

CONNECTOR ID#: HTR - J1

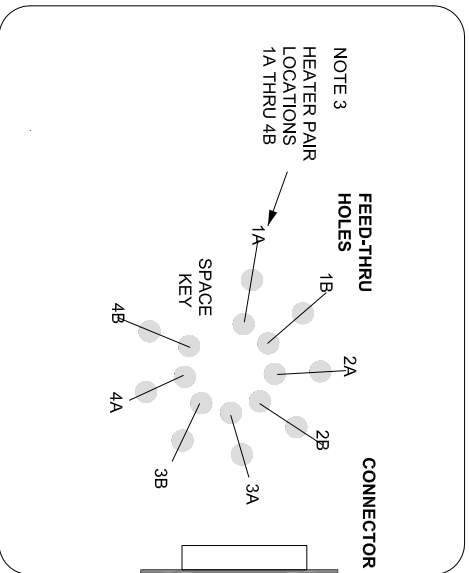
DESCRIPTION : V V-1-BOT, PORT 12 ELECTRIC HEATERS, FLANGE 15

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

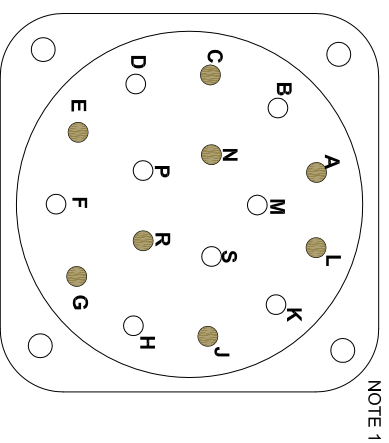
LEGEND: HT 1A 1B  
 HT = - LOCATION - VESSEL  
 HEATER ON PORT SUB-ASSEMBLY  
 B-BOT  
 T=TOP  
 NOTE 3

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

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 1 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: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- Versions 12.5	CENTRAL TILES	TOLERANCES UNLESS OTHERWISE SPECIFIED 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 1-BOT: PORT 12
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES	TOLERANCES NON-CUMULATIVE	DIV: FOM
SCALE =			DATE: 05/05/08
RENT ASSEMBLY	DECIMAL INCH	FRACTIONS	ENG: GLABIK
	X 1.100	1/16	APPROVED
	XX 2.500	1/8	DWN: RGERNHARDT
	XXX 5.000	1/4	CHK: G.TCHILINGIRIAN
	ANGULAR ±0.1°	OVER 120° ± 1/2	GT
			DATE: 05/05/08
			CADD FILE:
			se 123-129
			CHK: JS
			SUPV:
			SHEET 1 OF 6
			REV 0