pc-dmis	PART NAME : PN457528-n-v5-IL TE1AES-015		October 17, 2011	06:41
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#93232 S/N TE1AES015
INSPECTOR: O. LIRA 10/17/11

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.323	-0.677	0.500	0.500	-0.177	
FL	0.000	0.022	0.022	0.400	0.000	0.000	

⌖	MM	LOC2 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.323	0.677	0.500	0.500	0.177	
FL	0.000	0.011	0.011	0.400	0.000	0.000	

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	195.000	194.312	-0.688	0.500	0.500	-0.188	
FL	0.000	0.017	0.017	0.400	0.000	0.000	

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-195.000	-194.361	0.639	0.500	0.500	0.139	
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	195.335	-0.665	0.500	0.500	-0.165	
FL	0.000	0.010	0.010	0.400	0.000	0.000	

⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.286	0.714	0.500	0.500	0.214	
FL	0.000	0.012	0.012	0.400	0.000	0.000	

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.099	0.099	0.400	0	0.000	

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.107	0.107	0.400	0	0.000	

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.150	0.150	0.400	0	0.000	

⌗	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00124		0.00103
⌗	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00215		-0.00038
⌗	MM	LOC9 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00121		0.00098
⌗	MM	LOC10 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00213		-0.00040
⌗	MM	LOC11 - PLNC_BEAM_TUBE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00123		0.00092
⌗	MM	LOC12 - PLNC_BEAM_TUBE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00220		-0.00040
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.646	-1.354	1.000	1.000	-0.354
↔	MM	DIST2 - PLNC_FLANGE1 TO PLNC_SEALING_SURFACE_F1 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	1.011	0.011	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	0.962	-0.038	0.100	0.000	-0.038
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.564	-1.436	1.000	1.000	-0.436
↔	MM	DIST5 - PNT_FLANGE1_5 TO PNT_FLANGE2_5 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.664	-1.336	1.000	1.000	-0.336

↔	MM	DIST6 - PNT_FLANGE1_8 TO PNT_FLANGE2_8 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.705	-1.295	1.000	1.000	-0.295

↔	MM	DIST7 - PNT_FLANGE1_11 TO PNT_FLANGE2_11 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.645	-1.355	1.000	1.000	-0.355

⊕	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	193.346	0.346	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	78.149	0.049	0.050	0.000	0.000
RN	0.000	0.162	0.162	0.050	0.000	0.112

⊕	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.356	-0.356	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	78.134	0.034	0.050	0.000	0.000
RN	0.000	0.139	0.139	0.050	0.000	0.089

⊕	MM	LOC15 - CIRC_BOLT_C_D1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.291	-0.709	10.000	10.000	0.000
Y	0.000	-0.105	-0.105	0.150	0.150	0.000
Z	0.000	-0.013	-0.013	0.150	0.150	0.000
D	120.000	119.929	-0.071	0.150	0.150	0.000
RN	0.000	0.046	0.046	0.150	0.000	0.000

⊕	MM	LOC16 - CIRC_BOLT_C_D2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.301	0.699	10.000	10.000	0.000
Y	0.000	0.026	0.026	0.150	0.150	0.000
Z	0.000	-0.099	-0.099	0.150	0.150	0.000
D	120.000	119.925	-0.075	0.150	0.150	0.000
RN	0.000	0.044	0.044	0.150	0.000	0.000

⊕	MM	LOC17 - CIRC_HALF_CELL_1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.497	-0.003	1.000	1.000	0.000
Y	0.000	-0.110	-0.110	0.100	0.100	-0.010
Z	0.000	-0.076	-0.076	0.100	0.100	0.000
D	210.300	210.978	0.678	0.050	0.000	0.628
RN	0.000	0.251	0.251	0.050	0.000	0.201

⌗	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	-0.127	-0.127	0.100	0.100	-0.027
Z	0.000	-0.011	-0.011	0.100	0.100	0.000
D	210.300	211.026	0.726	0.050	0.000	0.676
RN	0.000	0.183	0.183	0.050	0.000	0.133

⌗	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	-0.067	-0.067	0.100	0.100	0.000
Z	0.000	-0.032	-0.032	0.100	0.100	0.000
D	82.000	84.127	2.127	0.100	0.050	2.027
RN	0.000	0.296	0.296	0.150	0.000	0.146

⌗	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	-0.037	-0.037	0.100	0.100	0.000
Z	0.000	-0.064	-0.064	0.100	0.100	0.000
D	82.000	84.127	2.127	0.100	0.050	2.027
RN	0.000	0.295	0.295	0.150	0.000	0.145

∡	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
A	0.000	-0.063	-0.063	

⌗	MM	LOC21 - LINC_OFFSET1		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00065	-0.00177	1.00000	

⌗	MM	LOC22 - LINC_OFFSET2		
AX	NOMINAL	MEAS	DEV	
AX	I	J	K	
V	-0.00065	-0.00068	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	0.016	0.016	0.200	0.000	0.000

⌗	MM	LOC26 - CIR F2 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.177	-0.023	0.200	0.000	-0.023
RN	0.000	0.011	0.011	0.200	0.000	0.000

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

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface