pc-dmis	PART NAME : PN457528-n-v5-IL TE1PAV-02		May 19, 2010	14:33
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#91255 S/N TE1PAV002
INSPECTOR: O. LIRA 05/19/10

⌖	MM	LOC1 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.220	-0.780	0.500	0.500	0.280
FL	0.000	0.023	0.023	0.400	0.000	0.000

⌖	MM	LOC2 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.220	0.780	0.500	0.500	0.280
FL	0.000	0.032	0.032	0.400	0.000	0.000

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	195.000	194.151	-0.849	0.500	0.500	0.349
FL	0.000	0.033	0.033	0.400	0.000	0.000

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-195.000	-194.235	0.765	0.500	0.500	0.265
FL	0.000	0.043	0.043	0.400	0.000	0.000

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.163	0.163	0.400	0	0.000

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.276	0.276	0.400	0	0.000

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.438	0.438	0.400	0	0.038

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

AX	I	J	K
V	1.00000	0.00037	0.00115

⌖	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL

AX	I	J	K
V	-1.00000	0.00027	0.00209

⌖	MM	LOC9 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		0.00033		0.00113	
⌖	MM	LOC10 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		0.00019		0.00209	
⌖	MM	LOC11 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		-0.00054		0.00121	
⌖	MM	LOC12 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		-0.00036		0.00171	
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	390.440	-1.560	1.000	1.000	-0.560	
↔	MM	DIST2 - PLNC_FLANGE1 TO PLNC_SEALING_SURFACE_F1 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1.000	1.068	0.068	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	0.986	-0.014	0.100	0.000	-0.014	
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	390.253	-1.747	1.000	1.000	-0.747	
↔	MM	DIST5 - PNT_FLANGE1_5 TO PNT_FLANGE2_5 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	390.326	-1.674	1.000	1.000	-0.674	
↔	MM	DIST6 - PNT_FLANGE1_8 TO PNT_FLANGE2_8 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	390.616	-1.384	1.000	1.000	-0.384	
↔	MM	DIST7 - PNT_FLANGE1_11 TO PNT_FLANGE2_11 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	390.570	-1.430	1.000	1.000	-0.430	

⌖	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.136	-0.864	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	78.559	0.559	0.000	0.000	0.559
RN	0.000	0.089	0.089	0.050	0.000	0.039

⌖	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.066	-0.066	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	78.109	0.109	0.050	0.000	0.059
RN	0.000	0.039	0.039	0.050	0.000	0.000

⌖	MM	LOC17 - CIRC_HALF_CELL_1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.495	-0.005	1.000	1.000	0.000
Y	0.000	0.042	0.042	0.100	0.100	0.000
Z	0.000	-0.232	-0.232	0.100	0.100	0.132
D	210.300	212.166	1.866	0.050	0.000	1.816
RN	0.000	0.188	0.188	0.050	0.000	0.138

⌖	MM	LOC18 - CIRC_HALF_CELL_2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-4.500	-4.511	-0.011	1.000	1.000	0.000
Y	0.000	-0.033	-0.033	0.100	0.100	0.000
Z	0.000	-0.090	-0.090	0.100	0.100	0.000
D	210.300	212.278	1.978	0.050	0.000	1.928
RN	0.000	0.201	0.201	0.050	0.000	0.151

⌖	MM	LOC19 - CIRC_BTOD1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	61.000	60.992	-0.008	1.000	1.000	0.000
Y	0.000	0.111	0.111	0.100	0.100	0.011
Z	0.000	-0.067	-0.067	0.100	0.100	0.000
D	81.500	82.781	1.281	0.100	0.050	1.181
RN	0.000	0.602	0.602	0.150	0.000	0.452

⌖	MM	LOC20 - CIRC_BTOD2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-61.000	-61.008	-0.008	1.000	1.000	0.000
Y	0.000	-0.079	-0.079	0.100	0.100	0.000
Z	0.000	-0.321	-0.321	0.100	0.100	0.221
D	81.500	82.821	1.321	0.100	0.050	1.221
RN	0.000	0.648	0.648	0.150	0.000	0.498

∡	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	1.438	1.438	

⌖	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00036	0.00000	1.00000	

⌖	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00035	-0.02510	0.99968	

⌖	MM	LOC25 - CIR F1 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.318	0.118	0.200	0.000	0.000	
RN	0.000	0.046	0.046	0.200	0.000	0.000	

⌖	MM	LOC26 - CIR F2 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.606	0.406	0.200	0.000	0.206	
RN	0.000	0.014	0.014	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	-111.301	0.699	0.500	0.500	0.199	
FL	0.000	0.015	0.015	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	-111.335	0.665	0.500	0.500	0.165	
FL	0.000	0.006	0.006	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	111.442	-0.558	0.500	0.500	0.058	
FL	0.000	0.011	0.011	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	111.334	-0.666	0.500	0.500	0.166	
FL	0.000	0.006	0.006	0.400	0.000	0.000	

⊥	MM	PERP3 - PLNC_ATTRING_LB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.088	0.088	0.500	0	0.000	

⊥	MM	PERP4 - PLNC_ATTRING_LT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.172	0.172	0.500	0	0.000	

⊥	MM	PERP5 - PLNC_ATTRING_RB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.208	0.208	0.500	0	0.000	
⊥	MM	PERP6 - PLNC_ATTRING_RT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.069	0.069	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	83.919	-0.081	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	83.886	-0.114	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	83.778	-0.222	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	83.886	-0.114	0.500	0.500	0.000	

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

AR= Attachment Ring

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface