pc-dmis	PART NAME : PN457528-n-v5-IL TE1AES-011		October 18, 2011	11:19
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#93228 S/N TE1AES011
INSPECTOR: O. LIRA 10/18/11

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.975	-0.025	0.500	0.500	0.000	
FL	0.000	0.016	0.016	0.400	0.000	0.000	

⌖	MM	LOC2 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.975	0.025	0.500	0.500	0.000	
FL	0.000	0.012	0.012	0.400	0.000	0.000	

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	195.000	195.022	0.022	0.500	0.500	0.000	
FL	0.000	0.011	0.011	0.400	0.000	0.000	

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-195.000	-195.010	-0.010	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	195.952	-0.048	0.500	0.500	0.000	
FL	0.000	0.007	0.007	0.400	0.000	0.000	

⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.952	0.048	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	0.129	0.129	0.400	0	0.000	

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.080	0.080	0.400	0	0.000	

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.197	0.197	0.400	0	0.000	

⌗	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00312		-0.00041
⌗	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00181		-0.00033
⌗	MM	LOC9 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00308		-0.00039
⌗	MM	LOC10 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00182		-0.00032
⌗	MM	LOC11 - PLNC_BEAM_TUBE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00306		-0.00036
⌗	MM	LOC12 - PLNC_BEAM_TUBE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00181		-0.00034
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.949	-0.051	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	0.953	-0.047	0.100	0.000	-0.047
↔	MM	DIST3 - PLNC_FLANGE2 TO PLNC_SEALING_SURFACE_F2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	0.965	-0.035	0.100	0.000	-0.035
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	392.042	0.042	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	391.923	-0.077	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	391.856	-0.144	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	391.976	-0.024	1.000	1.000	0.000

⊕	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	194.031	1.031	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	78.099	-0.001	0.050	0.000	-0.001
RN	0.000	0.161	0.161	0.050	0.000	0.111

⊕	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-194.034	-1.034	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	78.199	0.099	0.050	0.000	0.049
RN	0.000	0.086	0.086	0.050	0.000	0.036

⊕	MM	LOC15 - CIRC_BOLT_C_D1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.977	-0.023	10.000	10.000	0.000
Y	0.000	0.103	0.103	0.150	0.150	0.000
Z	0.000	0.102	0.102	0.150	0.150	0.000
D	120.000	119.924	-0.076	0.150	0.150	0.000
RN	0.000	0.037	0.037	0.150	0.000	0.000

⊕	MM	LOC16 - CIRC_BOLT_C_D2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.980	0.020	10.000	10.000	0.000
Y	0.000	-0.049	-0.049	0.150	0.150	0.000
Z	0.000	-0.006	-0.006	0.150	0.150	0.000
D	120.000	119.926	-0.074	0.150	0.150	0.000
RN	0.000	0.039	0.039	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	0.085	0.085	0.100	0.100	0.000
Z	0.000	0.048	0.048	0.100	0.100	0.000
D	210.300	210.735	0.435	0.050	0.000	0.385
RN	0.000	0.206	0.206	0.050	0.000	0.156

⌗	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	0.074	0.074	0.100	0.100	0.000
Z	0.000	0.054	0.054	0.100	0.100	0.000
D	210.300	210.754	0.454	0.050	0.000	0.404
RN	0.000	0.194	0.194	0.050	0.000	0.144

⌗	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	0.177	0.177	0.100	0.100	0.077
Z	0.000	0.069	0.069	0.100	0.100	0.000
D	82.000	84.192	2.192	0.100	0.050	2.092
RN	0.000	0.176	0.176	0.150	0.000	0.026

⌗	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	0.140	0.140	0.100	0.100	0.040
Z	0.000	0.137	0.137	0.100	0.100	0.037
D	82.000	84.201	2.201	0.100	0.050	2.101
RN	0.000	0.102	0.102	0.150	0.000	0.000

∡	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.009	-0.009	

⌗	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00005	-0.00368	0.99999	

⌗	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	0.00005	-0.00351	0.99999	

⌗	MM	LOC25 - CIR F1 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.175	-0.025	0.200	0.000	-0.025
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	109.221	0.021	0.200	0.000	0.000
RN	0.000	0.019	0.019	0.200	0.000	0.000

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

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface