

CONNECTOR ID#: HTR - J3

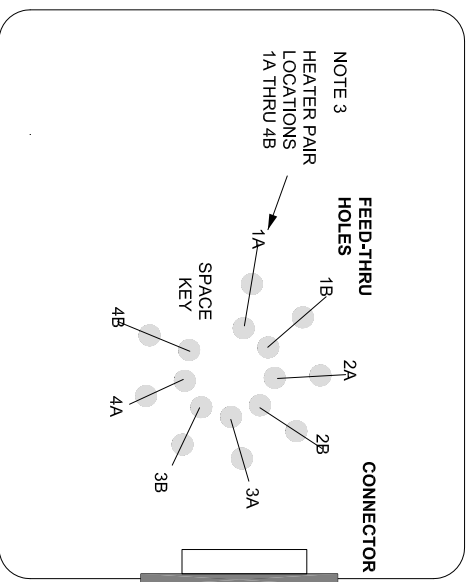
DESCRIPTION : V V2-BOT, PORT 12 ELECTRIC HEATERS, FLANGE 15

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

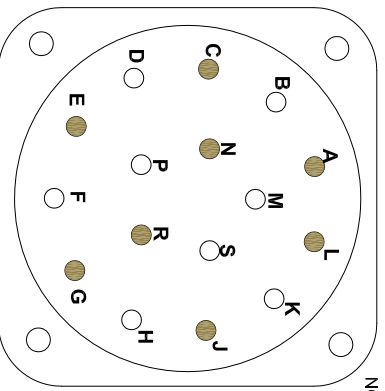
LEGEND: HT = HEATER
 1A = LOCATION ON PORT
 1B = LOCATION ON VESSEL
 2A = HEATER SUB-ASSEMBLY
 2B = VESSEL SUB-ASSEMBLY
 B-BOT = BOTTOM
 T-TOP = TOP

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

HEATER J-BOX
(INSIDE BOX VIEW)



BULKHEAD CONNECTOR
(REAR VIEW - SOLDER SIDE)



- NOTES:
- 1) BULKHEAD CONNECTOR - P102E20 - 16 P
 - 2) PHYSICAL REFERENCE DWG.: se 123-124, SH 3 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 SPLICE WIRE, #18 AWG, TFE, MIL SPEC:ML-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.

COMPUTER GENERATED DRAWING NOT PERMITTED Rev 6 - Versions 12.5	CENTRAL FILES: UNLESS OTHERWISE INDICATED DIMENSIONS ARE IN INCHES MACHINE SURFACES	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLERATOR EXPERIMENT HEATER FIELD J-BOX WIRING - DETAIL V V S A 2 -BOT; PORT 12
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES TOLERANCES NON-CUMULATIVE	DIV: FOVI
SCALE:	SECTION - INCH X XX XXX ANGULAR ±0.1°	FRACCTIONS 0"-12" 2/16 12"-24" 1/8 24"-48" 1/4 OVER 48" 1/2
NEXT ASSEMBLY	DATE: 05/05/08	CADD FILE:
ENG: GLABK	APPROVED	se 123-129
DWN: RGERNHARDT	CHK: G.TCHILINGURIAN	GT JS SUPV
CHK: G.TCHILINGURIAN	GT JS	SHEET 3 OF 6
		REV 0