DATE=10/17/2007 TIME=9:17:37 AM
PART NAME : PN457528-n-v1-IR TE1AES002
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 TE1AES002
' ' : 0710170813

MM DIM LOC1= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.902	-0.098	0.500	0.500	0.000
FL	0.000	0.021	0.021	0.400	0.000	0.000

MM DIM LOC2= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.902	0.098	0.500	0.500	0.000
FL	0.000	0.008	0.008	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	194.938	-0.062	0.500	0.500	0.000
FL	0.000	0.013	0.013	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	-194.937	0.063	0.500	0.500	0.000
FL	0.000	0.003	0.003	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	195.918	-0.082	0.500	0.500	0.000
FL	0.000	0.006	0.006	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	-195.902	0.098	0.500	0.500	0.000
FL	0.000	0.002	0.002	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	0.067	0.067	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	0.045	0.045	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	0.073	0.073	0.400	0.000	0.000

MM DIM LOC7= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	0.00032	-0.00036			

MM DIM LOC8= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00032	-0.00016			

MM DIM LOC9= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	0.00032	-0.00035			

MM DIM LOC10= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00033	-0.00016			

MM DIM LOC11= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00006	-0.00050			

MM DIM LOC12= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00022	-0.00076			

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	391.805	-0.195	1.000	1.000	0.000

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	0.964	-0.036	0.100	0.000	0.036

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	0.966	-0.034	0.100	0.000	0.034

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	391.821	-0.179	1.000	1.000	0.000

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	391.835	-0.165	1.000	1.000	0.000

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	391.774	-0.226	1.000	1.000	0.000

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	391.787	-0.213	1.000	1.000	0.000

MM DIM LOC13= LOCATION OF CIRCLE CIR BT ID1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.915	-0.085	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	78.241	0.141	0.050	0.000	0.091
RN	0.000	0.060	0.060	0.050	0.000	0.010

MM DIM LOC14= LOCATION OF CIRCLE CIR BT ID2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-192.922	0.078	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	78.286	0.186	0.050	0.000	0.136
RN	0.000	0.064	0.064	0.050	0.000	0.014

MM DIM LOC15= LOCATION OF CIRCLE CIRC BC D1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.915	-0.085	10.000	10.000	0.000
Y	0.000	-0.053	-0.053	0.150	0.150	0.000
Z	0.000	-0.032	-0.032	0.150	0.150	0.000
D	120.000	119.920	-0.080	0.150	0.150	0.000
RN	0.000	0.098	0.098	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	-192.922	0.078	10.000	10.000	0.000
Y	0.000	0.029	0.029	0.150	0.150	0.000
Z	0.000	0.030	0.030	0.150	0.150	0.000
D	120.000	119.937	-0.063	0.150	0.150	0.000
RN	0.000	0.131	0.131	0.150	0.000	0.000

MM DIM LOC17= LOCATION OF CIRCLE CIRC HC1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	4.500	4.506	0.006	1.000	1.000	0.000
Y	0.000	-0.036	-0.036	0.100	0.100	0.000
Z	0.000	0.006	0.006	0.100	0.100	0.000
D	210.300	211.079	0.779	0.050	0.000	0.729
RN	0.000	0.174	0.174	0.050	0.000	0.124

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	0.023	0.023	0.100	0.100	0.000
Z	0.000	0.089	0.089	0.100	0.100	0.000
D	210.300	211.069	0.768	0.050	0.000	0.718
RN	0.000	0.338	0.338	0.050	0.000	0.288

MM DIM LOC19= LOCATION OF CIRCLE CIRC BTOD1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	57.000	57.000	0.000	1.000	1.000	0.000
Y	0.000	0.020	0.020	0.100	0.100	0.000
Z	0.000	0.101	0.101	0.100	0.100	0.001
D	81.500	81.994	0.494	0.100	0.050	0.394
RN	0.000	0.246	0.246	0.150	0.000	0.096

MM DIM LOC20= LOCATION OF CIRCLE CIRC BTOD2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-57.000	-57.000	0.000	1.000	1.000	0.000
Y	0.000	0.049	0.049	0.100	0.100	0.000
Z	0.000	0.045	0.045	0.100	0.100	0.000
D	81.500	82.054	0.554	0.100	0.050	0.454
RN	0.000	0.193	0.193	0.150	0.000	0.043

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

AX	NOMINAL	MEAS	DEV
A	0.000	0.226	0.226

MM	DIM LOC21= LOCATION OF LINE LINC OFFSET1		
AX	NOMINAL	MEAS	DEV
V	0.00013	0.00000	1.00000

MM	DIM LOC22= LOCATION OF LINE LINC OFFSET2		
AX	NOMINAL	MEAS	DEV
V	0.00013	0.00395	0.99999

MM	DIM LOC25= LOCATION OF CIRCLE CIR F1 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	0.017	0.017	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	109.254	0.054	0.200	0.000	0.000	
RN	0.000	0.009	0.009	0.200	0.000	0.000	

END OF MEASUREMENT FOR
PN=PN457528-n-v1-IR TE1AES002 DWG= SN=
TOTAL # OF MEAS =4 # OUT OF TOL =0 # OF HOURS =00:05:33