DATE=10/18/2007 TIME=9:43:34 AM
PART NAME : PN457528-n-v1-IR TE1AES004
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 TE1AES004
' ' : 0710180857

MM DIM LOC1= LOCATION OF PLANE PLNC FLANGE1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	196.000	194.889	-1.111	0.500	0.500	0.611
FL	0.000	0.009	0.009	0.400	0.000	0.000

MM DIM LOC2= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-196.000	-194.889	1.111	0.500	0.500	0.611
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	193.925	-1.075	0.500	0.500	0.575
FL	0.000	0.009	0.009	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	-193.923	1.077	0.500	0.500	0.577
FL	0.000	0.005	0.005	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	194.971	-1.029	0.500	0.500	0.529
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	-194.947	1.053	0.500	0.500	0.553
FL	0.000	0.004	0.004	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	0.105	0.105	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	0.101	0.101	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	0.197	0.197	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	0.00074			

MM DIM LOC8= LOCATION OF PLANE PLNC FLANGE2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	0.00010	0.00075			

MM DIM LOC9= LOCATION OF PLANE PLNC SS F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00034	0.00075			

MM DIM LOC10= LOCATION OF PLANE PLNC SS F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	0.00010	0.00076			

MM DIM LOC11= LOCATION OF PLANE PLNC BT F1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	1.00000	-0.00010	0.00045			

MM DIM LOC12= LOCATION OF PLANE PLNC BT F2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
V	-1.00000	0.00037	0.00066			

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	389.779	-2.221	1.000	1.000	1.221

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	389.718	-2.282	1.000	1.000	1.282

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	389.697	-2.303	1.000	1.000	1.303

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	389.838	-2.162	1.000	1.000	1.162

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	389.859	-2.141	1.000	1.000	1.141

MM DIM LOC13= LOCATION OF CIRCLE CIR BT ID1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	191.846	-1.154	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	0.108	0.108	0.050	0.000	0.058

MM DIM LOC14= LOCATION OF CIRCLE CIR BT ID2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-193.000	-191.829	1.171	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	78.215	0.115	0.050	0.000	0.065
RN	0.000	0.075	0.075	0.050	0.000	0.025

MM DIM LOC15= LOCATION OF CIRCLE CIRC BC D1

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	193.000	191.846	-1.154	10.000	10.000	0.000
Y	0.000	-0.006	-0.006	0.150	0.150	0.000
Z	0.000	0.018	0.018	0.150	0.150	0.000
D	120.000	119.931	-0.069	0.150	0.150	0.000
RN	0.000	0.087	0.087	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	-191.829	1.171	10.000	10.000	0.000
Y	0.000	0.068	0.068	0.150	0.150	0.000
Z	0.000	0.000	0.000	0.150	0.150	0.000
D	120.000	119.953	-0.047	0.150	0.150	0.000
RN	0.000	0.060	0.060	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	-0.002	-0.002	0.100	0.100	0.000
Z	0.000	-0.069	-0.069	0.100	0.100	0.000
D	210.300	211.081	0.781	0.050	0.000	0.731
RN	0.000	0.178	0.178	0.050	0.000	0.128

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	0.003	0.003	0.100	0.100	0.000
Z	0.000	-0.014	-0.014	0.100	0.100	0.000
D	210.300	211.180	0.879	0.050	0.000	0.829
RN	0.000	0.202	0.202	0.050	0.000	0.152

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	-0.054	-0.054	0.100	0.100	0.000
Z	0.000	-0.056	-0.056	0.100	0.100	0.000
D	81.500	81.790	0.290	0.100	0.050	0.190
RN	0.000	0.090	0.090	0.150	0.000	0.000

MM DIM LOC20= LOCATION OF CIRCLE CIRC BTOD2

AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL
X	-57.000	-57.001	-0.001	1.000	1.000	0.000
Y	0.000	-0.003	-0.003	0.100	0.100	0.000
Z	0.000	-0.123	-0.123	0.100	0.100	0.023
D	81.500	81.926	0.426	0.100	0.050	0.326
RN	0.000	0.182	0.182	0.150	0.000	0.032

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

AX	NOMINAL	MEAS	DEV
A	0.000	0.473	0.473

MM	DIM LOC21= LOCATION OF LINE LINC OFFSET1		
AX	NOMINAL	MEAS	DEV
V	-0.00010	0.00000	1.00000

MM	DIM LOC22= LOCATION OF LINE LINC OFFSET2		
AX	NOMINAL	MEAS	DEV
V	-0.00010	-0.00825	0.99997

MM	DIM LOC25= LOCATION OF CIRCLE CIR F1 SS ID						
AX	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	
D	109.200	109.245	0.045	0.200	0.000	0.000	
RN	0.000	0.014	0.014	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	109.241	0.041	0.200	0.000	0.000	
RN	0.000	0.031	0.031	0.200	0.000	0.000	

END OF MEASUREMENT FOR
PN=PN457528-n-v1-IR TE1AES004 DWG= SN=
TOTAL # OF MEAS =67 # OUT OF TOL =30 # OF HOURS =00:43:11