

ASAT Electrical Measurement

ELECTRICAL DATA														
SIZE	LEADS	L/F	PADDLE (* Ball Pitch)	DIE SIZE	Power	Corner C11	Corner C12	Center C11	Center C12	Corner L11	Corner L12	Center L11	Center L12	TRMS NO.
EDQUAD PLCC														
9.0MMX3.9	20	CU	180X180	-	-	0.39	0.11	0.39	0.11	4.65	2.04	5.01	2.21	TRMS-ETU00-9806
11.5MMX3.9	28	CU	320X320	200X200	1.0W	0.50	0.12	0.50	0.11	2.32	0.49	2.04	0.42	TRMS-ETU00-9801
16.6MMX3.9	44	CU	300X300	250X250	1.0W	0.72	0.23	0.75	0.24	2.62	0.77	2.69	0.74	TRMS-ETU00-9802
24.2MMX3.8	68	CU	325X325	250X250	2.0W	1.51	0.43	1.33	0.43	6.3	2.14	6.26	2.35	TRMS-ETU00-9803
29.9MMX3.8	84	CU	425X425	400X400	1.5W	2.05	0.43	1.79	0.40	6.13	1.72	5.41	1.25	TRMS-ETU00-9804
EDQUAD QFP														
10X10X2.0	52	CU	210X210	200X200	1.5W	0.27	0.06	0.24	0.06	4.38	2.96	3.71	2.46	TRMS-ETU00-9809
14X14X2.0	44	CU	300X300	150X150	1.5W	0.93	0.19	0.79	0.14	5.30	2.64	4.52	2.23	TRMS-ETU00-9810
14X14X2.7	52	CU	260X260	-	-	-	-	-	-	5.65	2.89	5.18	2.41	TRMS-ETU00-9813
14X20X2.0	100	CU	270X270	-	-	1.46	0.49	1.33	0.30	6.40	4.16	5.89	3.42	TRMS-ETU00-9811
	100	CU	360X360	200X200	1.5W	1.21	0.41	1.07	0.19	6.33	3.45	5.51	2.65	TRMS-ETU00-9812
14X20X2.7	100	CU	320X320	-	-	1.23	0.33	1.21	0.32	6.58	3.35	6.07	3.21	TRMS-ETU00-9814
	100	CU	400X400	250X250	1.5W	1.17	0.39	0.95	0.18	7.29	4.17	6.51	3.20	TRMS-ETU00-9815
28X28X3.5	120	CU	630X630	-	-	1.82	0.54	1.38	0.36	-	-	-	-	TRMS-ETU00-9816
	160	CU	630X630	-	-	1.83	0.55	1.33	0.38	-	-	-	-	TRMS-ETU00-9817
	208	CU	620X620	400X400	1.5W	1.49	0.57	1.04	0.39	13.19	8.87	10.81	7.21	TRMS-ETU00-9819
	208	CU	620X620	400X400	-	1.59	0.55	1.25	0.37	10.83	5.59	8.99	4.51	TRMS-ETU00-9818
32X32X3.5	240	CU	580X760	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETU00-9821
	240	CU	630X630	400X400	1.5W	1.74	0.62	1.21	0.47	13.25	7.63	9.13	5.68	TRMS-ETU00-9820
40X40X3.8	304	CU	630X630	-	-	2.32	0.87	1.75	0.59	14.25	8.62	11.83	6.91	TRMS-ETU00-9822
EDQUAD SOIC														
3.9X4.9X1.4	8	CU	-	-	-	0.38	0.04	0.28	0.03	3.34	0.98	2.66	0.85	TRMS-ETU00-9805
3.9X9.9X1.4	16	CU	90X180	50X50	1.5W	-	-	-	-	-	-	-	-	TRMS-ETU00-9807
	16	CU	90X180	50X50	1.0W	-	-	-	-	-	-	-	-	TRMS-ETU00-9808
EDQUAD SSOP														
3.9X4.9X1.4	16	CU	90X130	50X50	0.75W	-	-	-	-	-	-	-	-	TRMS-ETU00-9902
5.3X10.3X1.8	28	CU	90X180	50X50	1.0W	-	-	-	-	-	-	-	-	TRMS-ETU00-9823
EDQUAD TQFP														
7X7X1.4	16	CU	200X200	50X50	1.25W	-	-	-	-	-	-	-	-	TRMS-ETU00-9824
	32	CU	200X200	50X50	0.75W	-	-	-	-	-	-	-	-	TRMS-ETU00-9901
	32	CU	180X180	50X50	1.0W	-	-	-	-	-	-	-	-	TRMS-ETU00-9903
	32	CU	200X200	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETU00-9825
	48	CU	200X200	150X150	1.0W	0.15	0.06	0.05	0.04	2.83	1.55	2.39	1.22	TRMS-ETU00-9826
10X10X1.4	64	CU	300X300	-	-	0.20	0.06	0.18	0.05	2.37	0.94	2.31	0.89	TRMS-ETU00-9827
14X14X1.4	52	CU	270X270	200X200	1.0W	0.82	0.19	0.74	0.10	4.81	2.12	4.07	1.58	TRMS-ETU00-9828
	52	CU	270X270	200X200	1.0W	-	-	-	-	-	-	-	-	TRMS-OTH28-9830
	52	CU	270X270	200X200	1.0W	-	-	-	-	-	-	-	-	TRMS-OTH28-9830
	120	CU	320X320	250X250	1.5W	0.61	0.23	0.53	0.15	4.14	2.99	3.79	1.93	TRMS-ETU00-9829
	120	CU	370X370	-	-	0.70	0.20	0.60	0.10	3.40	1.20	3.00	0.80	TRMS-ETU00-9832
20X20X1.4	144	CU	310X310	300X300	1.5W	0.96	0.32	0.59	0.17	4.93	1.92	4.30	1.46	TRMS-ETU00-9830
24X24X1.4	176	CU	620X620	300X300	1.5W	1.64	0.62	1.01	0.35	5.56	2.19	4.84	1.65	TRMS-ETU00-9831
fnBGA														
5x5x1.4	24		0.8MM*	80x80	0.5W	-	-	-	-	-	-	-	-	TRMS-OTH28-9813
6X6X1.4	36		0.8MM*	100X100	0.75W	0.30 (S)	<0.10 (S)	0.10 (S)	<0.05 (S)	2.20 (S)	0.50 (S)	1.10 (S)	0.20 (S)	TRMS-ETA00-9801
8X8X1.4	64		0.8MM*	-	-	0.30 (S)	<0.10 (S)	0.10 (S)	<0.05 (S)	3.40 (S)	0.70 (S)	0.90 (S)	0.10 (S)	-
9X9X1.4	64		1.0MM*	200X200	0.75W	-	-	-	-	-	-	-	-	TRMS-ETA00-9802
	64		1.0MM*	200X200	0.75W	-	-	-	-	-	-	-	-	TRMS-ETA00-9803
10X10X1.4	100		0.8MM*	200X200	1.0W	0.40 (S)	<0.10 (S)	0.15 (S)	<0.05 (S)	4.50 (S)	0.90 (S)	1.00 (S)	0.10 (S)	TRMS-ETA00-9804
	144		0.8MM*	200X200	1.0W	-	-	-	-	-	-	-	-	TRMS-ETA00-9805
13X13X1.4	144		1.0MM*	300X300	0.5W	0.50 (S)	<0.10 (S)	0.15 (S)	<0.05 (S)	4.60 (S)	1.00 (S)	1.20 (S)	0.20 (S)	TRMS-ETA00-9806
PBGA														
14X20X2.06	119		1.27MM*	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETA00-9807
27X27X2.32	225		1.27MM*	400X400	2.0W	1.40	<0.50	0.80	<0.30	10.90	0.40	6.50	1.00	TRMS-ETA00-9811
	256		1.27MM*	400X400	2.0W	1.00	<0.50	0.90	<0.30	9.00	3.00	3.50	1.20	TRMS-ETA00-9808
	256		1.27MM*	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETA00-9813
	272		1.27MM*	400X400	2.0W	1.20	0.50	0.60	<0.30	6.80	2.70	2.40	0.90	TRMS-ETA00-9809
35X35X2.32	313		1.27MM*	525X525	2.0W	1.80	<0.50	1.00	<0.30	13.80	3.50	8.00	1.70	TRMS-ETA00-9812
	352		1.27MM*	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETA00-9810
TBGA														
21X21X1.6	156		1.27MM*	-	-	0.76 (S)	<0.30 (S)	0.40 (S)	<0.10 (S)	4.00 (S)	1.10 (S)	2.20 (S)	0.60 (S)	-
23X23X1.6	208		1.27MM*	205x205	2.0W	0.90 (S)	<0.30 (S)	0.40 (S)	<0.10 (S)	6.20 (S)	1.20 (S)	1.60 (S)	0.50 (S)	TRMS-ETH00-9804
25X25X1.6	320		1.27MM*	350x350	3.0W	-	-	-	-	-	-	-	-	TRMS-OTH28-9833
27X27X1.6	256		1.27MM*	400X400	3.0W	1.10	<0.30	0.30	<0.10	6.30	1.10	1.40	0.50	TRMS-ETH00-9801
31X31X1.6	304		1.27MM*	400X400	3.0W	1.20 (S)	<0.30 (S)	0.30 (S)	<0.10 (S)	7.00 (S)	1.50 (S)	2.60 (S)	0.90 (S)	TRMS-ETH00-9802
35X35X1.6	352		1.27MM*	400X400	3.0W	1.30	<0.30	1.10	<0.10	10.00	2.10	3.50	0.90	TRMS-ETH00-9803
35X35X1.6	352		1.27MM*	400X400	3.0W	-	-	-	-	-	-	-	-	TRMS-ETH00-9901
35X35X1.6	420		1.27MM*	400X400	3.0W	1.00 (S)	<0.30 (S)	0.60 (S)	<0.10 (S)	7.30 (S)	1.50 (S)	2.00 (S)	0.60 (S)	TRMS-ETH00-9805
37.5x37.5x1.6	480		1.27MM*	400X400	3.0W	1.20 (S)	<0.30 (S)	0.70 (S)	<0.10 (S)	9.00 (S)	1.80 (S)	3.00 (S)	0.80 (S)	TRMS-ETH00-9806
40X40X1.6	432		1.27MM*	400X400	3.0W	-	-	-	-	-	-	-	-	TRMS-ETH00-9807
	600		1.27MM*	-	-	1.30 (S)	<0.30 (S)	0.80 (S)	<0.20 (S)	10.20 (S)	3.90 (S)	2.30 (S)	0.90 (S)	-
PLCC														
9.0MMX3.9	20	CU	180X180	150X150	-	0.48	0.14	0.48	0.14	4.42	2.23	4.35	1.91	TRMS-ETL00-9801

ASAT Electrical Measurement

SIZE	LEADS	L/F	PADDLE (* Ball Pitch)	DIE SIZE	Power	ELECTRICAL DATA								TRMS NO.	
						Corner C11	Corner C12	Center C11	Center C12	Corner L11	Corner L12	Center L11	Center L12		
11.5MMX3.9	28	CU	200X200	150X150	1.0W	-	-	-	-	-	-	-	-	-	TRMS-ETL00-9802
	28	CU	265X265	200X200	1.0W	-	-	-	-	-	-	-	-	-	TRMS-ETL00-9803
11.5X14.0X2.7	32	CU	280X280	250X250	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9804	
16.6MMX3.9	44	CU	230X230	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9805	
	44	CU	300X300	250X250	-	-	-	-	-	-	-	-	-	TRMS-ETL00-9806	
19.2MMX3.9	52	CU	-	-	-	1.14	0.39	1.00	0.28	9.53	6.63	7.83	5.36	TRMS-ETL00-9809	
24.2MMX3.8	68	CU	325X325	300X300	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9807	
	68	CU	325X325	250X250	1.0W	1.38	0.55	1.28	0.50	9.28	4.99	8.12	4.77	TRMS-ETL00-9808	
29.3MMX3.8	84	CU	425X425	300X300	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9810	
	84	CU	360X360	250X250	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9811	
	84	CU	425X425	400X400	1.0W	-	-	-	-	-	-	-	-	TRMS-ETL00-9812	

SOIC														
3.9X4.9X1.4	8	CU	90X130	50X50	0.5W	0.38	0.04	0.28	0.03	3.34	0.98	2.66	0.85	TRMS-ETS00-9801
7.5X9.0X2.3	14	CU	150X150	75X75	0.75W	-	-	-	-	-	-	-	-	TRMS-ETS00-9802
7.5X10.3X2.3	16	CU	140X170	75X75	0.75W	-	-	-	-	-	-	-	-	TRMS-ETS00-9803
	18	CU	170X210	75X75	0.75W	-	-	-	-	-	-	-	-	TRMS-ETS00-9804
7.5X12.8X2.3	20	CU	110X140	75X75	0.75W	0.97	0.32	0.46	0.13	-	-	-	-	TRMS-ETS00-9805
7.5X15.4X2.3	24	CU	180X220	75X75	0.75W	-	-	-	-	-	-	-	-	TRMS-ETS00-9806
7.5X17.9X2.3	28	CU	170X300	75X75	1.0W	0.58	0.12	0.46	0.10	3.76	1.38	2.32	0.98	TRMS-ETS00-9807

TQFP														
5X5X1.4	32L	CU	150X150	100X100	0.5W	-	-	-	-	-	-	-	-	TRMS-OTH28-9832
5X5X1.4	32L	CU	150X150	50x50	0.75W	-	-	-	-	-	-	-	-	TRMS-ETF00-9816
7X7X1.0	48	CU	200X200	-	-	0.24	0.06	0.20	0.06	3.26	1.26	2.89	1.10	TRMS-ETF00-9801
7X7X1.4	32	CU	180X180	50x50	0.75W	-	-	-	-	-	-	-	-	TRMS-ETF00-9901
	48	CU	180X180	75X75	0.75W	-	-	-	-	-	-	-	-	TRMS-ETF00-9802
10X10X1.4	48	CU	200X200	150X150	0.75W	0.23	0.06	0.18	0.06	2.9	1.6	1.99	0.88	TRMS-ETF00-9803
	44	CU	200X200	-	-	0.34	0.18	0.28	0.07	5.17	2.87	4.048	2.36	TRMS-ETF00-9804
	44	CU	252X252	221X198	1.0W	-	-	-	-	-	-	-	-	TRMS-ETF00-9902
	64	CU	280X280	250X250	1.0W	0.44	0.16	0.35	0.12	5.56	3.21	3.89	2.02	TRMS-ETF00-9805
14X14X1.0	120	CU	320X320	200X200	1.0W	-	-	-	-	-	-	-	-	TRMS-ETF00-9806
14X14X1.4	64	CU	220X220	100X100	0.75W	-	-	-	-	-	-	-	-	TRMS-ETF00-9807
	100	CU	360X360	200X200	1.0W	0.57	0.26	0.47	0.19	4.87	2.94	4.27	2.45	TRMS-ETF00-9808
	120	CU	320X320	250X250	1.0W	0.65	0.23	0.54	0.17	4.82	3.70	4.77	2.74	TRMS-ETF00-9809
14X20X1.4	128	CU	320X320	250X250	-	0.49	0.18	0.42	0.13	5.06	2.69	4.68	2.71	TRMS-ETF00-9810
	100	CU	315X315	250X250	-	0.87	0.36	0.75	0.29	7.56	4.10	6.68	3.66	TRMS-ETF00-9811
	128	CU	315X315	300X300	1.0W	-	-	-	-	-	-	-	-	TRMS-ETF00-9812
	128	CU	380X380	250X250	1.0W	0.72	0.34	0.68	0.27	7.02	3.88	5.87	3.17	TRMS-ETF00-9813
20X20X1.4	144	CU	310X310	250X250	1.0W	1.09	0.42	0.80	0.25	7.85	4.38	6.74	3.76	TRMS-ETF00-9814
24X24X1.4	176	CU	270X270	200X200	1.0W	-	-	-	-	-	-	-	-	TRMS-ETF00-9815

SSOP														
4.3X3.9X1.4	16	CU	90X130	50X50	1.3W	-	-	-	-	-	-	-	-	TRMS-ETX00-9801
	16	CU	90X130	50X50	1.0W	-	-	-	-	-	-	-	-	TRMS-ETX00-9802
3.9X9.9X1.4	28	CU	90X180	50X50	1.0W	-	-	-	-	-	-	-	-	TRMS-ETX00-9901

TSOP														
6X14.4X1.0	24	A42	180X400	150X375	0.5W	-	-	-	-	-	-	-	-	TRMS-ETP00-9801
8X18.4X1.0	32	A42	240X240	225X375	0.75W	-	-	-	-	-	-	-	-	TRMS-ETP00-9802

PQFP														
10X10X2.0	44	A42	252X252	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9801
	44	CU	200X200	-	-	0.35	0.12	0.39	0.09	5.75	2.92	5.09	2.46	TRMS-ETQ00-9802
	52	A42	280X280	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9803
	52	CU	210X210	200X200	1.0W	0.50	0.20	0.37	0.15	6.19	3.40	5.67	3.14	TRMS-ETQ00-9804
14X14X2.0	44	A42	300X300	225X225	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9806
	44	CU	300X300	150X150	1.5W	0.61	0.15	0.48	0.12	4.94	2.62	4.26	2.28	TRMS-ETQ00-9807
	52	A42	300X300	225X225	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9808
	52	CU	260X260	-	-	0.46	0.14	0.41	0.10	-	-	-	-	TRMS-ETQ00-9809
	64	A42	300X300	225X225	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9810
	64	CU	210X210	100X100	2.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9805
	64	CU	210X210	100X100	1.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9901
	64	CU	210X210	100X100	1.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9902
	80	A42	320X320	300X300	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9811
	80	CU	320X320	200X200	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9812
14X20X2.0	100	A42	360X360	300X300	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9813
	100	CU	320X320	200X200	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9814
	64	A42	320X320	225X225	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9815
	64	CU	320X320	250X250	2.0W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9816
14X20X2.7	100	A42	360X360	300X300	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9817
	100	CU	260X260	200X200	1.5W	0.85	0.35	0.77	0.28	7.04	3.97	6.11	2.58	TRMS-ETQ00-9818
28X28X3.5	100	A42	400X400	300X300	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9819
	100	CU	400X400	250X250	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9820
28X28X3.5	120	A42	400X400	375X375	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9821
	120	CU	370X370	250X250	1.5W	1.87	0.56	1.54	0.41	13.52	7.88	12.05	7.58	TRMS-ETQ00-9822
	128	A42	370X370	300X300	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9823
	128	CU	370X370	-	-	1.75	0.67	1.45	0.50	14.43	8.20	12.13	8.02	TRMS-ETQ00-9824
	144	A42	400X400	375X375	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9825
	144	CU	400X400	250X250	1.5W	1.85	0.59	1.41	0.36	14.26	9.42	12.00	7.65	TRMS-ETQ00-9826
	160	A42	430X430	375X375	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9827
	160	CU	430X430	375X375	1.5W	1.17	0.47	0.78	0.28	14.25	9.16	11.11	7.10	TRMS-ETQ00-9828

ASAT Electrical Measurement

ELECTRICAL DATA														
SIZE	LEADS	L/F	PADDLE (* Ball Pitch)	DIE SIZE	Power	Corner C11	Corner C12	Center C11	Center C12	Corner L11	Corner L12	Center L11	Center L12	TRMS NO.
32X32X3.5	208	A42	620X620	375X375	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9829
	208	CU	520X520	400X400	1.5W	1.65	0.75	1.20	0.50	14.37	9.83	11.52	7.11	TRMS-ETQ00-9830
	208	CU	620X620	400X400	1.5W	-	-	-	-	-	-	-	-	TRMS-ETQ00-9831
32X32X3.5	240	CU	620X620	375X375	1.5W	1.55	0.61	1.11	0.44	14.01	9.39	11.06	7.04	TRMS-ETQ00-9833
40X40X3.5	304	CU	620X620	-	-	2.42	0.96	1.82	0.66	19.39	13.60	16.56	11.24	TRMS-ETQ00-9832

IR-QFP														
32X32X3.5	240	CU	710X680	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETR00-9801

PLCC INT TEP														
29.3MMX3.8	84	CU	-	300X300	1.0W	-	-	-	-	-	-	-	-	TRMS-ETI00-9801

QFP INT TEP														
10X10X2.0	64	CU	210X210	100X100	2.0W	-	-	-	-	-	-	-	-	TRMS-ETI00-9802
14X14X2.0	64	CU	210X210	100X100	2.3W	-	-	-	-	-	-	-	-	TRMS-ETI00-9803
28X28X3.5	208	CU	430X430	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETI00-9804
32X32X3.5	240	CU	590X730	400X400	2.0W	-	-	-	-	-	-	-	-	TRMS-ETI00-9805

QFP HEAT SLUG														
14X20X2.7	80	CU	-	185X200	1.5W	-	-	-	-	-	-	-	-	TRMS-ETK00-9901
14X20X2.7	100	CU	-	250X250	2.0W	-	-	-	-	-	-	-	-	TRMS-ETK00-9801
	100	CU	358X358	250X250	1.5W	-	-	-	-	-	-	-	-	TRMS-ETK00-9802

LPCC														
9X9X1.2	32	CU	260X260	150X150	1.0W	-	-	-	-	-	-	-	-	TRMS-ETJ00-9901

NOTES:														
IR = Interposer Ring			C11 = Total Capacitance (pF)			PCB conductivity info and remarks located on the Thermal report.								
SM = Solder Mask			C12 = Mutual Capacitance (pF)											
(S) = Simulation Data														
POD = Pad-On-Board			New Data											