pc-dmis	PART NAME : PN457528-n-v5-IL TE1PAV-04		September 17, 2010	14:21
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#91708 S/N TE1PAV004
INSPECTOR: O. LIRA 09/17/10

⌖	MM	LOC28 - CIR_BC_D2H1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
PR	60.000	59.991	-0.009	0.051	0.051	0.000
PA	-180.000	-180.014	-0.014	0.051	0.051	0.000
D	8.500	8.535	0.035	0.051	0.051	0.000

⌖	MM	LOC1 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.888	-0.112	0.500	0.500	0.000
FL	0.000	0.031	0.031	0.400	0.000	0.000

⌖	MM	LOC2 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.888	0.112	0.500	0.500	0.000
FL	0.000	0.052	0.052	0.400	0.000	0.000

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	195.000	194.847	-0.153	0.500	0.500	0.000
FL	0.000	0.057	0.057	0.400	0.000	0.000

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-195.000	-194.812	0.188	0.500	0.500	0.000
FL	0.000	0.057	0.057	0.400	0.000	0.000

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.105	0.105	0.400	0	0.000

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.209	0.209	0.400	0	0.000

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.171	0.171	0.400	0	0.000

⌖	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL

AX	I	J	K
V	1.00000	-0.00042	0.00058

MM	LOC8 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00158		-0.00011
MM	LOC9 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00024		0.00075
MM	LOC10 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00155		0.00000
MM	LOC11 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00162		0.00007
MM	LOC12 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00071		0.00036
MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.776	-0.224	1.000	1.000	0.000
MM	DIST2 - PLNC_FLANGE1 TO PLNC_SEALING_SURFACE_F1 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	1.041	0.041	0.100	0.000	0.000
MM	DIST3 - PLNC_FLANGE2 TO PLNC_SEALING_SURFACE_F2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	1.076	0.076	0.100	0.000	0.000
MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.705	-0.295	1.000	1.000	0.000
MM	DIST5 - PNT_FLANGE1_5 TO PNT_FLANGE2_5 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.801	-0.199	1.000	1.000	0.000
MM	DIST6 - PNT_FLANGE1_8 TO PNT_FLANGE2_8 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.863	-0.137	1.000	1.000	0.000
MM	DIST7 - PNT_FLANGE1_11 TO PNT_FLANGE2_11 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.735	-0.265	1.000	1.000	0.000

⌖	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.768	-0.232	10.000	10.000	0.000
Y	0.000	0.000	0.000	0.000	0.000	0.000
Z	0.000	0.000	0.000	0.000	0.000	0.000
D	78.000	78.159	0.159	0.000	0.000	0.159
RN	0.000	0.079	0.079	0.050	0.000	0.029

⌖	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.879	-0.879	10.000	10.000	0.000
Y	0.000	0.000	0.000	0.000	0.000	0.000
Z	0.000	0.000	0.000	0.000	0.000	0.000
D	78.000	78.270	0.270	0.050	0.000	0.220
RN	0.000	0.068	0.068	0.050	0.000	0.018

⌖	MM	LOC17 - CIRC_HALF_CELL_1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.496	-0.004	1.000	1.000	0.000
Y	0.000	-0.229	-0.229	0.100	0.100	0.129
Z	0.000	-0.030	-0.030	0.100	0.100	0.000
D	210.300	212.291	1.991	0.050	0.000	1.941
RN	0.000	0.168	0.168	0.050	0.000	0.118

⌖	MM	LOC18 - CIRC_HALF_CELL_2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-4.500	-4.509	-0.009	1.000	1.000	0.000
Y	0.000	-0.170	-0.170	0.100	0.100	0.070
Z	0.000	-0.178	-0.178	0.100	0.100	0.078
D	210.300	212.275	1.975	0.050	0.000	1.925
RN	0.000	0.157	0.157	0.050	0.000	0.107

⌖	MM	LOC19 - CIRC_BTOD1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	61.000	60.994	-0.006	1.000	1.000	0.000
Y	0.000	-0.041	-0.041	0.100	0.100	0.000
Z	0.000	-0.119	-0.119	0.100	0.100	0.019
D	81.500	82.916	1.416	0.100	0.050	1.316
RN	0.000	0.206	0.206	0.150	0.000	0.056

⌖	MM	LOC20 - CIRC_BTOD2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-61.000	-61.006	-0.006	1.000	1.000	0.000
Y	0.000	-0.092	-0.092	0.100	0.100	0.000
Z	0.000	-0.061	-0.061	0.100	0.100	0.000
D	81.500	82.893	1.393	0.100	0.050	1.293
RN	0.000	0.210	0.210	0.150	0.000	0.060

∠	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.920	-0.920	

⊕	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00002	0.00000	1.00000	

⊕	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00002	0.01606	0.99987	

⊕	MM	LOC25 - CIR F1 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.309	0.109	0.200	0.000	0.000	
RN	0.000	0.022	0.022	0.200	0.000	0.000	

⊕	MM	LOC26 - CIR F2 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.321	0.121	0.200	0.000	0.000	
RN	0.000	0.029	0.029	0.200	0.000	0.000	

⊕	MM	LOC28 ATTACH RING LEFT BOTT - PLNC_ATTRING_LB					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-112.000	-111.946	0.054	0.500	0.500	0.000	
FL	0.000	0.086	0.086	0.400	0.000	0.000	

⊕	MM	LOC29 ATTACH RING LEFT TOP - PLNC_ATTRING_LT					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-112.000	-111.863	0.137	0.500	0.500	0.000	
FL	0.000	0.071	0.071	0.400	0.000	0.000	

⊕	MM	LOC30 ATTACH RING RIGHT BOTT - PLNC_ATTRING_RB					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	112.000	111.878	-0.122	0.500	0.500	0.000	
FL	0.000	0.008	0.008	0.400	0.000	0.000	

⊕	MM	LOC31 ATTACH RING RIGHT TOP - PLNC_ATTRING_RT					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	112.000	111.858	-0.142	0.500	0.500	0.000	
FL	0.000	0.017	0.017	0.400	0.000	0.000	

⊥	MM	PERP3 - PLNC_ATTRING_LB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.326	0.326	0.500	0	0.000	

⊥	MM	PERP4 - PLNC_ATTRING_LT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.161	0.161	0.500	0	0.000	

⊥	MM	PERP5 - PLNC_ATTRING_RB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.131	0.131	0.500	0	0.000	
⊥	MM	PERP6 - PLNC_ATTRING_RT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.189	0.189	0.500	0	0.000	
↔	MM	DIST8 ATTACH RING LEFT BOTT - PLNC_FLANGE2 TO PLNC_ATTRING_LB (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	84.000	83.942	-0.058	0.500	0.500	0.000	
↔	MM	DIST9 ATTACH RING LEFT TOP - PLNC_FLANGE2 TO PLNC_ATTRING_LT (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	84.000	84.025	0.025	0.500	0.500	0.000	
↔	MM	DIST10 ATTACH RING RIGHT BOTT - PLNC_FLANGE1 TO PLNC_ATTRING_RB (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	84.000	84.009	0.009	0.500	0.500	0.000	
↔	MM	DIST11 ATTACH RING RIGHT TOP - PLNC_FLANGE1 TO PLNC_ATTRING_RT (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	84.000	84.029	0.029	0.500	0.500	0.000	

****** REPORT ABBREVIATIONS MEANINGS ******

AR= Attachment Ring

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface