pc-dmis	PART NAME : PN457528-n-v5-IL TE1PAV-01		May 18, 2010	10:34
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#91254 S/N TE1PAV001
INSPECTOR: O. LIRA 05/18/10

⌖	MM	LOC1 - PLNC FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	194.171	-1.829	0.500	0.500	1.329
FL	0.000	0.019	0.019	0.400	0.000	0.000

⌖	MM	LOC2 - PLNC FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-194.171	1.829	0.500	0.500	1.329
FL	0.000	0.007	0.007	0.400	0.000	0.000

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	195.000	193.104	-1.896	0.500	0.500	1.396
FL	0.000	0.026	0.026	0.400	0.000	0.000

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-195.000	-193.121	1.879	0.500	0.500	1.379
FL	0.000	0.013	0.013	0.400	0.000	0.000

⊥	MM	PERP1 - PLNC FLANGE1 TO LINC BEAM AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.115	0.115	0.400	0	0.000

⊥	MM	PERP2 - PLNC FLANGE2 TO LINC BEAM AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.061	0.061	0.400	0	0.000

//	MM	PARL1 - PLNC FLANGE1 TO PLNC FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.172	0.172	0.400	0	0.000

⌖	MM	LOC7 - PLNC FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL

AX	I	J	K
V	1.00000	-0.00083	-0.00017

⌖	MM	LOC8 - PLNC FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL

AX	I	J	K
V	-1.00000	-0.00045	-0.00007

⌖	MM	LOC9 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		-0.00082		-0.00013	
⌖	MM	LOC10 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		-0.00044		-0.00010	
⌖	MM	LOC11 - PLNC BEAM_TUBE F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		0.00089		0.00048	
⌖	MM	LOC12 - PLNC BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		-0.00126		-0.00052	
↔	MM	DIST1 - PLNC FLANGE1 TO PLNC FLANGE2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	388.342	-3.658	1.000	1.000	-2.658	
↔	MM	DIST2 - PLNC FLANGE1 TO PLNC_SEALING_SURFACE_F1 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	1.000	1.067	0.067	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	1.050	0.050	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	388.421	-3.579	1.000	1.000	-2.579	
↔	MM	DIST5 - PNT FLANGE1-5 TO PNT FLANGE2-5 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	388.283	-3.717	1.000	1.000	-2.717	
↔	MM	DIST6 - PNT FLANGE1-8 TO PNT FLANGE2-8 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	388.282	-3.718	1.000	1.000	-2.718	
↔	MM	DIST7 - PNT FLANGE1-11 TO PNT FLANGE2-11 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	388.382	-3.618	1.000	1.000	-2.618	

⊕	MM	LOC13 - CIR BT ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	191.169	-1.831	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	78.571	0.571	0.000	0.000	0.571
RN	0.000	0.047	0.047	0.050	0.000	0.000

⊕	MM	LOC14 - CIR BT ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.185	0.815	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	78.117	0.117	0.050	0.000	0.067
RN	0.000	0.069	0.069	0.050	0.000	0.019

⊕	MM	LOC17 - CIRC_HALF_CELL_1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.494	-0.006	1.000	1.000	0.000
Y	0.000	-0.011	-0.011	0.100	0.100	0.000
Z	0.000	0.124	0.124	0.100	0.100	0.024
D	210.300	211.863	1.563	0.050	0.000	1.513
RN	0.000	0.356	0.356	0.050	0.000	0.306

⊕	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	0.101	0.101	0.100	0.100	0.001
Z	0.000	0.124	0.124	0.100	0.100	0.024
D	210.300	212.931	2.631	0.050	0.000	2.581
RN	0.000	0.168	0.168	0.050	0.000	0.118

⊕	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	-0.003	-0.003	0.100	0.100	0.000
Z	0.000	0.099	0.099	0.100	0.100	0.000
D	81.500	82.877	1.377	0.100	0.050	1.277
RN	0.000	0.619	0.619	0.150	0.000	0.469

⊕	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	-0.032	-0.032	0.100	0.100	0.000
Z	0.000	-0.013	-0.013	0.100	0.100	0.000
D	81.500	82.379	0.879	0.100	0.050	0.779
RN	0.000	0.706	0.706	0.150	0.000	0.556

∡	DEG	ANGL1 - LINC OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.192	-0.192	

⌖	MM	LOC21 - LINC OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00022	0.00000	1.00000	

⌖	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00022	0.00334	0.99999	

⌖	MM	LOC25 - CIR F1 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.336	0.136	0.200	0.000	0.000	
RN	0.000	0.015	0.015	0.200	0.000	0.000	

⌖	MM	LOC26 - CIR F2 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.328	0.128	0.200	0.000	0.000	
RN	0.000	0.013	0.013	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	-110.219	1.781	0.500	0.500	1.281	
FL	0.000	0.006	0.006	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	-110.407	1.593	0.500	0.500	1.093	
FL	0.000	0.016	0.016	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	110.281	-1.719	0.500	0.500	1.219	
FL	0.000	0.176	0.176	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	110.269	-1.731	0.500	0.500	1.231	
FL	0.000	0.009	0.009	0.400	0.000	0.000	

⊥	MM	PERP3 - PLNC_ATTRING_LB TO LINC BEAM AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.077	0.077	0.500	0	0.000	

⊥	MM	PERP4 - PLNC_ATTRING_LT TO LINC BEAM AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.247	0.247	0.500	0	0.000	

⊥	MM	PERP5 - PLNC_ATTRING_RB TO LINC BEAM AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.435	0.435	0.500	0	0.000

⊥	MM	PERP6 - PLNC_ATTRING_RT TO LINC BEAM AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.093	0.093	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	83.952	-0.048	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	83.763	-0.237	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	83.890	-0.110	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	83.902	-0.098	0.500	0.500	0.000

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

AR= Attachment Ring

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface