

CONNECTOR ID#: HTR - J6

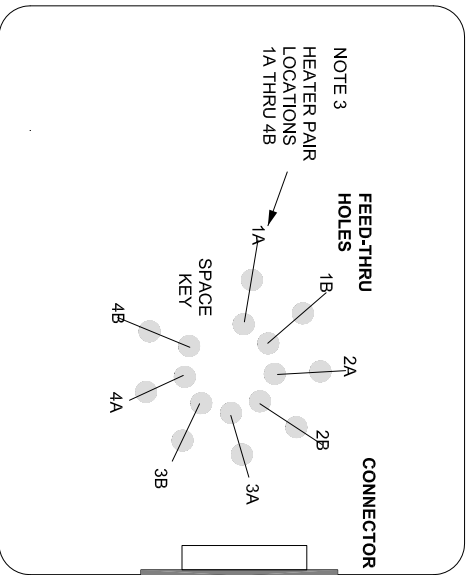
DESCRIPTION : V V-3-TOP, PORT 12 ELECTRIC HEATERS, FLANGE 15

CONNECTOR TERMINAL	SIGNAL PHASE	PIGTAIL COLOR	HEATER PR J-BOX ID	HEATER LOCATION	CONTROL DESIGNATION	NOTE 4
A	HOT	BLK	1A	VV3-TOP	HT-1A-3-T	ACTIVE
B	RET	WHT				
C	HOT	BLK	1B	VV3-TOP	HT-1B-3-T	(SPARE)
D	RET	WHT				
E	HOT	BLK	2A	VV3-TOP	HT-2A-3-T	ACTIVE
F	RET	WHT				
G	HOT	BLK	2B	VV3-TOP	HT-2B-3-T	(SPARE)
H	RET	WHT				
J	HOT	BLK	3A	VV3-TOP	HT-3A-3-T	ACTIVE
K	RET	WHT				
L	HOT	BLK	3B	VV3-TOP	HT-3B-3-T	(SPARE)
M	RET	WHT				
N	HOT	BLK	4A	VV3-TOP	HT-4A-3-T	ACTIVE
P	RET	WHT				
R	HOT	BLK	4B	VV3-TOP	HT-4B-3-T	(SPARE)
S	RET	WHT				

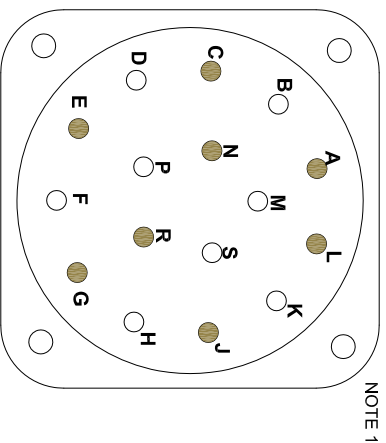
LEGEND: HT | 1A | 1B
 HT = LOCATION - VESSEL
 HEATER ON PORT SUB-ASSEMBLY
 B=BOT
 T=TOP
 NOTE 3

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 - PTOZE20 - 16 P
 - 2) PHYSICAL REFERENCE DWG.: se 123-124, SH 6 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.

COMPUTER GENERATED DRAWING NOT PERMITTED Rev 6 - November 12, 3	CENTRAL FILES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLATOR EXPERIMENT HEATER FIELD J-BOX WIRING - DETAIL V V S A 3 -TOP, PORT 12
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES	TOLERANCES UNLESS OTHERWISE SPECIFIED	DIV: FOM
SCALE:			DATE: 05/05/08
HEAT ASSEMBLY	SECTION - INCH	FRACTIONS	ENG: GLABK
	X 1.100	0'-12" 2/16	DWN: RGERNHARDT
	XX 2.500	12'-2" 1/8	CHK: G.TCHILINGURIAN
	XXX 5.005	12'-12" 1/4	GT
	ANGULAR ±0'-15"	OVER 120" ± 1/2	APPROVED
			See 123-129
			CADD FILE:
			SHEET 6 OF 6
			REV 0