DATE=10/19/2007 TIME=9:25:34 AM
PART NAME : PN457528-n-v2-IR TE1AES006
REV NUMBER :
SER NUMBER :
STATS COUNT : 1

457528-n
DESY 1.3GHZ TESLA
SINGLE CELL RF CAVITY
ASSEMBLY

'Inspected by ' : Robert Riley
'Sample Number' : RF87066 TE1AES006
' ' : 0710190837

MM DIM LOC1= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.210	-0.790	0.500	0.500	0.290
FL	0.000	0.016	0.016	0.400	0.000	0.000

MM DIM LOC2= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.210	0.790	0.500	0.500	0.290
FL	0.000	0.007	0.007	0.400	0.000	0.000

MM DIM LOC3= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	195.000	194.208	-0.792	0.500	0.500	0.292
FL	0.000	0.010	0.010	0.400	0.000	0.000

MM DIM LOC4= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-195.000	-194.241	0.759	0.500	0.500	0.259
FL	0.000	0.004	0.004	0.400	0.000	0.000

MM DIM LOC5= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.248	-0.752	0.500	0.500	0.252
FL	0.000	0.005	0.005	0.400	0.000	0.000

MM DIM LOC6= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.238	0.762	0.500	0.500	0.262
FL	0.000	0.005	0.005	0.400	0.000	0.000

MM DIM PERP1= PERPEND OF PLANE PLNC FLANGE1,RFS TO LINE LINC BEAM AXIS,RFS EXTEND=0.000

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.059	0.059	0.400	0.000	0.000

MM DIM PERP2= PERPEND OF PLANE PLNC FLANGE2,RFS TO LINE LINC BEAM AXIS,RFS EXTEND=0.000

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.084	0.084	0.400	0.000	0.000

MM DIM PARL1= PARALLEL OF PLANE PLNC FLANGE1,RFS TO PLANE PLNC FLANGE2,RFS EXTEND=0.000

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	0.000	0.096	0.096	0.400	0.000	0.000

MM DIM LOC7= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00039	0.00012			

MM DIM LOC8= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00014	-0.00064			

MM DIM LOC9= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00039	0.00010			

MM DIM LOC10= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00014	-0.00063			

MM DIM LOC11= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00028	-0.00030			

MM DIM LOC12= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00020	-0.00011			

MM DIM DIST1= 2D DISTANCE FROM PLANE PLNC FLANGE1 TO PLANE PLNC FLANGE2 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.421	-1.579	1.000	1.000	0.579

MM DIM DIST2= 2D DISTANCE FROM PLANE PLNC FLANGE1 TO PLANE PLNC SS F1 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	1.002	0.002	0.100	0.000	0.000

MM DIM DIST3= 2D DISTANCE FROM PLANE PLNC FLANGE2 TO PLANE PLNC SS F2 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	1.000	0.970	-0.030	0.100	0.000	0.030

MM DIM DIST4= 2D DISTANCE FROM POINT PNT FLANGE1-2 TO POINT PNT FLANGE2-2 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.474	-1.526	1.000	1.000	0.526

MM DIM DIST5= 2D DISTANCE FROM POINT PNT FLANGE1-5 TO POINT PNT FLANGE2-5 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.416	-1.584	1.000	1.000	0.584

MM DIM DIST6= 2D DISTANCE FROM POINT PNT FLANGE1-8 TO POINT PNT FLANGE2-8 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.380	-1.620	1.000	1.000	0.620

MM DIM DIST7= 2D DISTANCE FROM POINT PNT FLANGE1-11 TO POINT PNT FLANGE2-11 PAR TO XAXIS

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
M	392.000	390.415	-1.585	1.000	1.000	0.585

MM DIM LOC13= LOCATION OF CIRCLE CIR BT ID1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.199	-0.801	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	78.222	0.122	0.050	0.000	0.072
RN	0.000	0.059	0.059	0.050	0.000	0.009

MM DIM LOC14= LOCATION OF CIRCLE CIR BT ID2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.244	0.756	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	78.216	0.116	0.050	0.000	0.066
RN	0.000	0.081	0.081	0.050	0.000	0.031

MM DIM LOC15= LOCATION OF CIRCLE CIRC BC D1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.199	-0.801	10.000	10.000	0.000
Y	0.000	-0.022	-0.022	0.150	0.150	0.000
Z	0.000	0.036	0.036	0.150	0.150	0.000
D	120.000	119.940	-0.060	0.150	0.150	0.000
RN	0.000	0.063	0.063	0.150	0.000	0.000

MM DIM LOC16= LOCATION OF CIRCLE CIRC BC D2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.244	0.756	10.000	10.000	0.000
Y	0.000	0.005	0.005	0.150	0.150	0.000
Z	0.000	-0.031	-0.031	0.150	0.150	0.000
D	120.000	119.955	-0.045	0.150	0.150	0.000
RN	0.000	0.071	0.071	0.150	0.000	0.000

MM DIM LOC17= LOCATION OF CIRCLE CIRC HC1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.504	0.004	1.000	1.000	0.000
Y	0.000	0.052	0.052	0.100	0.100	0.000
Z	0.000	0.012	0.012	0.100	0.100	0.000
D	210.300	211.058	0.758	0.050	0.000	0.708
RN	0.000	0.208	0.208	0.050	0.000	0.158

MM DIM LOC18= LOCATION OF CIRCLE CIRC HC2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-4.500	-4.507	-0.007	1.000	1.000	0.000
Y	0.000	0.033	0.033	0.100	0.100	0.000
Z	0.000	0.002	0.002	0.100	0.100	0.000
D	210.300	211.026	0.725	0.050	0.000	0.675
RN	0.000	0.318	0.318	0.050	0.000	0.268

MM DIM LOC19= LOCATION OF CIRCLE CIRC BTOD1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	57.000	56.998	-0.002	1.000	1.000	0.000
Y	0.000	0.079	0.079	0.100	0.100	0.000
Z	0.000	-0.004	-0.004	0.100	0.100	0.000
D	81.500	82.015	0.515	0.100	0.050	0.415
RN	0.000	0.199	0.199	0.150	0.000	0.049

MM DIM LOC20= LOCATION OF CIRCLE CIRC BTOD2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-57.000	-57.001	-0.001	1.000	1.000	0.000
Y	0.000	0.032	0.032	0.100	0.100	0.000
Z	0.000	0.005	0.005	0.100	0.100	0.000
D	81.500	82.106	0.606	0.100	0.050	0.506
RN	0.000	0.110	0.110	0.150	0.000	0.000

DEG DIM ANGL1= 2D ANGLE (TRUE) FROM LINE LINC OFFSET1 TO LINE LINC OFFSET2

AX	NOMINAL	MEAS	DEV
A	0.000	0.005	0.005

MM	DIM LOC21= LOCATION OF LINE LINC OFFSET1		
AX	NOMINAL	MEAS	DEV
V	-0.00008	0.00000	1.00000

MM	DIM LOC22= LOCATION OF LINE LINC OFFSET2		
AX	NOMINAL	MEAS	DEV
V	-0.00008	-0.00009	1.00000

MM	DIM LOC25= LOCATION OF CIRCLE CIR F1 SS ID						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.244	0.044	0.200	0.000	0.000	
RN	0.000	0.010	0.010	0.200	0.000	0.000	

MM	DIM LOC26= LOCATION OF CIRCLE CIR F2 SS ID						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.249	0.049	0.200	0.000	0.000	
RN	0.000	0.011	0.011	0.200	0.000	0.000	

END OF MEASUREMENT FOR
PN=PN457528-n-v2-IR TE1AES006 DWG= SN=
TOTAL # OF MEAS =67 # OUT OF TOL =28 # OF HOURS =00:43:42