pc-dmis	PART NAME : 457528_TE1CATLZW001		April 17, 2013	13:47
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

457528
SRF 1.3GHZ
SINGLE CELL RF CAVITY ASSEMBLY
RF# 95405 S/N TE1CATLZW001
INSPECTOR: O. LIRA 04/17/13

⌖	MM	LOC1 - PLNC_FLANGE1					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	196.000	0.500	0.500	197.016	1.016	0.516	
FL	0.000	0.400	0.000	0.017	0.017	0.000	
⌖	MM	LOC2 - PLNC_FLANGE2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-196.000	0.500	0.500	-197.015	-1.015	0.515	
FL	0.000	0.400	0.000	0.017	0.017	0.000	
⌖	MM	LOC3 - PLNC_SEALING_SURFACE_F1					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	195.000	0.500	0.500	195.950	0.950	0.450	
FL	0.000	0.400	0.000	0.010	0.010	0.000	
⌖	MM	LOC4 - PLNC_SEALING_SURFACE_F2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-195.000	0.500	0.500	-195.951	-0.951	0.451	
FL	0.000	0.400	0.000	0.011	0.011	0.000	
⌖	MM	LOC5 - PLNC_BEAM_TUBE_F1					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	196.000	0.500	0.500	195.813	-0.187	0.000	
FL	0.000	0.400	0.000	0.055	0.055	0.000	
⌖	MM	LOC6 - PLNC_BEAM_TUBE_F2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-196.000	0.500	0.500	-192.935	3.065	2.565	
FL	0.000	0.400	0.000	0.179	0.179	0.000	
⊥	MM	PERP1 - PLNC_FLANGE1 TO LINC_BEAM_AXIS					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	0	0.400	0	0.173	0.173	0.000	
⊥	MM	PERP2 - PLNC_FLANGE2 TO LINC_BEAM_AXIS					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	0	0.400	0	0.120	0.120	0.000	

//	MM	PARL1 - PLNC_FLANGE1 TO PLNC_FLANGE2				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	0	0.400	0	0.254	0.254	0.000

⌖	MM	LOC7 - PLNC_FLANGE1		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	1.00000	0.00057	-0.00118

⌖	MM	LOC8 - PLNC_FLANGE2		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	-1.00000	0.00092	-0.00005

⌖	MM	LOC9 - PLNC_SEALING_SURFACE_F1		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	1.00000	0.00056	-0.00116

⌖	MM	LOC10 - PLNC_SEALING_SURFACE_F2		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	-1.00000	0.00088	-0.00004

⌖	MM	LOC11 - PLNC_BEAM_TUBE_F1		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	1.00000	-0.00141	-0.00036

⌖	MM	LOC12 - PLNC_BEAM_TUBE_F2		
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
AX	I	J	K
V	-1.00000	0.00086	0.00073

↔	MM	DIST1 - PLNC_FLANGE1 TO PLNC_FLANGE2 (XAXIS)				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	392.000	1.000	1.000	394.031	2.031	1.031

↔	MM	DIST2 - PLNC_FLANGE1 TO PLNC_SEALING_SURFACE_F1 (XAXIS)				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	1.000	0.100	0.000	1.066	0.066	0.000

↔	MM	DIST3 - PLNC_FLANGE2 TO PLNC_SEALING_SURFACE_F2 (XAXIS)				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	1.000	0.100	0.000	1.065	0.065	0.000

↔	MM	DIST4 - PNT_FLANGE1_2 TO PNT_FLANGE2_2 (XAXIS)				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
M	392.000	1.000	1.000	394.029	2.029	1.029

↔	MM	DIST5 - PNT_FLANGE1_5 TO PNT_FLANGE2_5 (XAXIS)					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	392.000	1.000	1.000	394.142	2.142	1.142	

↔	MM	DIST6 - PNT_FLANGE1_8 TO PNT_FLANGE2_8 (XAXIS)					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	392.000	1.000	1.000	394.054	2.054	1.054	

↔	MM	DIST7 - PNT_FLANGE1_11 TO PNT_FLANGE2_11 (XAXIS)					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
M	392.000	1.000	1.000	393.893	1.893	0.893	

⊕	MM	LOC13 - CIR1_BT_ID1					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	194.900	10.000	10.000	194.968	0.068	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	78.000	0.050	0.050	78.208	0.208	0.158	
RN	0.000	0.050	0.000	0.092	0.092	0.042	

⊕	MM	LOC14 - CIR1_BT_ID2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-194.900	10.000	10.000	-188.932	5.968	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	78.000	0.050	0.050	78.103	0.103	0.053	
RN	0.000	0.050	0.000	0.059	0.059	0.009	

⊕	MM	LOC15 - CIRC_BOLT_C_D1					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	190.000	10.000	10.000	190.068	0.068	0.000	
Y	0.000	0.150	0.150	-0.043	-0.043	0.000	
Z	0.000	0.150	0.150	0.105	0.105	0.000	
D	120.000	0.150	0.150	120.010	0.010	0.000	
RN	0.000	0.150	0.000	0.030	0.030	0.000	

⊕	MM	LOC16 - CIRC_BOLT_C_D2					
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL	
X	-190.000	10.000	10.000	-189.932	0.068	0.000	
Y	0.000	0.150	0.150	0.053	0.053	0.000	
Z	0.000	0.150	0.150	0.034	0.034	0.000	
D	120.000	0.150	0.150	119.998	-0.002	0.000	
RN	0.000	0.150	0.000	0.059	0.059	0.000	

⌖	MM	LOC17 - CIRC_HALF_CELL_1				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
X	4.000	1.000	1.000	3.996	-0.004	0.000
Y	0.000	0.100	0.100	0.035	0.035	0.000
Z	0.000	0.100	0.100	0.094	0.094	0.000
D	210.300	0.050	0.000	210.283	-0.017	0.017
RN	0.000	0.050	0.000	0.193	0.193	0.143

⌖	MM	LOC18 - CIRC_HALF_CELL_2				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
X	-4.000	1.000	1.000	-4.008	-0.008	0.000
Y	0.000	0.100	0.100	0.113	0.113	0.013
Z	0.000	0.100	0.100	0.013	0.013	0.000
D	210.300	0.050	0.000	210.277	-0.023	0.023
RN	0.000	0.050	0.000	0.140	0.140	0.090

⌖	MM	LOC19 - CIRC_BEAM_TUBE1_OD				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
Y	0.000	0.100	0.100	0.115	0.115	0.015
Z	0.000	0.100	0.100	0.125	0.125	0.025
D	83.600	0.050	0.000	83.137	-0.463	0.463
RN	0.000	0.050	0.000	0.135	0.135	0.085

⌖	MM	LOC20 - CIRC_BEAM_TUBE2_OD				
AX	NOMINAL	+TOL	-TOL	MEAS	DEV	OUTTOL
Y	0.000	0.100	0.100	-0.020	-0.020	0.000
Z	0.000	0.100	0.100	-0.110	-0.110	0.010
D	83.600	0.050	0.000	83.156	-0.444	0.444
RN	0.000	0.050	0.000	0.059	0.059	0.009

∠	DEG	ANGL - LINC_OFFSET2 TO ZAXIS		
AX	NOMINAL	MEAS	DEV	
A	0.000	8.240	8.240	

⌖	MM	LOC25 - CIR1_F1_SS_ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.306	0.106	0.200	0.000	0.000
RN	0.000	0.018	0.018	0.200	0.000	0.000

⌖	MM	LOC26 - CIR1_F2_SS_ID				
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
D	109.200	109.385	0.185	0.200	0.000	0.000
RN	0.000	0.055	0.055	0.200	0.000	0.000

****** REPORT ABBREVIATIONS ******

F= Flange

BT= Beam Tube

HC= Half Cell

SS= Sealing Surface