pc-dmis	PART NAME : PN457528-n-v5-IL TE1AES-010		October 18, 2011	14:20
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#93227 S/N TE1AES010
INSPECTOR: O. LIRA 10/18/11

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.979	-0.021	0.500	0.500	0.000	
FL	0.000	0.011	0.011	0.400	0.000	0.000	
⌖	MM	LOC2 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.979	0.021	0.500	0.500	0.000	
FL	0.000	0.010	0.010	0.400	0.000	0.000	
⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	195.000	194.957	-0.043	0.500	0.500	0.000	
FL	0.000	0.014	0.014	0.400	0.000	0.000	
⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-195.000	-194.999	0.001	0.500	0.500	0.000	
FL	0.000	0.012	0.012	0.400	0.000	0.000	
⌖	MM	LOC5 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.986	-0.014	0.500	0.500	0.000	
FL	0.000	0.008	0.008	0.400	0.000	0.000	
⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.983	0.017	0.500	0.500	0.000	
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	0.136	0.136	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	0.199	0.199	0.400	0	0.000	

⌗	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00031		0.00009
⌗	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00118		0.00014
⌗	MM	LOC9 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00033		0.00009
⌗	MM	LOC10 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00116		0.00017
⌗	MM	LOC11 - PLNC_BEAM_TUBE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00041		0.00004
⌗	MM	LOC12 - PLNC_BEAM_TUBE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00110		0.00032
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.959	-0.041	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	1.023	0.023	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	0.980	-0.020	0.100	0.000	-0.020
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.881	-0.119	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	392.015	0.015	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	392.047	0.047	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	391.893	-0.107	1.000	1.000	0.000

⊕	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	194.007	1.007	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	78.100	78.091	-0.009	0.050	0.000	-0.009
RN	0.000	0.163	0.163	0.050	0.000	0.113

⊕	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.993	-0.993	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	78.100	78.047	-0.053	0.050	0.000	-0.053
RN	0.000	0.108	0.108	0.050	0.000	0.058

⊕	MM	LOC15 - CIRC_BOLT_C_D1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.953	-0.047	10.000	10.000	0.000
Y	0.000	-0.007	-0.007	0.150	0.150	0.000
Z	0.000	0.020	0.020	0.150	0.150	0.000
D	120.000	119.929	-0.071	0.150	0.150	0.000
RN	0.000	0.042	0.042	0.150	0.000	0.000

⊕	MM	LOC16 - CIRC_BOLT_C_D2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.938	0.062	10.000	10.000	0.000
Y	0.000	-0.065	-0.065	0.150	0.150	0.000
Z	0.000	-0.047	-0.047	0.150	0.150	0.000
D	120.000	119.924	-0.076	0.150	0.150	0.000
RN	0.000	0.059	0.059	0.150	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	-0.113	-0.113	0.100	0.100	-0.013
Z	0.000	-0.057	-0.057	0.100	0.100	0.000
D	210.300	210.728	0.428	0.050	0.000	0.378
RN	0.000	0.185	0.185	0.050	0.000	0.135

⌗	MM	LOC18 - CIRC_HALF_CELL_2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-4.500	-4.508	-0.008	1.000	1.000	0.000
Y	0.000	-0.152	-0.152	0.100	0.100	-0.052
Z	0.000	-0.063	-0.063	0.100	0.100	0.000
D	210.300	210.789	0.489	0.050	0.000	0.439
RN	0.000	0.152	0.152	0.050	0.000	0.102

⌗	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	-0.230	-0.230	0.100	0.100	-0.130
Z	0.000	-0.084	-0.084	0.100	0.100	0.000
D	82.000	84.209	2.209	0.100	0.050	2.109
RN	0.000	0.131	0.131	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	-0.148	-0.148	0.100	0.100	-0.048
Z	0.000	-0.104	-0.104	0.100	0.100	-0.004
D	82.000	84.220	2.220	0.100	0.050	2.120
RN	0.000	0.206	0.206	0.150	0.000	0.056

∠	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	30.026	30.026	

⌗	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00000	-0.00229	1.00000	

⌗	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00030	-0.50237	0.86465	

⌗	MM	LOC25 - CIR F1 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.223	0.023	0.200	0.000	0.000
RN	0.000	0.013	0.013	0.200	0.000	0.000

⌗	MM	LOC26 - CIR F2 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.210	0.010	0.200	0.000	0.000
RN	0.000	0.013	0.013	0.200	0.000	0.000

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

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface