and Picomotor		
Size A3	Number JGW-D1503382	Revision -v1
Date: 2015/06/08	Sheet of	
File: Z:\Work\PI Picos&Steppers\SchDoc	Drawn By:	

4 Feedthroughs

TM OSEMs



S <-> 1 pin flip, M <-> M,
for use without feedthrough

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 BS Suspension Cabling - Test Mass OSEMs		
Size A3	Number JGW-D1503382	Revision -v1
Date: 2015/06/08	Sheet of	Drawn By:
File: Z:\Work\TM OSEMs\SchDoc		