pc-dmis	PART NAME : PN457528-n-v5-IL TE1AES-016		October 13, 2011	14:18
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#93233 S/N TE1AES016
INSPECTOR: O. LIRA 10/13/11

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.597	-0.403	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	-195.597	0.403	0.500	0.500	0.000	
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	194.616	-0.384	0.500	0.500	0.000	
FL	0.000	0.013	0.013	0.400	0.000	0.000	

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-195.000	-194.624	0.376	0.500	0.500	0.000	
FL	0.000	0.009	0.009	0.400	0.000	0.000	

⌖	MM	LOC5 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.596	-0.404	0.500	0.500	0.000	
FL	0.000	0.013	0.013	0.400	0.000	0.000	

⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.602	0.398	0.500	0.500	0.000	
FL	0.000	0.003	0.003	0.400	0.000	0.000	

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.079	0.079	0.400	0	0.000	

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.120	0.120	0.400	0	0.000	

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.195	0.195	0.400	0	0.000	

⌗	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00073		0.00009
⌗	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00007		0.00122
⌗	MM	LOC9 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00072		0.00007
⌗	MM	LOC10 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00008		0.00121
⌗	MM	LOC11 - PLNC_BEAM_TUBE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		0.00070		-0.00006
⌗	MM	LOC12 - PLNC_BEAM_TUBE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00008		0.00120
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.194	-0.806	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	0.981	-0.019	0.100	0.000	-0.019
↔	MM	DIST3 - PLNC_FLANGE2 TO PLNC_SEALING_SURFACE_F2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	0.973	-0.027	0.100	0.000	-0.027
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.095	-0.905	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	391.174	-0.826	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	391.287	-0.713	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	391.220	-0.780	1.000	1.000	0.000

⊕	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	193.615	0.615	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	78.059	-0.041	0.050	0.000	-0.041
RN	0.000	0.103	0.103	0.050	0.000	0.053

⊕	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.574	-0.574	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	78.077	-0.023	0.050	0.000	-0.023
RN	0.000	0.179	0.179	0.050	0.000	0.129

⊕	MM	LOC15 - CIRC_BOLT_C_D1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.560	-0.440	10.000	10.000	0.000
Y	0.000	0.007	0.007	0.150	0.150	0.000
Z	0.000	0.004	0.004	0.150	0.150	0.000
D	120.000	119.926	-0.074	0.150	0.150	0.000
RN	0.000	0.020	0.020	0.150	0.000	0.000

⊕	MM	LOC16 - CIRC_BOLT_C_D2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.519	0.481	10.000	10.000	0.000
Y	0.000	0.044	0.044	0.150	0.150	0.000
Z	0.000	0.037	0.037	0.150	0.150	0.000
D	120.000	119.923	-0.077	0.150	0.150	0.000
RN	0.000	0.045	0.045	0.150	0.000	0.000

⊕	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	0.058	0.058	0.100	0.100	0.000
Z	0.000	-0.159	-0.159	0.100	0.100	-0.059
D	210.300	210.773	0.473	0.050	0.000	0.423
RN	0.000	0.364	0.364	0.050	0.000	0.314

⌗	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	-0.024	-0.024	0.100	0.100	0.000
Z	0.000	-0.148	-0.148	0.100	0.100	-0.048
D	210.300	210.780	0.480	0.050	0.000	0.430
RN	0.000	0.498	0.498	0.050	0.000	0.448

⌗	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	-0.029	-0.029	0.100	0.100	0.000
Z	0.000	-0.019	-0.019	0.100	0.100	0.000
D	82.000	84.155	2.155	0.100	0.050	2.055
RN	0.000	0.218	0.218	0.150	0.000	0.068

⌗	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	-0.042	-0.042	0.100	0.100	0.000
Z	0.000	-0.168	-0.168	0.100	0.100	-0.068
D	82.000	84.178	2.178	0.100	0.050	2.078
RN	0.000	0.114	0.114	0.150	0.000	0.000

∠	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.139	-0.139	

⌗	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00039	-0.00184	1.00000	

⌗	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00038	0.00058	1.00000	

⌗	MM	LOC25 - CIR F1 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.216	0.016	0.200	0.000	0.000
RN	0.000	0.011	0.011	0.200	0.000	0.000

⌗	MM	LOC26 - CIR F2 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.208	0.008	0.200	0.000	0.000
RN	0.000	0.015	0.015	0.200	0.000	0.000

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

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface