

PACKAGING PORTFOLIO

Package	Lead Count	Pad size [mils(mm)]	Body Thickness [inch(mm)]	Body Length [inch(mm)]	Body Width [inch(mm)]	Form	Lead Frame Drawing No. (Pad size)	Material	POD No.	JEDEC Ref. No.	JEDEC LEVEL
SONB	7	(Split Pad, F)	0.058 (1.47)	0.194 (4.93)	0.155 (3.94)	Gull Wing	1001-100-40007 (Split Pad, F) ©	C194	POD-100-403	MS-012	MSL 1
SONB	8	(90x90), (95x130) (90x158, F), (112x80) (112x169, F), (90x90, F) (70x110)	0.058 (1.47)	0.194 (4.93)	0.155 (3.94)	Gull Wing	1001-002-40046 (90x90) / 1001-002-40010 (90x130) / 1001-002-40055 (90x158, F) / 1001-002-40047 (112x80) / 1001-002-40052 (112x169, F) / 1001-100-40009 (90x90, F) © / 1001-027-40012 (70x110)	C194	POD-002-422	MS-012	MSL 1
eSONB	8	95x130 (Exposed Pad)	0.058 (1.47)	0.194 (4.93)	0.155 (3.94)	Gull Wing	1001-002-40057	C194	POD-002-439	MS-012	MSL 1
SOWB	16	160x200	0.092 (2.34)	0.402 (10.21)	0.296 (7.52)	Gull Wing	1001-002-40043	C194	POD-002-425	MS-013	MSL 3
SOWB	20	(110x140) (140x160)	0.092 (2.34)	0.502 (12.75)	0.296 (7.52)	Gull Wing	1001-002-40049 1001-002-40050	C194	POD-002-425	MS-013	MSL 3
SOWB	28	160x205	0.092 (2.34)	0.71 (18.03)	0.296 (7.52)	Gull Wing	1001-002-40022, 1010010094	C194	POD-002-425	MS-013	MSL 3
PDIP	7	(Split Pad, F)	0.155 (3.949)	0.378 (9.589)	0.260 (6.604)	Thru Hole	1001-136-40004 (Split Pad, F) ©	C194	POD-002-444	MS-001	N/A
PDIP	8	(Split Pad, F)	0.155	0.378	0.260 (6.604)	Thru Hole	1001-136-40003 © / 1001-136-40011 (Split Pad, F) ©	C194	POD-002-443	MS-001	N/A
SOT23 (Die up)	3	(45x35, F)	0.037 (0.94)	0.115 (2.92)	0.051 (1.30)	Gull Wing	1001-028-40004 (45x35, F)	C194	POD-028-401	TO-236	MSL 1
SOT23 (Die Down)	5	(66x47, F)	0.043" (1.10)	0.114 (2.90)	0.063 (1.60)	Gull Wing	1001-028-40006 (66x47, F)	C194	POD-028-304	MO-178	MSL 1
SOT23 (Die Down)	6	(66x39, F) (Split Pad, F)	0.043" (1.10)	0.114 (2.90)	0.063 (1.60)	Gull Wing	1001-028-40008 (66x39, F) / 1001-100-40002 (Split Pad, F) ©	C194	POD-028-305	MO-178	MSL 1
TSOT23-DD (Die Down)	3	(66x48, F)	0.035 (0.90)	0.114 (2.90)	0.063 (1.60)	Gull Wing	1001-028-40024 (66x48, F) 1010010402	C194	POD-028-407	MO-178	MSL 1
TSOT23-DD (Die Down)	6	(66x39, F)	0.035 (0.90)	0.114 (2.90)	0.063 (1.60)	Gull Wing	1001-028-40012 (66x39, F) ©	C194	POD-028-407	MO-178	MSL 1
TSOT23-DU (Die Up)	3	(66x48, F)	0.035 (0.90)	0.114 (2.90)	0.063 (1.60)	Gull Wing	1001-028-40024 (66x48, F) 1010010402	C194	POD-028-407	MO-178	MSL 1
QFN 3x3x0.9	16	74.8x74.8 (1.9x1.9)	0.035 (0.90)	0.118 (3.00)	0.118 (3.00)	N/A	1001-177-4001	C194	POD-177-401	MO-220	MSL 1

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QFN 3x3x0.9	16	61.8x68.9 (1.57x1.75)	0.035 (0.90)	0.118 (3.00)	0.118 (3.00)	N/A	1001-185-40001 (Fused leads 6&7, 14&15)	C194	POD-185-401	MO-220	MSL 1
TDFN 4x4x0.75	8	141.3x115.4 (3.59x2.93)	0.030 (0.75)	0.157 (4.00)	0.157 (4.00)	N/A	1001-098-40003 (Fused leads 1,2&3, Fused leads 5,6,7&8 to DAP)	C194	POD-098-401	MO-220	MSL 1
TDFN 6x5x0.75	8	161.4x179.1 (4.10x4.55)	0.030 (0.75)	0.236 (6.00)	0.197 (5.00)	N/A	1001-098-40004 (Fused leads 5,6,7&8 to DAP)	C194	POD-098-404	MO-220	MSL 3
DFN 6x5x0.9	8	96.5x102.4 (2.45x2.60)	0.035 (0.90)	0.236 (6.00)	0.197 (5.00)	N/A	1001-166-40002 (Fused leads 5,6&7)	C194	POD-166-402	MO-220	MSL 3
QFN / DFN	Various	0.118x0.035 to 0.354x0.035 (3.00x0.90 to 8.00x0.90)	0.035 (0.90)	0.118 to 0.354 (3.00 to 8.00)	0.118 to 0.354 (3.00 to 8.00)	N/A	0.118x0.035 to 0.354x0.035 © (3.00x0.90 to 8.00x0.90)	C194	POD-076-412 / POD-076-411 / POD-076-419 / POD-076-410 / POD-076-413 / POD-002-438	MO-220	MSL 1 / MSL 3
TQFN / TDFN	Various	0.118x0.031 to 0.354x0.031 (3.00x0.80 to 8.00x0.80)	0.030 (0.75)	0.118 to 0.354 (3.00 to 8.00)	0.118 to 0.354 (3.00 to 8.00)	N/A	0.118x0.031 to 0.354x0.031 © (3.00x0.80 to 8.00x0.80)	C194	POD-076-412 / POD-076-411 / POD-076-419 / POD-076-410 / POD-076-413 / POD-002-438	MO-229	MSL 1 / MSL 3
LGA	Various	0.118 to 0.276 (3.00 to 7.00) Thickness varies	VARIES (LAMITE THICKNESS GOVERNS	0.118 to 0.276 (3.00 to 7.00)	0.118 to 0.276 (3.00 to 7.00)	N/A	3x3 to 7x7 / Thickness varies ©	Laminates	customize	customize	MSL 3
TO39	4	Header	customize			N/A	Metal Header	Customized	Part Name MLX90614xCC	customize	N/A
SOIC	16	(92x128 X 107x123) / (80x150 / 80x120) / (80x120) / (80x150) / (88x150) / (92x150)	0.054 (1.37)	0.394 (10.00)	0.154 (3.90)	Gull Wing	36-0156 / (92x128 X 107x123) / © 36-0383 / (80x150 / 80x120) / © 36-0703 / (80x120) - Opt1 / (80x150) - Opt2 / (88x150) - Opt3-5 / (92x150) - Opt6 ©	C194	MKT-M16A	MS-012	MSL 1
SOIC	14	(85x85)	0.071 (1.80)	0.402 (10.20)	0.209 (5.30)	Gull Wing	36-0914 / (85x85) ©	C194	MKT-M14D	EIAJ EDR-7320	MSL 1

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SOIC	16	(110x134)	0.071 (1.80)	0.406 (10.30)	0.209 (5.30)	Gull Wing	36-0862 / (110x134) ©	C194	MKT-M16D	EIAJ EDR-7320	MSL 1
SOIC	20	(110x130)	0.071 (1.80)	0.500 (12.70)	0.209 (5.30)	Gull Wing	36-0918 / (110x130) ©	C194	MKT-M20D	EIAJ EDR-7320	MSL 1
TSSOP	14	(59x59) - (79x79)	0.035 (0.90)	0.197 (5.00)	0.173 (4.40)	Gull Wing	36-0098 / (59x59) - Opt1 / (79x79) - Opt2 ©	C194	MKT-MTC14	MO-153	MSL 1
TSSOP	16	(79x79)	0.035 (0.90)	0.201 (5.10)	0.173 (4.40)	Gull Wing	36-0112, (79x79) ©	C194	MKT-MTC16	MO-153	MSL 1
TSSOP	16	(110x118)	0.035 (0.90)	0.201 (5.10)	0.173 (4.40)	Gull Wing	1001-041-40067, 0410010004, HDLF	C194	POD-002-452	MO-153	MSL 1
TSSOP	16	(40x42)	0.035 (0.90)	0.201 (5.10)	0.173 (4.40)	Gull Wing	1001-002-40070, 1010010418, HDLF ©	C194	POD-002-452	MO-153	MSL 1
TSSOP	20	(98x98)	0.035 (0.90)	0.256 (6.50)	0.173 (4.40)	Gull Wing	36-0692 / (98x98) ©	C194	MKT-MTC20	MO-153	MSL 1

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TSSOP	24	(138x110)	0.035 (0.90)	0.307 (7.80)	0.173 (4.40)	Gull Wing	36-0859 / (138x110) ©	C7025 HH	MKT-MTC24	MO-153	MSL 1
TSSOP	28	(217x118) (138x118)	0.035 (0.90)	0.382 (9.70)	0.173 (4.40)	Gull Wing	36-0026 / (217x118) ©	C7025 HH	MKT-MTC28	MO-153	MSL 1
TSSOP	48	(177x118)	0.035 (0.90)	0.492 (12.5)	0.240 (6.10)	Gull Wing	36-0002 / (177x118) ©	C7025 HH	MKT-MTD48	MO-153	MSL 1
TSSOP	48	(173x283) / (118x197) / (134x173) F / (209x189 Split pad) F	0.035 (0.90)	0.492 (12.5)	0.240 (6.10)	Gull Wing	1001-124-40010 (173x283), 1240010001 C7025-HH, HDLF © / 1001-124-40011 (118x197), 1240010002 C7025-HH, HDLF © / 1001-124-40012 (134x173), 1240010003 C7025-HH, HDLF © / 1001-027-40018 (209x189 Split pad) F, 0270010001, C194-SH, HDLF ©	C7025-HH, C194-SH	POD-002-456	MO-153	MSL 3

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TSSOP	56	(177x216) (197x138)	0.035 (0.90)	0.551 (14.00)	0.240 (6.10)	Gull Wing	36-0061 / (177x216) ©	C7025 HH	MKT-MTD56	MO-153	MSL 3
DMP	4	Dual Mold Package	0.059 (1.50)	TOP = 0.177 (4.50) BOTTOM = 0.171 (4.35)	0.205 (5.20)	N/A	79X118 ©	K75	POD-041-409	customize	N/A
SOIC	16	Open Cavity	0.092 (2.34)	0.402 (10.21)	0.296 (7.52)		118X118 ©	C194	POD-002-425	MS-012	MSL 3
SOIC	28	Multi-pad	0.092 (2.34)	0.71 (18.03)	0.296 (7.52)	Gull Wing	Multi-pad customize ©	C194	POD-138-401	customize	MSL 3
Mini SMD	2	Single pad				Customize	Pre-molded ©	C194	customize	customize	MSL 3
SMD	4	Single pad				Customize	Pre-molded ©	C194	customize	customize	MSL 3

Note: © - customized design (customer owned lead frame)
 dimensions: inch (mm)