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For Saronix packaging, please refer to the datasheet.



PLASTIC IC PACKAGING - Reference

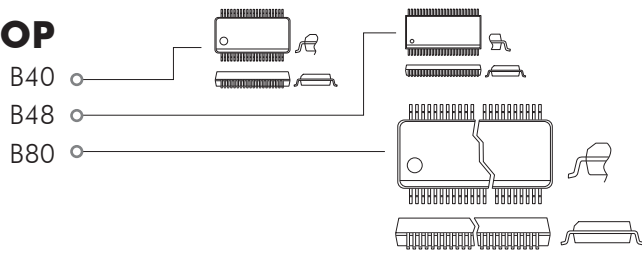
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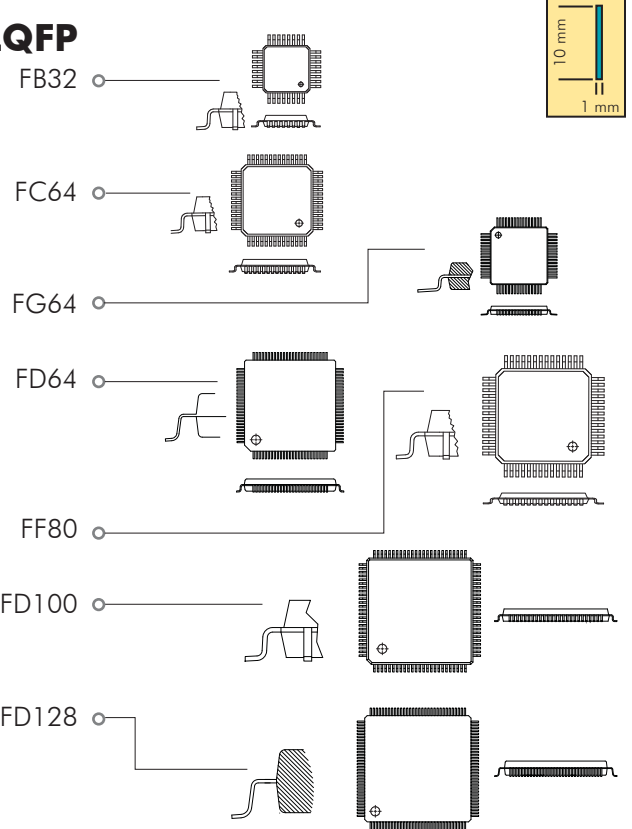
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All packages shown are actual size

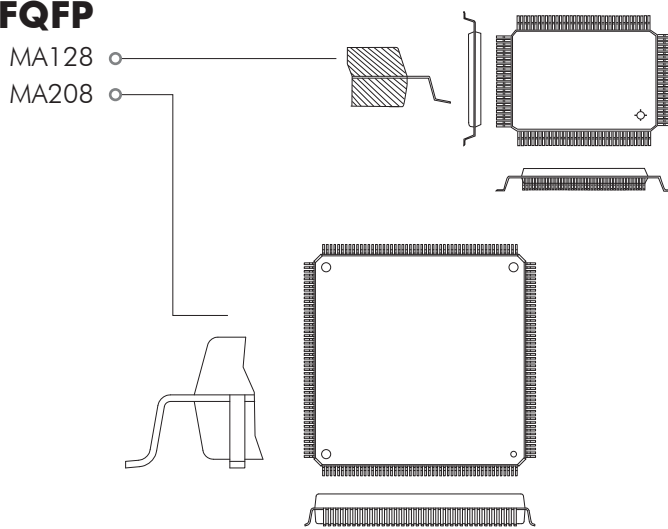
BQSOP



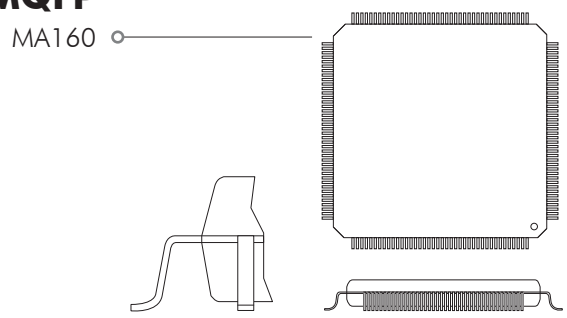
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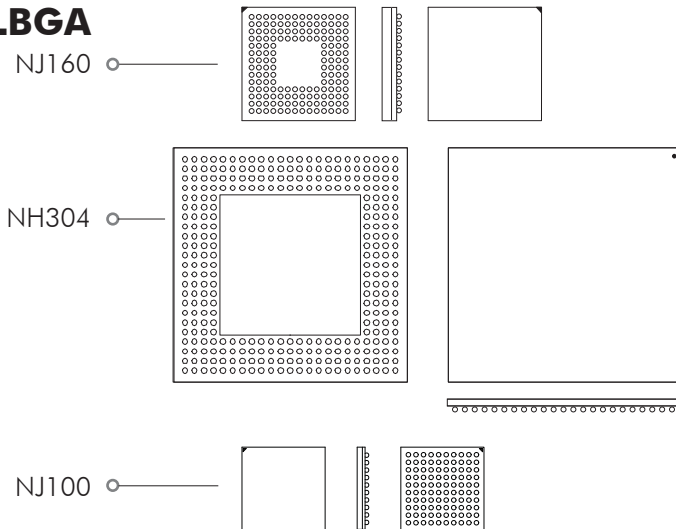
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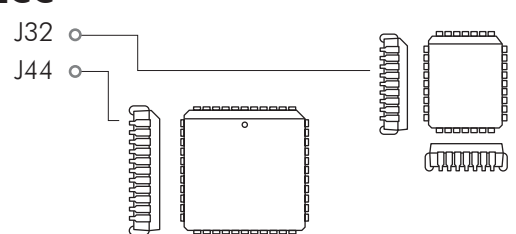
MQFP



LBGA



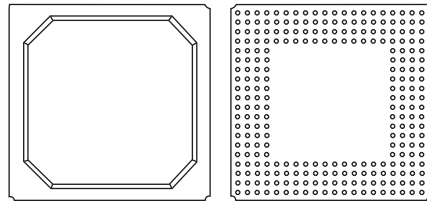
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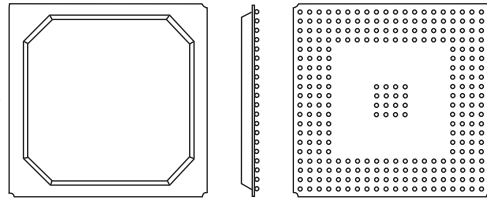
All packages shown are actual size

PBGA

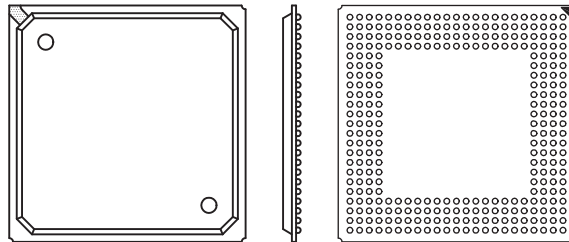
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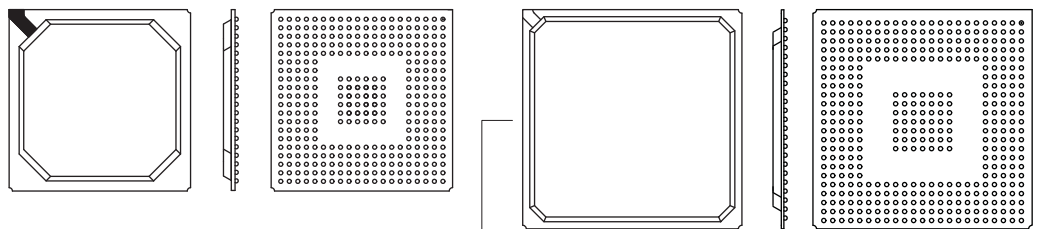
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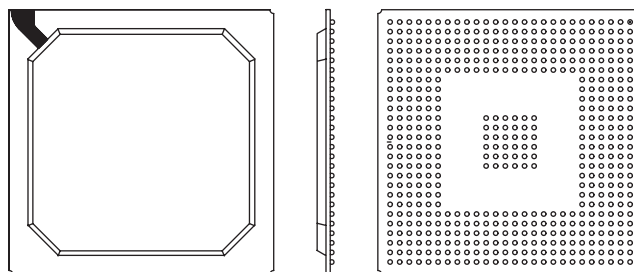
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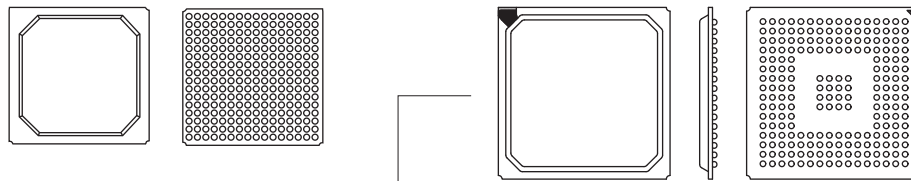


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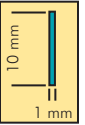


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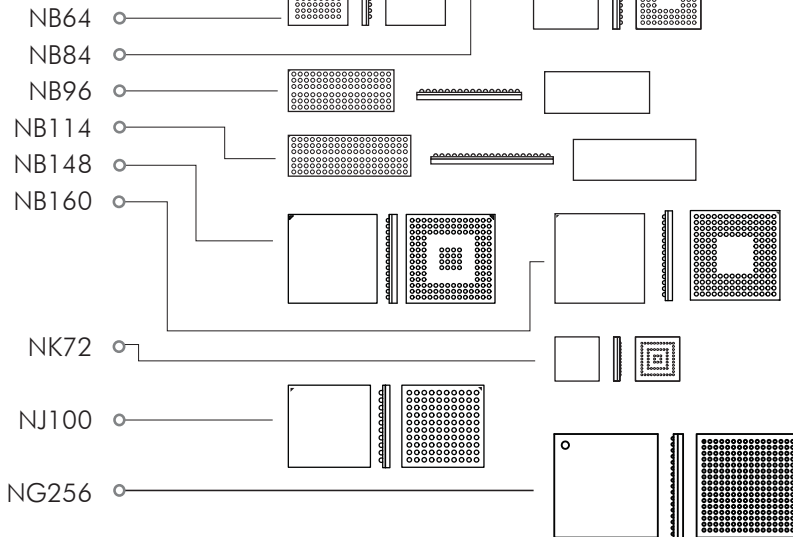


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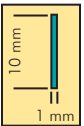
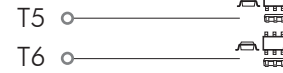


All packages shown are actual size

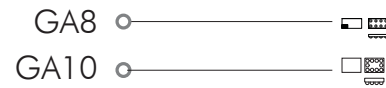
LFBGA



SOT23



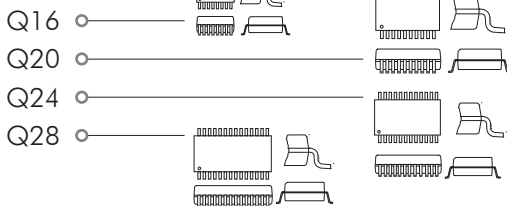
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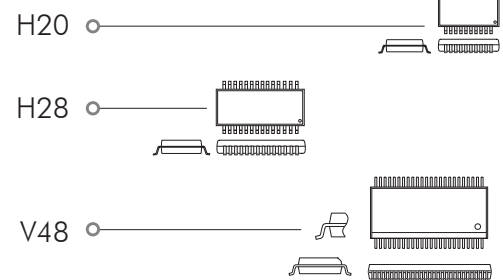
MSOP



QSOP



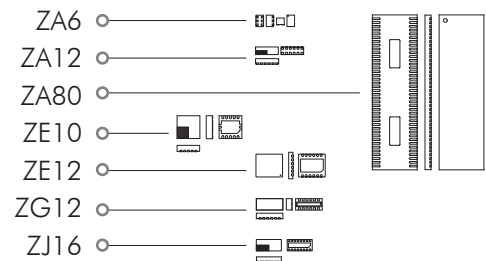
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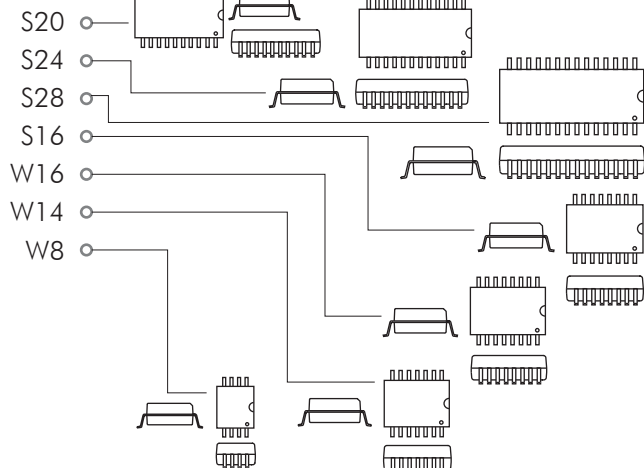
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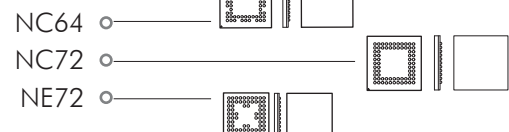
TDFN



SOIC

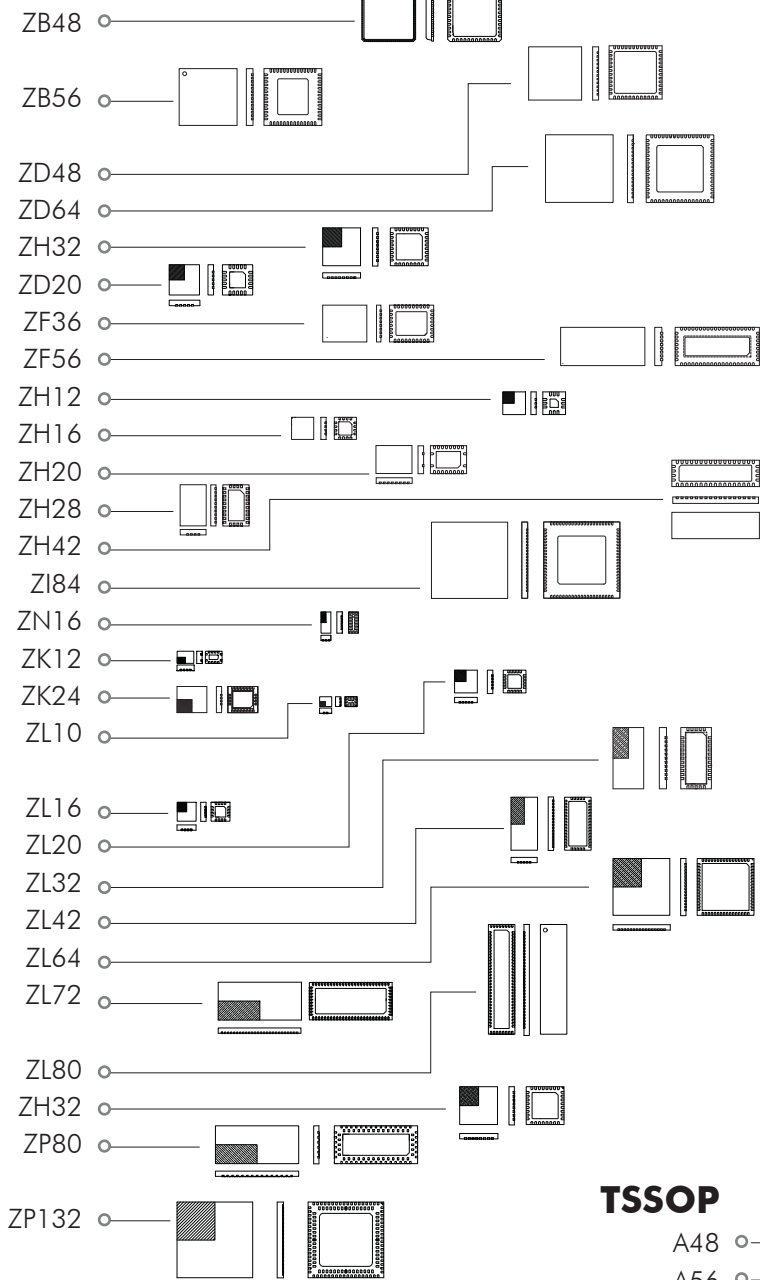


TFBGA



All packages shown are actual size

TQFN



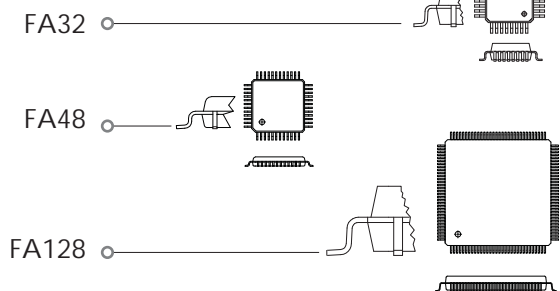
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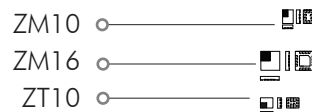
TLLGA



TQFP



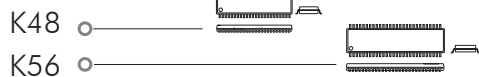
UQFN



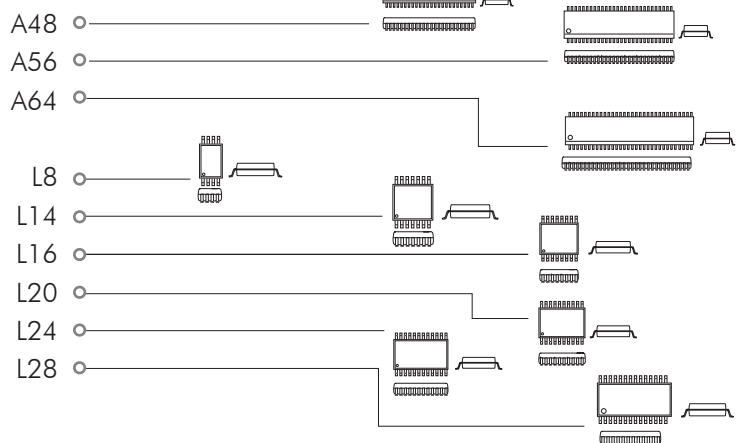
VFBGA



TVSOP



TSSOP



Packaging Specifications & Thermal Data*

Pericom IC Plastic Package Mechanicals and *Thermal Characteristics (for SaRonix-eCera, see datasheet)														
Pericom Code	Package Type	Pin Count	JEDEC PUB 95	Pin Pitch		Length		Width		Height		Theta JA (still air) °C/Watt	Theta JC (°C/Watt)	POD Number
				MILS	MM	MILS	MM	MILS	MM	MILS	MM			
A	TSSOP	48	MO-153F/ED	20	0.5	492	12.5	240	6.1	47	1.2	104	38	PD-1501
A	TSSOP	56	MO-153F/EE	20	0.5	551	14	240	6.1	47	1.2	82	18	PD-1502
A	TSSOP	64	MO-153F/EF	20	0.5	669	17	240	6.1	47	1.2	95	20	PD-1503
B	BQSOP	40	MO-154C/BB	20	0.5	390	9.9	150	3.9	79	2.0	83	20	PD-1209
B	BQSOP	48	MO-154C/AB	16	0.4	390	9.9	150	3.9	79	2.0	82	20	PD-1210
B	BQSOP	80	MO-154C/BC	20	0.5	807	20.5	150	3.9	79	2.0	54	10	PD-1211
C	SC70	5	MO-203B/AA	26	0.65	80	2.0	49	1.25	43	1.1	331	224	PD-1901
C	SC70	6	MO-203B/AB	26	0.65	80	2.0	49	1.25	43	1.1	340	229	PD-1902
FA	TQFP	32	MS-026D/ABA	31.5	0.8	276	7.0	276	7.0	47	1.2	86	12.7	PD-1814
FA	TQFP	48	MO-026D/ABC	20	0.5	276	7.0	276	7.0	47	1.2	56.6	12.8	PD-2056
FA	TQFP	128	MO-229C (Ref)	16	0.4	551	14	551	14	47	1.2	39.6	8.2	PD-2069
FB	LQFP	32	MS-026D/BBA	31.5	0.8	276	7.0	276	7.0	63	1.6	60	14.5	PD-1802
FC	LQFP	64	MS-026D/BCD	20	0.5	394	10	394	10	63	1.6	46.3	7.2	PD-1804
FD	LQFP	64	MS-026D/BEB	31.5	0.8	551	14	551	14	63	1.6	39.6	8.6	PD-1805
FD	LQFP	100	MS-026/BED	20	0.5	551	14	551	14	63	1.6	35.93	8.72	PD-2065
FD	LQFP	128	MS-026	16	0.4	551	14	551	14	63	1.6	41.8	12	PD-2072
FF	LQFP	80	MS-026/BDD	20	0.5	472	12	472	12	63	1.6	38.8	12.8	PD-2064
FG	LQFP	64	MS-026/MS-022	20	0.5	394	10	394	10	63	1.6	46.3	7.2	PD-2079
GA	CSP	8	N/A	20	0.5	37.4	0.95	76.4	1.94	22	0.55	-	-	PD-2088
GA	CSP	10	N/A	20	0.5	81.5	2.07	61	1.55	28.7	0.73	-	-	PD-2048
H	SSOP	20	MO-150B/AE	26	0.65	284	7.2	209	5.3	79	2.0	81.1	32.2	PD-1240
H	SSOP	28	MO-150B/AH	26	0.65	402	10.2	209	5.3	79	2	67.1	23.9	PD-1250
J	PLCC	44	MO-047B/AC	50	1.27	690	17.5	690	17.5	180	4.57	41	19	PD-1602
J	PLCC	32	MS-016A/AE	50	1.27	551	14	453	11.5	140	3.55	52	23	PD-1604
K	TVSOP	48	MO-153/AE	16	0.4	382	9.7	173	4.4	47	1.2	107	48	PD-1324
K	TVSOP	56	MO-194B/AF	16	0.4	445	11.3	173	4.4	47	1.2	85	18	PD-1325
L	TSSOP	8	MO-153F/AA	26	0.65	118	3.0	173	4.4	47	1.2	124	37	PD-1308
L	TSSOP	14	MO-153F/AB-1	26	0.65	197	5.0	173	4.4	47	1.2	100	32	PD-1309
L	TSSOP	16	MO-153F/AB	26	0.65	197	5.0	173	4.4	47	1.2	90	24	PD-1310
L	TSSOP	20	MO-153F/AC	26	0.65	256	6.5	173	4.4	47	1.2	84	17	PD-1311
L	TSSOP	24	MO-153F/AD	26	0.65	307	7.8	173	4.4	47	1.2	84	13	PD-1312
L	TSSOP	28	MO-153F/AE	26	0.65	382	9.7	173	4.4	47	1.2	76	31	PD-1313
MA	FQFP	208	MS-029A	20	0.5	1102	28	1102	28	161	4.1	39	16	PD-2012
MA	FQFP	128	MS-029A/KA	20	0.5	787	20	551	14	124	3.4	44.13	22.32	PD-2029
MA	MQFP	160	MS-022B/DD-1	26	0.65	1102	28	1102	28	161	4.1	39.7	19.2	PD-2019
NA	PBGA	256	MS-034B/BAL	50	1.27	1063	27	1063	27	138	3.5	26.2	17.1	PD-2001
NA	PBGA	272	MS-034B/BAL	50	1.27	1063	27	1063	27	138	3.5	27.6	12.1	PD-2006
NA	PBGA	304	MS-034B/BAN	50	1.27	1220	31	1220	31	100	2.53	29.3	10.6	PD-2018
NA	PBGA	336	MS-304 (Ref.)	50	1.27	1063	27	1063	27	92	2.33	18.2	6.5	PD-2057
NA	PBGA	409	MS-304 (Ref.)	50	1.27	1220	31	1220	31	92	2.33	14.1	5.9	PD-2058
NA	PBGA	516	MS-034 (Ref.)	50	1.27	1378	35	1378	35	93	2.36	-	-	PD-2063

*Thermal data is package specific, not device specific. Data presented here was extracted from a certain pad size.

Packaging Specifications & Thermal Data* (cont'd)

Pericom IC Plastic Package Mechanicals and *Thermal Characteristics (for SaRonix-eCera, see datasheet)														
Pericom Code	Package Type	Pin Count	JEDEC PUB 95	Pin Pitch		Length		Width		Height		Theta JA (still air) °C/Watt	Theta JC (°C/Watt)	POD Number
				MILS	MM	MILS	MM	MILS	MM	MILS	MM			
NB	LFBGA	114	MO-205F/DC	31.5	0.8	630	16	217	5.5	57	1.45	60.4	14.1	PD-2002
NB	LFBGA	64	MO-205F/AA	31.5	0.8	315	8	315	8	59	1.5	51.5	21.1	PD-2003
NB	LFBGA	96	MO-205F/CC	31.5	0.8	531	13.5	217	5.5	58	1.48	49.2	17.6	PD-2004
NB	LFBGA	160	MO-205F/AE	31.5	0.8	472	12	472	12	63	1.6	37.63	12.84	PD-2031
NB	LFBGA	84	MO-205F (Ref.)	31.5	0.8	354	9.0	354	9.0	57	1.46	46.95	21.52	PD-2038
NB	LFBGA	148	MO-205 (Ref.)	31.5	0.8	472	12	472	12	62	1.58	-	-	PD-2071
NC	TFBGA	64	MO-195C	20	0.5	276	7.0	276	7.0	47	1.2	86.8	24.6	PD-2005
NC	TFBGA	72	MO-195C	20	0.5	276	7.0	276	7.0	47	1.2	90.7	26.6	PD-2013
ND	PBGA	256	MS-034B/AAF-1	39.4	1.0	669	17	669	17	69.3	1.76	24.2	7.2	PD-2016
ND	PBGA	208	MS-034B/(Ref.)	50	1.27	906	23	906	23	97	2.47	18.63	7.38	PD-2046
NE	TFBGA	72	MO-195C	20	0.5	236	6.0	236	6.0	47	1.2	85.5	29.1	PD-2015
NF	VFBGA	52	MO-225B/BA	26	0.65	276	7	177	4.5	39.4	1.0	68.3	28	PD-2017
NG	LFBGA	525	MO-205	31.5	0.8	748	19	748	19.00	62	1.58	-	-	PD-2086
NG	LFBGA	256	MO-205	31.5	0.8	551	14	551	14.00	62	1.58	-	-	PD-2087
NH	LBGA	304	MO-192F/BAN	50	1.27	1220	31	1220	31	76	1.73	12.9	0.8	PD-2026
NJ	LBGA	160	MO-192F/DAE	39.4	1.0	591	15	591	15	55	1.4	37.32	13.97	PD-2030
NJ	LBGA	100	MO-192 (Ref.)	39.4	1.0	433	11	433	11	77	1.96	39.6	24.65	PD-2055
NK	LFBGA	72	MO-205F (Ref.)	20	0.5	276	7.0	276	7.0	55	1.4	50.11	22.6	PD-2040
NL	VFBGA	45	MO-225B (Ref.)	20	0.5	236	6.0	118	3.0	39.4	1.0	49.67	24.29	PD-2041
Q	QSOP	16	MO-137B/AB	25	0.635	190	4.8	150	3.9	69	1.75	116	34	PD-1201
Q	QSOP	20	MO-137B/AD	25	0.635	340	8.6	150	3.9	69	1.75	113	36	PD-1202
Q	QSOP	24	MO-137B/AE	25	0.635	340	8.6	150	3.9	69	1.75	98	24	PD-1203
Q	QSOP	28	MO-137B/AF	25	0.635	390	9.9	150	3.9	69	1.75	90	22	PD-1204
S	SOIC	16	MS-013D/AA	50	1.27	406	10.3	295	7.5	104	2.65	89	26	PD-1005
S	SOIC	20	MS-013D/AC	50	1.27	500	12.7	295	7.5	104	2.65	84	25	PD-1006
S	SOIC	24	MS-013D/AD	50	1.27	602	15.3	295	7.5	104	2.65	79	24	PD-1007
S	SOIC	28	MS-013D/AE	50	1.27	701	17.8	295	7.5	104	2.65	74	19	PD-1008
T	SOT23	5	EIAJ SC-74A	37	0.95	114	2.9	64	1.6	57	1.45	99	86	PD-1911
T	SOT23	6	EIAJ SC-74A	37	0.95	114	2.9	64	1.6	57	1.45	96	65	PD-1912
U	MSOP	8	MO-187E/AA	26	0.65	118	3.0	118	3.0	43	1.1	206.3	39.1	PD-1261
U	MSOP	10	MO-187E/BA	20	0.5	118	3.0	118	3.0	43	1.1	206	39	PD-1262
V	SSOP	48	MO-118B/AA	25	0.635	625	15.875	300	7.62	110	2.79	94	26	PD-1401
W	SOIC	8	MS-012D/AA	50	1.27	193	4.9	150	3.9	69	1.75	157	42	PD-1001
W	SOIC	14	MS-012D/AB	50	1.27	340	8.6	150	3.9	69	1.75	113	25	PD-1002
W	SOIC	16	MS-012D/AC	50	1.27	390	9.9	150	3.9	69	1.75	111	24	PD-1004
XA	TTLGA	8	MO-288	20	0.5	59	1.5	59	1.5	23.6	0.6	-	-	PD-2081
XA	TTLGA	10	MO-288	20	0.5	59	1.5	59	2.00	24	0.6	-	-	PD-2095
ZA	TDFN	12	MO-229C/WEAD	20	0.5	118	3.0	39.4	1.0	31.5	0.8	-	-	PD-2009
ZA	TDFN	6	MO-229C/WBAD	20	0.5	59	1.5	39.4	1.0	31.5	0.8	-	-	PD-2010
ZB	TQFN	56	MO-220I/MLLD	20	0.5	315	8.0	315	8.0	39.4	1.0	24	5.0	PD-2008
ZB	TQFN	48	MO-220/VKGD	20	0.5	276	7.0	276	7.0	39.4	1.0	23.65	9.1	PD-2080

*Thermal data is package specific, not device specific. Data presented here was extracted from a certain pad size.

For latest packages update, please visit:

<http://www.pericom.com/products/packaging/mechanicals.php>

Packaging Specifications & Thermal Data* (cont'd)

Pericom IC Plastic Package Mechanicals and *Thermal Characteristics (for SaRonix-eCera, see datasheet)														
Pericom Code	Package Type	Pin Count	JEDEC PUB 95	Pin Pitch		Length		Width		Height		Theta JA (still air) °C/Watt	Theta JC (°C/Watt)	POD Number
				MILS	MM	MILS	MM	MILS	MM	MILS	MM			
ZD	TQFN	20	MO-220	20	0.5	157	4.0	157	4.0	31.5	0.8	-	-	PD-2084
ZD	TQFN	64	MO-220I/VMMD	20	0.5	354	9.0	354	9.0	31.5	0.8	24.83	7.34	PD-2036
ZD	TQFN	48	MO220/VKGD	20	0.5	276	7.0	276	7.0	39.4	1.0	23.65	9.1	PD-2045
ZE	TDFN	10	MO-229	20	0.5	118	3	118	3.00	32	1	-	-	PD-2092
ZE	TDFN	12	MO-229C/WFED-2	20	0.5	138	3.5	118	3.0	31.5	0.8	-	-	PD-2022
ZF	TQFN	36	MO-220I/WJHD	20	0.5	197	5.0	236	6.0	31.5	0.8	36.26	15.27	PD-2023
ZF	TQFN	56	MO-220I/WPHD	20	0.5	197	5.0	433	11	31.5	0.8	33.23	12.95	PD-2024
ZG	TDFN	12	MO-229C/WFBD	20	0.5	138	3.5	59	1.5	31.5	0.8	-	-	PD-2028
ZH	TQFN	12	MO-220	20	0.5	118	3.0	118	3.0	31.5	0.8	-	-	PD-2077
ZH	TQFN	20	MO-241	20	0.5	138	3.5	177	4.5	31.5	0.8	58.37	-	PD-2032
ZH	TQFN	28	MO-220I/WMFD	20	0.5	138	3.5	217	5.5	31.5	0.8	41.68	23.78	PD-2034
ZH	TQFN	32	MO-220	20	0.5	197	5	197	5.00	32	0.8	-	-	PD-2070
ZH	TQFN	42	MO-220I/WTFD	20	0.5	138	3.5	354	9.0	31.5	0.8	35.34	15.17	PD-2035
ZH	TQFN	16	MO-220J (WEED)	20	0.5	118	3.0	118	3.0	31.5	0.8	-	-	PD-2047
ZI	TQFN	84	MO-220I (Ref.)	16	0.4	394	10	394	10	31.5	0.8	23.3	8.32	PD-2039
ZJ	TDFN	16	MO-229 (Ref.)	16	0.4	130	3.3	59	1.5	31.5	0.8	-	-	PD-2042
ZK	TQFN	24	MO-241 (Ref.)	16	0.4	138	3.5	157	4.0	31.5	0.8	-	-	PD-2043
ZK	TQFN	12	MO-241 (Ref.)	16	0.4	64	1.6	86.6	2.2	31.5	0.8	-	-	PD-2059
ZL	TQFN	32	MO-220 (Ref.)	16	0.4	118	3.0	236	6.0	31.5	0.8	-	-	PD-2044
ZL	TQFN	10	MO-220 (Ref.)	16	0.4	51	1.3	63	1.6	31.5	0.8	-	-	PD-2052
ZL	TQFN	16	MO-220 (Ref.)	16	0.4	98	2.5	98	2.5	31.5	0.8	-	-	PD-2061
ZL	TQFN	20	MO-220 (Ref.)	16	0.4	118	3.0	118	3.0	31.5	0.8	-	-	PD-2083
ZL	TQFN	42	MO-220 (Ref.)	16	0.4	138	3.5	276	7.0	31.5	0.8	-	-	PD-2082
ZL	TQFN	64	MO-220 (Ref.)	16	0.4	295	7.5	295	7.5	31.5	0.8	-	-	PD-2067
ZL	TQFN	72	MO-220 (Ref.)	16	0.4	197	5.0	433	11	31.5	0.8	-	-	PD-2075
ZL	TQFN	80	MO-220 (Ref.)	16	0.4	138	3.5	571	14.5	31.5	0.8	-	-	PD-2078
ZM	UQFN	16	MO-220 (Ref.)	16	0.4	98	2.5	98	2.5	21.7	0.55	-	-	PD-2060
ZM	UQFN	10	MO-220 (Ref.)	16	0.4	55.1	1.4	70.9	1.8	21.7	0.55	-	-	PD-2066
ZN	TQFN	16	MO-220 (Ref.)	16	0.4	51	1.3	110	2.8	31.5	0.8	-	-	PD-2062
ZP	TQFN	80	MO-267 (Ref.)	26	0.65	197	5	433	11.00	32	0.8	-	-	PD-2085
ZP	TQFN	132	MO-267 (Ref.)	20	0.5	394	10	394	10	39.4	1.0	25.8	8.0	PD-2073
ZR	UDFN	6	MO-236/MO-252 (Ref.)	16	0.4	47	1.2	394	1.0	21.7	0.55	-	-	PD-2074
ZT	UQFN	10	MO-220 (Ref.)	16	0.4	51	1.3	63	1.6	21.7	0.55	-	-	PD-2076

*Thermal data is package specific, not device specific. Data presented here was extracted from a certain pad size.