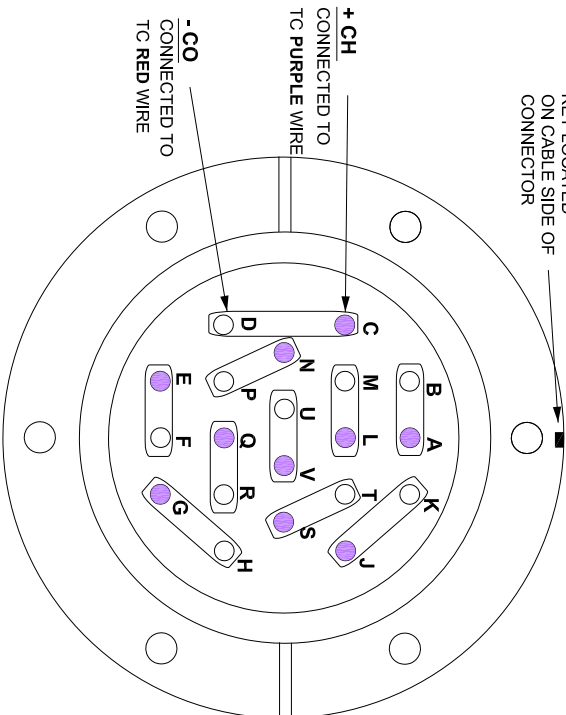


CONNECTOR ID#: TC-J4-(1, 2, 3) ← NOTE 6  
 DESCRIPTION : V V -TOP, PORT 12 THERMOCOUPLES, FLANGE 7

CONNECTOR TERMINAL	SIGNAL PHASE	TC WIRE TRACER COLOR	LOCATION DESCRIPTION	CONTROL TC IDENTIFIER	VESSEL SUB-ASSEMBLY
A	+ CH	PUR	NOTE 5	35	-1,-2 OR -3
B	- CO	RED	DWG: SET121 - .004		
C	+ CH	PUR		36	-1,-2 OR -3
D	- CO	RED			
E	+ CH	PUR		37	-1,-2 OR -3
F	- CO	RED			
G	+ CH	PUR		38	-1,-2 OR -3
H	- CO	RED			
J	+ CH	PUR		39	-1,-2 OR -3
K	- CO	RED			
L	+ CH	PUR		40	-1,-2 OR -3
M	- CO	RED			
N	+ CH	PUR		41	-1,-2 OR -3
P	- CO	RED			
Q	+ CH	PUR		42	-1,-2 OR -3
R	- CO	RED			
S	+ CH	PUR		N/A	-1,-2 OR -3
T	- CO	RED			
V	+ CH	PUR		N/A	-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, SHTS 2, 4 AND 6  
 4) THERMOCOUPLES ARE BROUGHT OUT ON FLANGES 7, 12 AND 16  
 5) THERMOCOUPLE LOCATION REFERENCE DWG.: SET121 - .004 APPLIES TO VVSA1, VVSA2, VVSA3.  
 6) COMMON CONTROL IDS APPLIES TO ALL THREE VACUUM VESSEL SUB ASSEMBLIES WITH ID DASH NUMBER INDICATING THE VV SEGMENT (-1) = VVSA1, (-2) = VVSA2, (-3) = VVSA3



KEY LOCATED ON CABLE SIDE OF CONNECTOR  
 THERMOCOUPLE FEEDTHRU (REAR VIEW - WIRE SIDE)  
 NOTES 1 AND 2

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

COMPUTER GENERATED DRAWING NOT PERMITTED Rev 6 - Wednesday 12/3	CENTRAL FILES UNLESS OTHERWISE DIMENSIONS ARE IN INCHES MACHINE SURFACES	TOLERANCES NON-CUMULATIVE DECIMAL - INCH X 1.100 XX 0.500 XXX 0.005 ANGULAR ± 0.1°	DIMENSIONS 0*-12" 2/16 12*-24" 1/16 24*-48" 1/16 48*-120" 1/16 OVER 120" ± 1/16	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLATOR EXPERIMENT THERMOCOUPLE FEEDTHRU WIRING - DETAIL V V S A -TOP, PORT 12, FLANGE 7	DIV: FOM DATE: 05/05/08 CAD FILE:
DO NOT VERIFY INFORMATION BY SCALING DRAWING SCALE =	BREAK SHARP EDGES .000125	ENG: GLA/BIK DWN: R/GERNHARDT CHK: G.TCHILINGURIAN	APPROVED se 123-128	SHEET 4 OF 6 REV 0	