pc-dmis	PART NAME : PN457528-n-v5-IL TE1AES-008		October 19, 2011	06:23
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY ASSEMBLY
RF#93225 S/N TE1AES008
INSPECTOR: O. LIRA 10/19/11

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.812	-0.188	0.500	0.500	0.000	
FL	0.000	0.013	0.013	0.400	0.000	0.000	

⌖	MM	LOC2 - PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.812	0.188	0.500	0.500	0.000	
FL	0.000	0.008	0.008	0.400	0.000	0.000	

⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	195.000	194.860	-0.140	0.500	0.500	0.000	
FL	0.000	0.009	0.009	0.400	0.000	0.000	

⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-195.000	-194.862	0.138	0.500	0.500	0.000	
FL	0.000	0.013	0.013	0.400	0.000	0.000	

⌖	MM	LOC5 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	196.000	195.793	-0.207	0.500	0.500	0.000	
FL	0.000	0.015	0.015	0.400	0.000	0.000	

⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
X	-196.000	-195.792	0.208	0.500	0.500	0.000	
FL	0.000	0.004	0.004	0.400	0.000	0.000	

⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.181	0.181	0.400	0	0.000	

⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.033	0.033	0.400	0	0.000	

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2					
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
M	0	0.211	0.211	0.400	0	0.000	

⌗	MM	LOC7 - PLNC_FLANGE1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00061		-0.00052
⌗	MM	LOC8 - PLNC_FLANGE2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00012		-0.00100
⌗	MM	LOC9 - PLNC_SEALING_SURFACE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00060		-0.00052
⌗	MM	LOC10 - PLNC_SEALING_SURFACE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00011		-0.00100
⌗	MM	LOC11 - PLNC_BEAM_TUBE_F1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		1.00000		-0.00061		-0.00046
⌗	MM	LOC12 - PLNC_BEAM_TUBE_F2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
AX		I		J		K
V		-1.00000		0.00011		-0.00100
↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.625	-0.375	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	0.952	-0.048	0.100	0.000	-0.048
↔	MM	DIST3 - PLNC_FLANGE2 TO PLNC_SEALING_SURFACE_F2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	0.950	-0.050	0.100	0.000	-0.050
↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	391.724	-0.276	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	391.667	-0.333	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	391.538	-0.462	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	391.571	-0.429	1.000	1.000	0.000

⊞	MM	LOC13 - CIR_BT_ID1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	193.917	0.917	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	78.008	-0.092	0.050	0.000	-0.092
RN	0.000	0.108	0.108	0.050	0.000	0.058

⊞	MM	LOC14 - CIR_BT_ID2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-193.875	-0.875	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	78.092	-0.008	0.050	0.000	-0.008
RN	0.000	0.099	0.099	0.050	0.000	0.049

⊞	MM	LOC15 - CIRC_BOLT_C_D1				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.862	-0.138	10.000	10.000	0.000
Y	0.000	-0.044	-0.044	0.150	0.150	0.000
Z	0.000	0.034	0.034	0.150	0.150	0.000
D	120.000	119.931	-0.069	0.150	0.150	0.000
RN	0.000	0.085	0.085	0.150	0.000	0.000

⊞	MM	LOC16 - CIRC_BOLT_C_D2				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.820	0.180	10.000	10.000	0.000
Y	0.000	0.109	0.109	0.150	0.150	0.000
Z	0.000	0.129	0.129	0.150	0.150	0.000
D	120.000	119.930	-0.070	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	4.495	-0.005	1.000	1.000	0.000
Y	0.000	0.080	0.080	0.100	0.100	0.000
Z	0.000	0.122	0.122	0.100	0.100	0.022
D	210.300	210.714	0.414	0.050	0.000	0.364
RN	0.000	0.180	0.180	0.050	0.000	0.130

⌗	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	0.077	0.077	0.100	0.100	0.000
Z	0.000	0.136	0.136	0.100	0.100	0.036
D	210.300	210.745	0.445	0.050	0.000	0.395
RN	0.000	0.187	0.187	0.050	0.000	0.137

⌗	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	0.082	0.082	0.100	0.100	0.000
Z	0.000	0.065	0.065	0.100	0.100	0.000
D	82.000	84.187	2.187	0.100	0.050	2.087
RN	0.000	0.094	0.094	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	0.119	0.119	0.100	0.100	0.019
Z	0.000	0.067	0.067	0.100	0.100	0.000
D	82.000	84.196	2.196	0.100	0.050	2.096
RN	0.000	0.213	0.213	0.150	0.000	0.063

∠	DEG	ANGL1 - LINC_OFFSET1 TO LINC_OFFSET2		
AX		NOMINAL	MEAS	DEV
A		0.000	-0.215	-0.215

⌗	MM	LOC21 - LINC_OFFSET1		
AX		NOMINAL	MEAS	DEV
AX	I	J	K	
V	-0.00043	-0.00455	0.99999	

⌗	MM	LOC22 - LINC_OFFSET2		
AX		NOMINAL	MEAS	DEV
AX	I	J	K	
V	-0.00043	-0.00079	1.00000	

⌗	MM	LOC25 - CIR F1 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.182	-0.018	0.200	0.000	-0.018
RN	0.000	0.012	0.012	0.200	0.000	0.000

⌗	MM	LOC26 - CIR F2 SS ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.181	-0.019	0.200	0.000	-0.019
RN	0.000	0.014	0.014	0.200	0.000	0.000

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

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface