

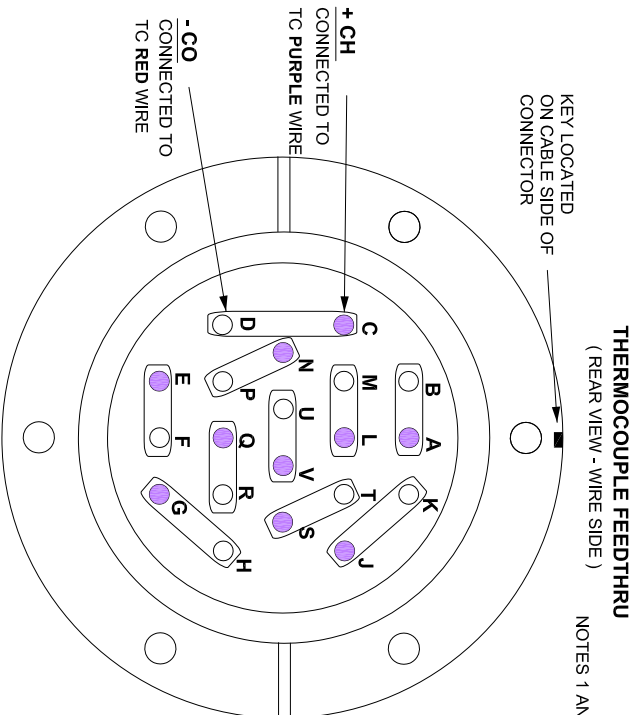
CONNECTOR ID# : TC-J6-(1, 2, 3) ← NOTE 6

DESCRIPTION : V V -TOP, PORT 12 THERMOCOUPLES, FLANGE 16

CONNECTOR TERMINAL	SIGNAL PHASE	TC WIRE TRACER COLOR	LOCATION DESCRIPTION	CONTROL TC IDENTIFIER	VESSEL SUB-ASSEMBLY
A	+ CH	PUR	NOTE 5	07	-1,-2 OR -3
B	- CO	RED	DWG: SE121 - .004		
C	+ CH	PUR		08	-1,-2 OR -3
D	- CO	RED			
E	+ CH	PUR		09	-1,-2 OR -3
F	- CO	RED			
G	+ CH	PUR		10	-1,-2 OR -3
H	- CO	RED			
J	+ CH	PUR		13	-1,-2 OR -3
K	- CO	RED			
L	+ CH	PUR		14	-1,-2 OR -3
M	- CO	RED			
N	+ CH	PUR		27	-1,-2 OR -3
P	- CO	RED			
Q	+ CH	PUR		28	-1,-2 OR -3
R	- CO	RED			
S	+ CH	PUR		29	-1,-2 OR -3
T	- CO	RED			
V	+ CH	PUR		30	-1,-2 OR -3
U	- CO	RED			

NOTE 6  
 VVSA NUMBER  
 (-1) = VVSA 1  
 (-2) = VVSA 2  
 (-3) = VVSA 3

- NOTES:  
 1) TYPE-E THERMOCOUPLE FEED THRU WITH MATING TYPE-E CABLE CONNECTOR;  
 INSULATOR SEAL - PN 9932024  
 2) CRIMP PUSH ON CONNECTORS;  
 INSULATOR SEAL - CHROMEL\_PN 9923013  
 3) PHYSICAL REFERENCE DWG.: SE 123-124, SH TS 2, 4 AND 6  
 4) THERMOCOUPLES ARE BROUGHT OUT ON FLANGES 7, 12 AND 16  
 5) THERMOCOUPLE LOCATION REFERENCE DWG.: SE121 - .004 APPLIES TO VVSA1, VVSA2, VVSA3.  
 6) COMMON CONTROL ID'S APPLIES TO ALL THREE VACUUM VESSEL SUB ASSEMBLIES WITH ID DASH NUMBER INDICATING THE VV SEGMENT (-1) = VVSA1, (-2) = VVSA2, (-3) = VVSA3



REV	ECN #	DATE	BY	APPROVED	REV	ECN #	DATE	BY	APPROVED
					4				
6					3				
5					2				

COMPUTER GENERATED DRAWING NOT PERMITTED Rev 6 - Wednesday 12.5	CENTRAL FILES UNLESS OTHERWISE DIMENSIONS ARE IN INCHES MACHINE SURFACES	TOLERANCES UNLESS OTHERWISE SPECIFIED DECIMAL - INCH X 1.100 XX 0.000 XXX 0.005 ANGULAR ± 30° 15'	DIMENSIONS NON-CUMULATIVE FRACTIONS 0'-12" 2/16 12'-2" 1/8 12'-12" 1/4 OVER 120" ± 1/2	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLATOR EXPERIMENT THERMOCOUPLE FEEDTHRU WIRING - DETAIL V V S A -TOP; PORT 12; FLANGE 16	DIV: FOM DATE: 05/05/08 ENG: GLABK DWN: RGERNHARDT	DATE: 05/05/08 APPROVED	CABD FILE: se 123-128
GO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES			SCALE =	DIV: FOM DATE: 05/05/08 ENG: GLABK DWN: RGERNHARDT	DATE: 05/05/08 APPROVED	CABD FILE: se 123-128
REV ECN # DATE BY APPROVED	REV ECN # DATE BY APPROVED	CHK: G.TCHILINGIRIAN GT	CHK: SUPV JS	SHEET 6 OF 6 REV 0			