DATE=10/16/2007 TIME=4:06:53 PM
PART NAME : PN457528-n-v1-IR TE1AES001
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 TE1AES001
' ' : 0710061520

MM DIM LOC1= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	194.921	-1.079	0.500	0.500	0.579
FL	0.000	0.008	0.008	0.400	0.000	0.000

MM DIM LOC2= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-194.921	1.079	0.500	0.500	0.579
FL	0.000	0.004	0.004	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	194.000	-1.000	0.500	0.500	0.500
FL	0.000	0.007	0.007	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	-193.905	1.095	0.500	0.500	0.595
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	195.020	-0.980	0.500	0.500	0.480
FL	0.000	0.004	0.004	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	-194.921	1.079	0.500	0.500	0.579
FL	0.000	0.003	0.003	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	0.046	0.046	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	0.066	0.066	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	0.080	0.080	0.400	0.000	0.000

MM DIM LOC7= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00035	-0.00001			

MM DIM LOC8= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	0.00004	-0.00050			

MM DIM LOC9= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00032	-0.00001			

MM DIM LOC10= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	0.00005	-0.00050			

MM DIM LOC11= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00042	-0.00013			

MM DIM LOC12= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00007	-0.00077			

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	389.841	-2.159	1.000	1.000	1.159

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	0.921	-0.079	0.100	0.000	0.079

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	1.016	0.016	0.100	0.000	0.000

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	389.880	-2.120	1.000	1.000	1.120

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	389.851	-2.149	1.000	1.000	1.149

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	389.802	-2.198	1.000	1.000	1.198

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	389.833	-2.167	1.000	1.000	1.167

MM DIM LOC13= LOCATION OF CIRCLE CIR BT ID1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	191.920	-1.080	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	78.247	0.147	0.050	0.000	0.097
RN	0.000	0.068	0.068	0.050	0.000	0.018

MM DIM LOC14= LOCATION OF CIRCLE CIR BT ID2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-191.955	1.045	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	78.208	0.108	0.050	0.000	0.058
RN	0.000	0.062	0.062	0.050	0.000	0.012

MM DIM LOC15= LOCATION OF CIRCLE CIRC BC D1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	191.920	-1.080	10.000	10.000	0.000
Y	0.000	0.057	0.057	0.150	0.150	0.000
Z	0.000	-0.049	-0.049	0.150	0.150	0.000
D	120.000	119.903	-0.097	0.150	0.150	0.000
RN	0.000	0.052	0.052	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	-191.955	1.045	10.000	10.000	0.000
Y	0.000	-0.030	-0.030	0.150	0.150	0.000
Z	0.000	-0.001	-0.001	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 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	-0.003	-0.003	0.100	0.100	0.000
Z	0.000	-0.018	-0.018	0.100	0.100	0.000
D	210.300	211.121	0.821	0.050	0.000	0.771
RN	0.000	0.225	0.225	0.050	0.000	0.175

MM DIM LOC18= LOCATION OF CIRCLE CIRC HC2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-4.500	-4.506	-0.006	1.000	1.000	0.000
Y	0.000	0.044	0.043	0.100	0.100	0.000
Z	0.000	0.017	0.017	0.100	0.100	0.000
D	210.300	211.112	0.812	0.050	0.000	0.762
RN	0.000	0.209	0.209	0.050	0.000	0.159

MM DIM LOC19= LOCATION OF CIRCLE CIRC BTOD1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	57.000	56.999	-0.001	1.000	1.000	0.000
Y	0.000	0.018	0.018	0.100	0.100	0.000
Z	0.000	-0.035	-0.035	0.100	0.100	0.000
D	81.500	81.905	0.405	0.100	0.050	0.305
RN	0.000	0.203	0.203	0.150	0.000	0.053

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	-0.042	-0.042	0.100	0.100	0.000
Z	0.000	0.081	0.080	0.100	0.100	0.000
D	81.500	81.898	0.398	0.100	0.050	0.298
RN	0.000	0.127	0.127	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	0.274	0.274

MM	DIM LOC21= LOCATION OF LINE LINC OFFSET1		
AX	NOMINAL	MEAS	DEV
V	0.00004	0.00000	1.00000

MM	DIM LOC22= LOCATION OF LINE LINC OFFSET2		
AX	NOMINAL	MEAS	DEV
V	0.00004	0.00478	0.99999

MM	DIM LOC25= LOCATION OF CIRCLE CIR F1 SS ID						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.236	0.036	0.200	0.000	0.000	
RN	0.000	0.013	0.013	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	109.236	0.036	0.200	0.000	0.000	
RN	0.000	0.012	0.012	0.200	0.000	0.000	

END OF MEASUREMENT FOR
PN=PN457528-n-v1-IR TE1AES001 DWG= SN=
TOTAL # OF MEAS =4 # OUT OF TOL =0 # OF HOURS =00:07:37