

CONNECTOR ID#: HTR - J5

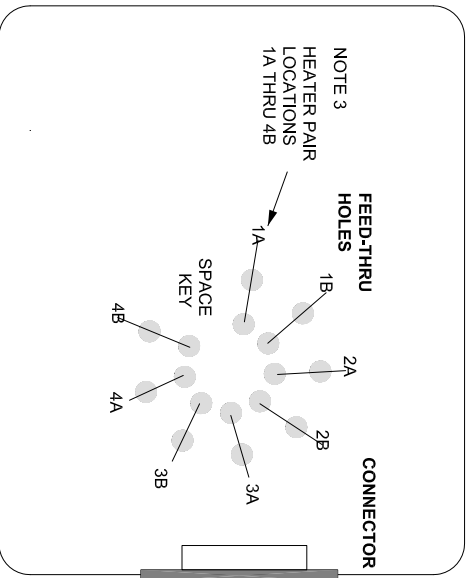
DESCRIPTION : V V-3-BOT, PORT 12 ELECTRIC HEATERS, FLANGE 15

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

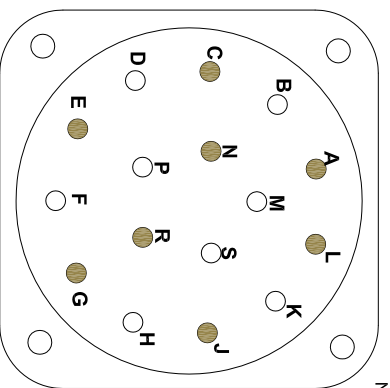
LEGEND: HT | 1A | 1 | B  
 HT = LOCATION - VESSEL  
 HEATER ON PORT SUBASSEMBLY  
 B=BOT  
 T=TOP  
 NOTE 3

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 )



NOTE 1

NOTES:

- 1) BULKHEAD CONNECTOR - PT02E20 - 16 P
- 2) PHYSICAL REFERENCE DWG.: see 123-124, SH 5 OF 6 AND see 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, 200 C  
 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 A- Versions 12.3	CENTRAL TIES: UNLESS OTHERWISE DIMENSIONS ARE IN INCHES MACHINE SURFACES	TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMAL - INCH FRACTIONS	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLERATOR EXPERIMENT HEATER FIELD J-BOX WIRING - DETAIL V V S A 3 -BOT; PORT 12
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES 1/64" R	SCALE =	DIV: FOM
NEXT ASSEMBLY	1.100 1.500 2.000 2.500 3.000 ANGULAR ±0.1°	0.125 0.250 0.500 1.000 1.500 2.000 OVER 120" ±	DATE: 05/05/08
			ENG: GLAIBIK
			DWN: RGERNHARDT
			CHK: G.TCHILINGIRIAN
			DATE: 05/05/08
			APPROVED
			CHK: JS
			SUPV:
			CADD FILE:
			See 123-129
			SHEET 5 OF 6
			REV 0