CONNECTOR ID# : TC- J5-(1, 2, 3) ← NOTE 6

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

CONNECTOR TERMINAL	SIGNAL PHASE	TC WIRE TRACER COLOR	LOCATION DESCRIPTOR	CONTROL TC IDENTIFIER	VESSEL SUB-ASSEMBLY
			DWG.: SE121 - 004 NOTE 5		
A	+ CH	PUR		15	-1,-2 OR -3
B	- CO	RED			
C	+ CH	PUR		16	-1,-2 OR -3
D	- CO	RED			
E	+ CH	PUR		17	-1,-2 OR -3
F	- CO	RED			
G	+ CH	PUR		18	-1,-2 OR -3
H	- CO	RED			
J	+ CH	PUR		23	-1,-2 OR -3
K	- CO	RED			
L	+ CH	PUR		24	-1,-2 OR -3
M	- CO	RED			
N	+ CH	PUR		31	-1,-2 OR -3
P	- CO	RED			
Q	+ CH	PUR		32	-1,-2 OR -3
R	- CO	RED			
S	+ CH	PUR		33	-1,-2 OR -3
T	- CO	RED			
V	+ CH	PUR		34	-1,-2 OR -3
U	- CO	RED			

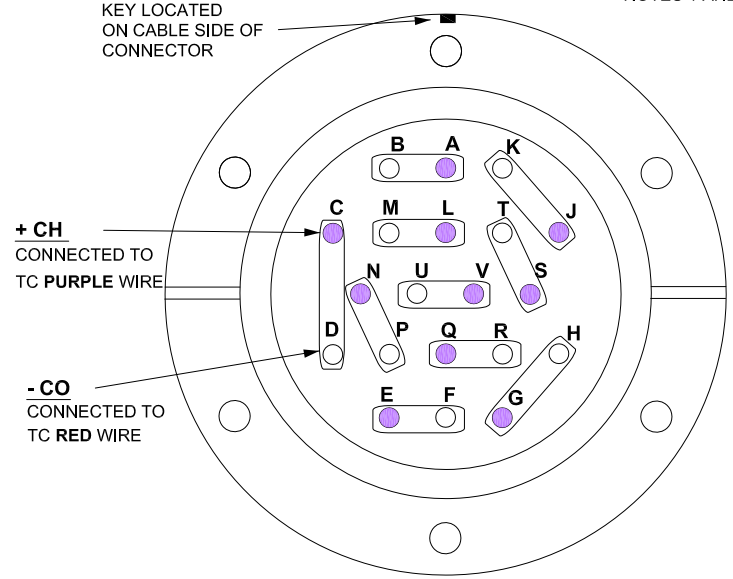
NOTE 6

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

THERMOCOUPLE FEEDTHRU

(REAR VIEW - WIRE SIDE)

NOTES 1 AND 2



NOTES:
1) TYPE-E THERMOCOUPLE FEED THRU WITH MATING TYPE-E CABLE CONNECTOR; INSULATOR SEAL - PN 9332024
2) CRIMP PUSH ON CONNECTORS; INSULATOR SEAL - CHROMEL _PN 9923013 , CONSTANTAN _PN 9923017
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.: 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

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

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED
Rev 6–Vectorworks 12.5

CENTRAL FILES:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES 125

DO NOT VERIFY INFORMATION BY SCALING DRAWING

BREAK SHARP EDGES .005/.020

SCALE=

TOLERANCES NON-CUMULATIVE

NEXT ASSEMBLY

DECIMAL - INCH		FRACTIONS	
.X	±.100	0"-12"	±1/16
.XX	±.030	12"-72"	±1/8
.XXX	±.005	72"-120"	±1/4
ANGULAR	±0 -15'	OVER 120" 1/2	±

PRINCETON PLASMA PHYSICS LABORATORY
PRINCETON UNIVERSITY
NATIONAL COMPACT STELLERATOR EXPERIMENT
THERMOCOUPLE FEEDTHRU WIRING - DETAIL
V V S A -TOP; PORT 12 ; FLANGE 12

DIV: FOM | DATE: 05/05/08 | CADD FILE:

ENG: G.LABIK | APPROVED | se 123–128

DWN: R.GERNHARDT

CHK: G.TCHILINGUIRIAN | CHK GT | SUPV JS | SHEET 5 OF 6 | REV 0