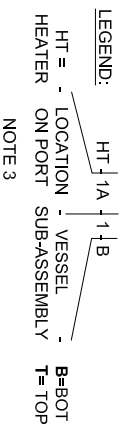


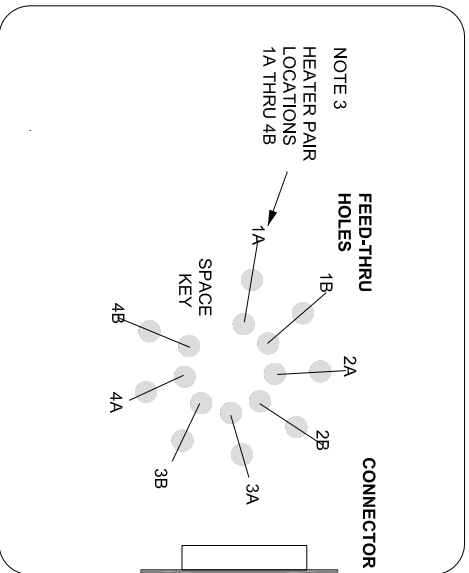
CONNECTOR ID#: HTR - J4

DESCRIPTION : V V2-TOP, PORT 12 ELECTRIC HEATERS, FLANGE 15

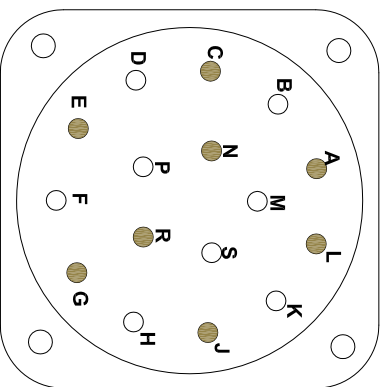
CONNECTOR TERMINAL	SIGNAL PHASE	PIGTAIL COLOR	HEATER PR J-BOX ID	HEATER LOCATION	CONTROL DESIGNATION	NOTE 4
A	HOT	BLK	1A	VV2-TOP	HT-1A-2T	ACTIVE
B	RET	WHT				
C	HOT	BLK	1B	VV2-TOP	HT-1B-2T	(SPARE)
D	RET	WHT				
E	HOT	BLK	2A	VV2-TOP	HT-2A-2T	ACTIVE
F	RET	WHT				
G	HOT	BLK	2B	VV2-TOP	HT-2B-2T	(SPARE)
H	RET	WHT				
J	HOT	BLK	3A	VV2-TOP	HT-3A-2T	ACTIVE
K	RET	WHT				
L	HOT	BLK	3B	VV2-TOP	HT-3B-2T	(SPARE)
M	RET	WHT				
N	HOT	BLK	4A	VV2-TOP	HT-4A-2T	ACTIVE
P	RET	WHT				
R	HOT	BLK	4B	VV2-TOP	HT-4B-2T	(SPARE)
S	RET	WHT				



HEATER J-BOX  
( INSIDE BOX VIEW )



BULKHEAD CONNECTOR  
( REAR VIEW - SOLDER SIDE )



- NOTES:
- 1) BULKHEAD CONNECTOR - PTO2E20 - 16 P
  - 2) PHYSICAL REFERENCE DWG.: se 123-124, SH 4 OF 6 AND se 121-004
  - 3) HEATER PAIRS ARE LOCATED ON PORT WITH HEATER PAIR ID  
1A INSTALLED ON PORT FURTHEST FROM VESSEL AND 4B CLOSEST TO VESSEL
  - 4) 1B, 2B, 3B, 4B HEATERS ARE DESIGNATED AS SPARES
  - 5) PIGTAIL SPICE WIRE, #18 AWG, TFE, MIL SPEC: MIL-W-16878/5, 200C
  - 6) FEP SHRINK TUBING, SPC TECHNOLOGY, SERVICE TEMP 210 C, SHRINK RATIO 1.67:1., ASSORTED SIZES- 1/8" SST-008-6025-CLR, 3/16" SST-012-6025-CLR, 1/4" SST-016-6025-CLR.

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

COMPUTER GENERATED DRAWING NOT PERMITTED Rev 6 - Versions 12.3	CENTRAL FILES: UNLESS OTHERWISE DIMENSIONS ARE IN INCHES MACHINE SURFACES	DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMAL - INCH X 1.100 XX 0.500 XXX 0.005 ANGULAR ±0.1°	FRACCTIONS 0'-12" 2/16 12'-2" 1/8 12'-12" 1/4 OVER 120" ±	DIV: FOI	DATE: 05/05/08	CADD FILE:
PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLERATOR EXPERIMENT HEATER FIELD J-BOX WIRING - DETAIL V V S A 2 -TOP, PORT 12				ENG: GLABIK	APPROVED	Se 123-129	
CHK: G.TCHILINGURIAN				DWN: R.GERNHARDT	CHK: JS	SUPV: JS	SHEET 4 OF 6 REV 0