

MWDM2L-9SSB



J2, J3, J4, J5 - 9 Pin Fem micro-dsub

MDM-BT-9TE-SJS



J2, J3, J4, J5 - 9 Pin micro-dsub Backshell



J1 - UHV Connector 25D Male
PEEK PN 100421

PEEK PN 100465

D25 with 4 - 1/4" O.D. Tubes

MSC # 87872057

Drain Wire must be added between the copper braid and tube to connect to the pins

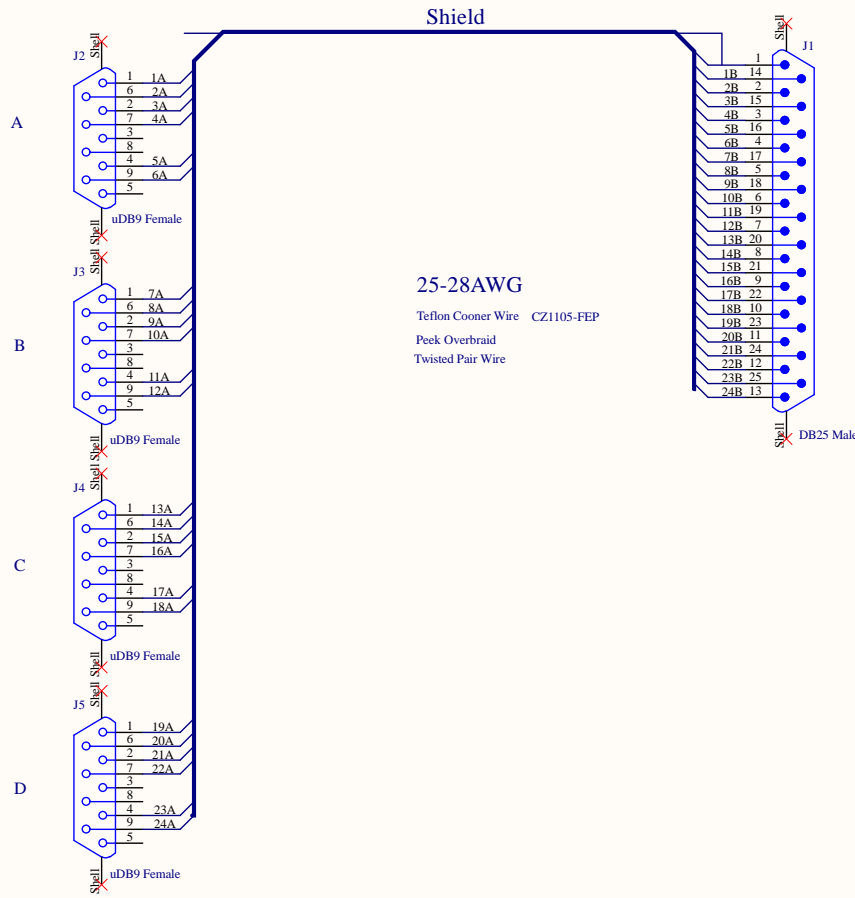


1/4" Tube OD Stainless Steel Compression Tube Insert MSC # 87872057

The Accuglass strain relief peek pn 100465

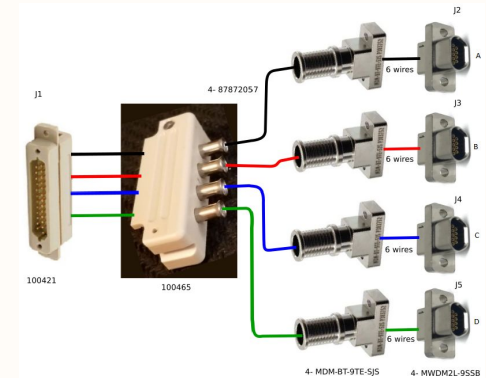
The band clamps are Micro Band Clamps PN 601-025 from Glenair

Pin Information		
J1 pin 1 to Shield	Connect cable Shield as pic	
J1 pin 14 to J2 pin 1	Twisted Pair 1	
J1 pin 2 to J2 pin 6	Twisted Pair 1	
J1 pin 15 to J2 pin 2	Twisted Pair 2	
J1 pin 3 to J2 pin 7	Twisted Pair 2	
J1 pin 16 to J2 pin 4	Twisted Pair 3	
J1 pin 4 to J2 pin 9	Twisted Pair 3	
uDB9 Female		
J1 pin 17 to J3 pin 1	Twisted Pair 4	
J1 pin 5 to J3 pin 6	Twisted Pair 4	
J1 pin 18 to J3 pin 2	Twisted Pair 5	
J1 pin 6 to J3 pin 7	Twisted Pair 5	
J1 pin 19 to J3 pin 4	Twisted Pair 6	
J1 pin 7 to J3 pin 9	Twisted Pair 6	
uDB9 Female		
J1 pin 20 to J4 pin 1	Twisted Pair 7	
J1 pin 8 to J4 pin 6	Twisted Pair 7	
J1 pin 21 to J4 pin 2	Twisted Pair 8	
J1 pin 9 to J4 pin 7	Twisted Pair 8	
J1 pin 22 to J4 pin 4	Twisted Pair 9	
J1 pin 10 to J4 pin 9	Twisted Pair 9	
uDB9 Female		
J1 pin 23 to J5 pin 1	Twisted Pair 10	
J1 pin 11 to J5 pin 6	Twisted Pair 10	
J1 pin 24 to J5 pin 2	Twisted Pair 11	
J1 pin 12 to J5 pin 7	Twisted Pair 11	
J1 pin 25 to J5 pin 4	Twisted Pair 12	
J1 pin 13 to J5 pin 9	Twisted Pair 12	
uDB9 Female		



25-28AWG

Teflon Cooner Wire CZ1105-FEP
Peek Overbraid
Twisted Pair Wire



Title		Last Edited: 2/8/2021	
BOSEM Cable with 4 9pin micro-dsubs		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology	
Size: B	DCC Number: D2100049	Revision: v1	Engineer: L.Sanchez
File: C:\Users\Public\Documents\Altium\Projects\BOSEM Cable\BOSEM Cable.SchDoc		Date: 2/8/2021	Time: 3:54:44 PM
		Sheet 2 of 2	