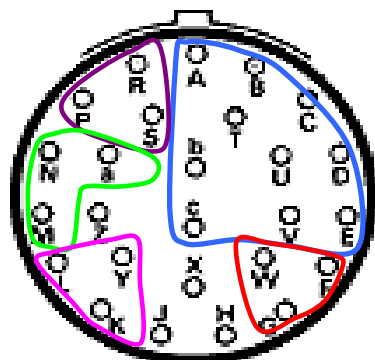


AMBER-SPG CABLING

PMW-MOTOR



C1

outside cryostat

cryostat box

inside cryostat

radiation shield

Connector C1M

PT07H-16-26-P
(Amphenol MIL-C-26482)
Male

LakeShore Wire

HD-30 (motor phases)

QL-32 (motor switches)

Connector SDR1

SubD connector 25 poles
Female

Connector SDF1-1

SubD connector 25 poles
Male

Flat cable

3M 2010-25 (28 AWG 1.27mm)

Connector SDF1-2

SubD connector 25 poles
Male

Connector C1M=C1F	Function	Connector SDR1	Connector SDF1-1	Connector SDF1-2
A	W5A (brown)	1	1	1
B	W3A (pink-orange)	2	2	2
C	W1A (yellow)	3	3	3
D	W4E (black)	4	4	4
E	W2E (red)	5	5	5
R	Home2-Gnd	6	6	6
S	Home2-O	7	7	7
a	not used Home1-C	8	8	8
N	Home1-Gnd	9	9	9
M	Home1-O	10	10	10
Y	CCW-Gnd	11	11	11
X	CW-O	12	12	12
J	not used CW-C	13	13	13
c	W4A (grey)	14	14	14
b	W2A (blue)	15	15	15

T		W5E	(violet)	16	16	16	1
U		W3E	(green)	17	17	17	
V		W1E	(white)	18	18	18	
P	not used	Home2-C		19	19	19	
W	not used	Shaft-C		20	20	20	
F		<u>Shaft-Gnd</u>		21	21	21	
G		<u>Shaft-O</u>		22	22	22	
L	not used	CCW-C		23	23	23	
K		<u>CCW-O</u>		24	24	24	
H		<u>CW Gnd</u>		25	25	25	
Z	NOT CONNECTED INSIDE CRYOSTAT						

NOTE: Connector C1M is on the cryostat box and is a male type

CW	clockwise
CCW	counter-clockwise
Home1	first "switch"
Home2	second (spare) "home" switch
Shaft	motor shaft "home" switch
Gnd	ground
O	normally open
C	normally closed
W##	motor phases