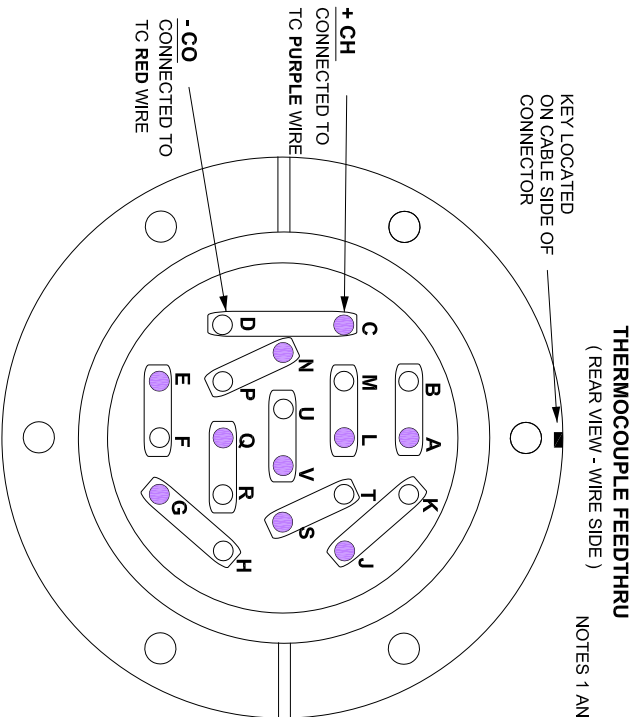


CONNECTOR ID# : TC-J1-(1, 2, 3) ← NOTE 6  
 DESCRIPTION : V V -BOT, PORT 12 THERMOCOUPLES, FLANGE 7

CONNECTOR TERMINAL	SIGNAL PHASE	TC WIRE TRACER COLOR	LOCATION DESCRIPTION	CONTROL TC IDENTIFIER	VESSEL SUB-ASSEMBLY
A	+ CH	PUR	NOTE 5	19	-1,-2 OR -3
B	- CO	RED	DWG: SET121 - .004		
C	+ CH	PUR		20	-1,-2 OR -3
D	- CO	RED			
E	+ CH	PUR		21	-1,-2 OR -3
F	- CO	RED			
G	+ CH	PUR		22	-1,-2 OR -3
H	- CO	RED			
J	+ CH	PUR		25	-1,-2 OR -3
K	- CO	RED			
L	+ CH	PUR		26	-1,-2 OR -3
M	- CO	RED			
N	+ CH	PUR		53	-1,-2 OR -3
P	- CO	RED			
Q	+ CH	PUR		54	-1,-2 OR -3
R	- CO	RED			
S	+ CH	PUR		57	-1,-2 OR -3
T	- CO	RED			
V	+ CH	PUR		58	-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 1, 3 AND 5  
 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 ID'S APPLIES TO ALL THREE VACUUM VESSEL SUB ASSEMBLIES WITH ID DASH NUMBER INDICATING THE VV SEGMENT (-1) = VVSA1, (-2) = VVSA2, (-3) = VVSA3



THEMOCOUPLE 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°-15'	DIMENSIONS 0°-12' 2/16 12°-24' 1/16 17°-120' 1/4 OVER 120° ± 1/2	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLATOR EXPERIMENT THERMOCOUPLE FEEDTHRU WIRING - DETAIL V V S A -BOT; PORT 12; FLANGE 7	DIV: FOI DATE: 06/05/08 CAD FILE:
CONTACT VERIFICATION BY SCALING DRAWING SCALE =	BREAK SHARP EDGES 1/32" R	ENG: GLABIK DWN: RGERNHARDT CHK: G.TCHILINGUIRIAN	APPROVED se 123-128	SHEET 1 OF 6 REV 0	