DATE=10/18/2007 TIME=3:12:00 PM
PART NAME : PN457528-n-v2-IR TE1AES005
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 TE1AES005
' ' : 0710181432

MM DIM LOC1= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	195.447	-0.553	0.500	0.500	0.053
FL	0.000	0.007	0.007	0.400	0.000	0.000

MM DIM LOC2= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-195.447	0.553	0.500	0.500	0.053
FL	0.000	0.005	0.005	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	194.435	-0.565	0.500	0.500	0.065
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	-194.431	0.569	0.500	0.500	0.069
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	195.414	-0.586	0.500	0.500	0.086
FL	0.000	0.003	0.003	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	-195.318	0.682	0.500	0.500	0.182
FL	0.000	0.007	0.007	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	0.068	0.068	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	0.063	0.063	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	0.122	0.122	0.400	0.000	0.000

MM DIM LOC7= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00048	0.00017			

MM DIM LOC8= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00046	-0.00014			

MM DIM LOC9= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00049	0.00019			

MM DIM LOC10= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00046	-0.00013			

MM DIM LOC11= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00047	0.00017			

MM DIM LOC12= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	-0.00173	0.00010			

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	390.893	-1.107	1.000	1.000	0.107

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	1.011	0.011	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	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	390.936	-1.064	1.000	1.000	0.064

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	390.851	-1.149	1.000	1.000	0.149

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	390.847	-1.153	1.000	1.000	0.153

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	390.938	-1.062	1.000	1.000	0.062

MM DIM LOC13= LOCATION OF CIRCLE CIR BT ID1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	192.429	-0.571	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	78.242	0.142	0.050	0.000	0.092
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	-192.454	0.546	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	78.236	0.136	0.050	0.000	0.086
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	192.429	-0.571	10.000	10.000	0.000
Y	0.000	0.020	0.020	0.150	0.150	0.000
Z	0.000	-0.027	-0.027	0.150	0.150	0.000
D	120.000	119.940	-0.060	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	-192.454	0.546	10.000	10.000	0.000
Y	0.000	0.000	0.000	0.150	0.150	0.000
Z	0.000	-0.001	-0.001	0.150	0.150	0.000
D	120.000	119.933	-0.067	0.150	0.150	0.000
RN	0.000	0.099	0.099	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	0.042	0.041	0.100	0.100	0.000
Z	0.000	-0.021	-0.021	0.100	0.100	0.000
D	210.300	211.073	0.773	0.050	0.000	0.723
RN	0.000	0.281	0.281	0.050	0.000	0.231

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	0.084	0.084	0.100	0.100	0.000
Z	0.000	0.083	0.083	0.100	0.100	0.000
D	210.300	211.107	0.807	0.050	0.000	0.757
RN	0.000	0.288	0.288	0.050	0.000	0.238

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	0.053	0.053	0.100	0.100	0.000
Z	0.000	-0.001	-0.001	0.100	0.100	0.000
D	81.500	81.999	0.499	0.100	0.050	0.399
RN	0.000	0.104	0.104	0.150	0.000	0.000

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	0.086	0.086	0.100	0.100	0.000
Z	0.000	0.075	0.075	0.100	0.100	0.000
D	81.500	81.982	0.482	0.100	0.050	0.382
RN	0.000	0.186	0.186	0.150	0.000	0.036

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

AX	NOMINAL	MEAS	DEV
A	0.000	0.040	0.040

MM	DIM LOC21= LOCATION OF LINE LINC OFFSET1		
AX	NOMINAL	MEAS	DEV
V	0.00002	0.00000	1.00000

MM	DIM LOC22= LOCATION OF LINE LINC OFFSET2		
AX	NOMINAL	MEAS	DEV
V	0.00002	-0.00069	1.00000

MM	DIM LOC25= LOCATION OF CIRCLE CIR F1 SS ID						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.233	0.033	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-v2-IR TE1AES005 DWG= SN=
TOTAL # OF MEAS =67 # OUT OF TOL =27 # OF HOURS =00:38:59