pc-dmis	PART NAME : PN457528-n-v5-IL TE1PAV-06		September 21, 2010	16:04
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#91711 S/N TE1PAV006
INSPECTOR: O. LIRA 09/22/10

⌖	MM	LOC28 - CIR_BC_D2H1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
PR	60.000	59.963	-0.037	0.051	0.051	0.000
PA	-180.000	-180.005	-0.005	0.051	0.051	0.000
D	8.500	8.532	0.032	0.051	0.051	0.000

⌖	MM	LOC1 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.772	-0.228	0.500	0.500	0.000
FL	0.000	0.047	0.047	0.400	0.000	0.000

⌖	MM	LOC2 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.772	0.228	0.500	0.500	0.000
FL	0.000	0.054	0.054	0.400	0.000	0.000

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	195.000	194.707	-0.293	0.500	0.500	0.000
FL	0.000	0.047	0.047	0.400	0.000	0.000

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-195.000	-194.710	0.290	0.500	0.500	0.000
FL	0.000	0.088	0.088	0.400	0.000	0.000

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.120	0.120	0.400	0	0.000

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.194	0.194	0.400	0	0.000

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0	0.284	0.284	0.400	0	0.000

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

AX	I	J	K
V	1.00000	0.00062	-0.00043

⌖	MM	LOC8 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		0.00133		-0.00030	
⌖	MM	LOC9 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		0.00062		-0.00039	
⌖	MM	LOC10 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		0.00128		-0.00051	
⌖	MM	LOC11 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		1.00000		0.00070		-0.00065	
⌖	MM	LOC12 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
AX		I		J		K	
V		-1.00000		0.00099		-0.00118	
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	392.000	391.545	-0.455	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	1.065	0.065	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	1.063	0.063	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	391.511	-0.489	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	391.651	-0.349	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	391.617	-0.383	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	391.400	-0.600	1.000	1.000	0.000	

⊕	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.608	-0.392	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	78.208	0.208	0.000	0.000	0.208
RN	0.000	0.086	0.086	0.050	0.000	0.036

⊕	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-194.039	-1.039	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	78.246	0.246	0.050	0.000	0.196
RN	0.000	0.085	0.085	0.050	0.000	0.035

⊕	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	-0.235	-0.235	0.100	0.100	0.135
Z	0.000	0.103	0.103	0.100	0.100	0.003
D	210.300	212.291	1.991	0.050	0.000	1.941
RN	0.000	0.324	0.324	0.050	0.000	0.274

⊕	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	-0.151	-0.151	0.100	0.100	0.051
Z	0.000	0.193	0.193	0.100	0.100	0.093
D	210.300	212.285	1.985	0.050	0.000	1.935
RN	0.000	0.298	0.298	0.050	0.000	0.248

⊕	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	-0.101	-0.101	0.100	0.100	0.001
Z	0.000	0.183	0.183	0.100	0.100	0.083
D	81.500	82.882	1.382	0.100	0.050	1.282
RN	0.000	0.088	0.088	0.150	0.000	0.000

⊕	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	-0.080	-0.080	0.100	0.100	0.000
Z	0.000	0.112	0.112	0.100	0.100	0.012
D	81.500	82.862	1.362	0.100	0.050	1.262
RN	0.000	0.151	0.151	0.150	0.000	0.001

∠	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.413	-0.413	

⊕	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00013	0.00000	1.00000	

⊕	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00013	0.00721	0.99997	

⊕	MM	LOC25 - CIR F1 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.298	0.098	0.200	0.000	0.000	
RN	0.000	0.030	0.030	0.200	0.000	0.000	

⊕	MM	LOC26 - CIR F2 SS ID					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.293	0.093	0.200	0.000	0.000	
RN	0.000	0.034	0.034	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	-111.601	0.399	0.500	0.500	0.000	
FL	0.000	0.048	0.048	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	-111.826	0.174	0.500	0.500	0.000	
FL	0.000	0.053	0.053	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	111.705	-0.295	0.500	0.500	0.000	
FL	0.000	0.013	0.013	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	111.765	-0.235	0.500	0.500	0.000	
FL	0.000	0.031	0.031	0.400	0.000	0.000	

⊥	MM	PERP3 - PLNC_ATTRING_LB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.137	0.137	0.500	0	0.000	

⊥	MM	PERP4 - PLNC_ATTRING_LT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.095	0.095	0.500	0	0.000	

⊥	MM	PERP5 - PLNC_ATTRING_RB TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.027	0.027	0.500	0	0.000	
⊥	MM	PERP6 - PLNC_ATTRING_RT TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.140	0.140	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	84.172	0.172	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	83.947	-0.053	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	84.067	0.067	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	84.008	0.008	0.500	0.500	0.000	

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

AR= Attachment Ring

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface