

Device				Body Body Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
0303	0.84	0.84	0.15	0.76	0.76	0.08			
0402	0.51	1.02	0.35	0.51	1.02	0.35			
0603									
0805	1.32	1.94	1.00	1.32	1.94	1.00			CDR-01, 31
1005	1.27	2.54	0.40	1.27	2.54	0.40			
1206	1.21	3.21	1.19	1.21	3.21	1.19			CDR-32
1210	2.50	3.23	1.26	2.50	3.23	1.26			CDR-33
1407	2.92	4.19	1.65	2.54	3.81	1.27			CWR10-S
1410	2.92	5.46	1.65	2.54	5.08	1.27			CWR10-V
1411	3.81	5.96	2.16	3.43	5.58	1.78			CWR11-B
1505	2.16	4.64	1.06	2.16	4.64	1.06			CDR-02
1512	2.55	5.10	1.00	2.55	5.10	1.00			CDR-04, 34
1805	2.75	5.06	2.09	2.75	5.06	2.09			CDR-05, 35
2010	2.54	5.08	2.54	5.08					
2225	5.30	6.27	1.55	5.30	6.27	1.55			CDR-06
2512									CWR06-F
5050	12.70	12.70	12.70	12.70					
2225s									
2312 Tant Cap									CWR11-C
2611 Tant Cap									CWR06-G
2710 Tant Cap									CWR10-XYZ
2723 Tant Cap									CWR10-R
2815 Tant Cap									CWR06-H
2817 Tant Cap	4.30	7.30	4.00	4.30	7.30	4.00			CWR11-D
3017 Tant Cap.	4.32	7.62		4.32	7.62				
3218 Tant Cap									CWR04-CDE
Axial B = 53									
Axial B = 63									
Axial B = 73									
BGA 00.95 x 0.95 x 0.40 (2 x 2)	0.95	0.95	1.20	0.95	0.95	1.00	0.40	0.17	MO-211B/AA
BGA 01.15 x 1.15 x 0.50 (2 x 2) /A	1.15	1.15	1.20	1.15	1.15	1.00	0.50	0.17	MO-211B/BA
BGA 01.15 x 1.15 x 0.50 (2 x 2) /B	1.15	1.15	1.00	1.15	1.15	0.90	0.50	0.17	MO-211B/CA
BGA 01.30 x 1.30 x 0.50 (2 x 2)	1.30	1.30	1.00	1.30	1.30	0.85	0.50	0.30	MO-211B/DA
BGA 01.35 x 0.95 x 0.4 (3 x 2)	1.35	0.95	1.20	1.35	0.95	1.00	0.40	0.17	MO-211B/AB
BGA 01.35 x 1.35 x 0.40 (3 x 3)	1.35	1.35	1.20	1.35	1.35	1.00	0.40	0.17	MO-211B/AC
BGA 01.40 x 0.90 x 0.50 (3 x 2)	1.40	0.90	0.50	1.40	0.90	0.40	0.50	0.17	MO-211B/EA
BGA 01.65 x 1.15 x 0.50 (3 x 2) /A	1.65	1.15	1.20	1.65	1.15	1.00	0.50	0.17	MO-211B/BB
BGA 01.65 x 1.15 x 0.50 (3 x 2) /B	1.65	1.15	1.00	1.65	1.15	0.90	0.50	0.17	MO-211B/CB
BGA 01.65 x 1.65 x 0.50 (3 x 3) /A	1.65	1.65	1.20	1.65	1.65	1.00	0.50	0.17	MO-211B/BC
BGA 01.65 x 1.65 x 0.50 (3 x 3) /B	1.65	1.65	1.00	1.65	1.65	0.90	0.50	0.17	MO-211B/CC
BGA 01.75 x 1.75 x 0.40 (4 x 4)	1.75	1.75	1.20	1.75	1.75	1.00	0.40	0.17	MO-211B/AD

Device	Body			Body			Lead		Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia		
BGA 01.80 x 1.30 x 0.50 (3 x 2)	1.80	1.30	1.00	1.80	1.30	0.85	0.50	0.30	MO-211B/DB	
BGA 01.80 x 1.80 x 0.50 (3 x 3)	1.80	1.80	1.00	1.80	1.80	0.80	0.50	0.30	MO-211B/DD	
BGA 01.90 x 0.90 x 0.50 (4 x 2)	1.90	0.90	0.50	1.90	0.90	0.40	0.50	0.17	MO-211B/EB	
BGA 02.15 x 1.75 x 0.40 (5 x 4)	2.15	1.75	1.20	2.15	1.75	1.00	0.40	0.17	MO-211B/AE	
BGA 02.15 x 2.15 x 0.40 (5 x 5)	2.15	2.15	1.20	2.15	2.15	1.00	0.40	0.17	MO-211B/AF	
BGA 02.15 x 2.15 x 0.50 (4 x 4) /A	2.15	2.15	1.20	2.15	2.15	1.00	0.50	0.17	MO-211B/BD	
BGA 02.15 x 2.15 x 0.50 (4 x 4) /B	2.15	2.15	1.00	2.15	2.15	0.90	0.50	0.17	MO-211B/CD	
BGA 02.30 x 1.30 x 0.50 (4 x 2)	2.30	1.30	1.00	2.30	1.30	0.85	0.50	0.30	MO-211B/DC	
BGA 02.30 x 1.80 x 0.50 (4 x 3)	2.30	1.80	1.00	2.30	1.80	0.85	0.50	0.30	MO-211B/DE	
BGA 02.30 x 2.30 x 0.50 (4 x 4)	2.30	2.30	1.00	2.30	2.30	0.85	0.50	0.30	MO-211B/DF	
BGA 02.55 x 2.55 x 0.40 (6 x 6)	2.55	2.55	1.20	2.55	2.55	1.00	0.40	0.17	MO-211B/AG	
BGA 02.65 x 2.15 x 0.50 (5 x 4) /A	2.65	2.15	1.20	2.65	2.15	1.00	0.50	0.17	MO-211B/BE	
BGA 02.65 x 2.15 x 0.50 (5 x 4) /B	2.65	2.15	1.00	2.65	2.15	0.90	0.50	0.17	MO-211B/CE	
BGA 02.65 x 2.65 x 0.50 (5 x 5) /A	2.65	2.65	1.20	2.65	2.65	1.00	0.50	0.17	MO-211B/BF	
BGA 02.65 x 2.65 x 0.50 (5 x 5) /B	2.65	2.65	1.00	2.65	2.65	0.90	0.50	0.17	MO-211B/CF	
BGA 02.80 x 2.30 x 0.50 (5 x 4)	2.80	2.30	1.00	2.80	2.30	0.85	0.50	0.30	MO-211B/DG	
BGA 02.80 x 2.80 x 0.50 (5 x 5)	2.80	2.80	1.00	2.80	2.80	0.85	0.50	0.30	MO-211B/DH	
BGA 03.00 x 03.00 x 0.65 (4 x 4) FBGA	3.00	3.00	1.00	3.00	3.00	0.85	0.65	0.40	MO-225B/AB	
BGA 03.00 x 04.00 x 0.50 (5 x 7) FBGA	3.00	4.00	1.00	3.00	4.00	0.85	0.50	0.30	MO-225B/DA	
BGA 03.00 x 04.00 x 0.65 (4 x 5) FBGA	3.00	4.00	1.00	3.00	4.00	0.85	0.65	0.40	MO-225B/BC	
BGA 03.15 x 3.15 x 0.50 (6 x 6) /A	3.15	3.15	1.20	3.15	3.15	1.00	0.50	0.17	MO-211B/BG	
BGA 03.15 x 3.15 x 0.50 (6 x 6) /B	3.15	3.15	1.00	3.15	3.15	0.90	0.50	0.17	MO-211B/CG	
BGA 03.30 x 2.80 x 0.50 (6 x 5)	3.30	2.80	1.00	3.30	2.80	0.85	0.50	0.30	MO-211B/DJ	
BGA 03.30 x 3.30 x 0.50 (6 x 6)	3.30	3.30	1.00	3.30	3.30	0.85	0.50	0.30	MO-211B/DK	
BGA 03.50 x 03.50 x 0.65 (4 x 4) FBGA	3.50	3.50	1.00	3.50	3.50	0.85	0.65	0.40	MO-225B/AA	
BGA 03.50 x 04.00 x 0.50 FBGA	3.50	4.00	1.00	3.50	4.00	0.85	0.50	0.30	MO-225B/DB	
BGA 03.50 x 4.50 x 1.00 (3 x 4)	3.50	4.50	1.00	3.50	4.50	1.00	0.50	0.30	CO-034 (AA)	
BGA 04.00 x 04.00 x 0.50 (10 x 10) BGA	4.06	4.06	0.50	4.00	4.00	0.30	0.40			
BGA 04.00 x 04.00 x 0.50 (6 x 6) FBGA	4.00	4.00	1.20	4.00	4.00	1.00	0.50	0.30	MO-195B/BA	
BGA 04.00 x 04.00 x 0.50 (7 x 7) FBGA	4.00	4.00	1.20	4.00	4.00	1.00	0.50		MO-195B/AA	
BGA 04.00 x 04.00 x 0.50 FBGA	4.00	4.00	1.00	4.00	4.00	0.85	0.50	0.30	MO-225B/CA	
BGA 04.00 x 04.00 x 0.65 (7 x 7) FBGA	4.00	4.00	1.00	4.00	4.00	0.85	0.50	0.30	MO-225B/CB	
BGA 04.00 x 05.00 x 0.50 (6 x 8) FBGA	4.00	5.00	1.00	4.00	5.00	0.85	0.50	0.30	MO-225B/DC	
BGA 04.50 x 07.00 x 0.65 (6 x 10) FBGA	4.50	7.00	1.00	4.50	7.00	0.85	0.65	0.40	MO-225B/BA	
BGA 05.00 x 05.00 x 0.50 (8 x 8) FBGA A	5.00	5.00	1.20	5.00	5.00	1.00	0.50	0.30	MO-195B/BB	
BGA 05.00 x 05.00 x 0.50 (8 x 8) FBGA B	5.00	5.00	1.00	5.00	5.00	0.85	0.50	0.30	MO-225B/CC	
BGA 05.00 x 05.00 x 0.50 (9 x 9) FBGA	5.00	5.00	1.00	5.00	5.00	0.85	0.50		MO-225B/CD	
BGA 05.00 x 05.00 x 0.50 (9 x 9) FBGA B	5.00	5.00	1.20	5.00	5.00	1.00	0.50		MO-195B/AB	
BGA 05.50 x 08.00 x 0.80 (6 x 9) FBGA	5.50	8.00	1.70	5.50	8.00	1.45	0.50	0.80	MO-205E/DD	
BGA 05.50 x 13.50 x 0.80 (6 x 16) FBGA	5.50	13.50	1.70	5.50	13.50	1.45	0.80	0.50	MO-205E/CC	
BGA 05.50 x 16.00 x 0.80 (6 x 19) FBGA	5.50	16.00	1.70	5.50	16.00	1.45	0.80	0.50	MO-205E/DC	

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
BGA 06.00 x 06.00 x 0.50 (10 x 10) FBGA	6.00	6.00	1.20	6.00	6.00	1.00	0.50	0.30	MO-195B/BC
BGA 06.00 x 06.00 x 0.50 (11 x 11) FBGA	6.00	6.00	1.20	6.00	6.00	1.00	0.50		MO-195B/AC
BGA 06.00 x 08.00 x 0.80 (6 x 8) FBGA	6.00	8.00	1.20	6.00	8.00	0.95	0.80		MO-210F/AB-1
BGA 06.00 x 09.00 x 0.65 (8 x 13) FBGA	6.00	9.00	1.00	6.00	9.00	0.85	0.65	0.40	MO-225B/BB
BGA 06.00 x 09.00 x 0.80 (6 x 8) FBGA	6.00	9.00	1.20	6.00	9.00	0.95	0.80		MO-210F/AC-1
BGA 06.00 x 12.00 x 0.80 (6 x 8) FBGA	6.00	12.00	1.20	6.00	12.00	1.05	0.80		MO-210F/CC-2
BGA 07 x 07 x 1.00 (5 x 5)	7.00	7.00	3.50	7.00	7.00	3.20	1.00		MS-034
BGA 07 x 07 x 1.00 (6 x 6)	7.00	7.00	3.50	7.00	7.00	3.20	1.00		MS-034
BGA 07 x 07 x 1.00 (7 x 7)	7.00	7.00	3.50	7.00	7.00	3.20	1.00		MS-034
BGA 07 x 07 x 1.27 (4 x 4)	7.00	7.00	3.50	7.00	7.00	3.20	1.27		MS-034
BGA 07 x 07 x 1.27 (5 x 5)	7.00	7.00	3.50	7.00	7.00	3.20	1.27		MS-034
BGA 07.00 x 07.00 x 0.50 (12 x 12) FBGA	7.00	7.00	1.20	7.00	7.00	1.00	0.50	0.30	MO-195B/BD
BGA 07.00 x 07.00 x 0.50 (12 x 12) FBGA	7.00	7.00	1.00	7.00	7.00	0.85	0.50	0.30	MO-225B/CE
BGA 07.00 x 07.00 x 0.50 (13 x 13) FBGA	7.00	7.00	1.00	7.00	7.00	0.85	0.50	0.30	MO-225B/CF
BGA 07.00 x 07.00 x 0.50 (13 x 13) FBGA	7.00	7.00	1.20	7.00	7.00	1.00	0.50		MO-195B/AD
BGA 07.00 x 07.20 x 0.80 (8 x 8) FBGA	7.00	7.20	1.70	7.00	7.20	1.45	0.80		MO-219D/BU
BGA 07.00 x 10.00 x 0.50 (12 x 18) FBGA	7.00	10.00	1.20	7.00	10.00	1.00	0.50		MO-195B/CA
BGA 07.00 x 10.00 x 0.50 (13 x 19) FBGA	7.00	10.00	1.20	7.00	10.00	0.50			MO-195B/DA
BGA 07.00 x 11.00 x 0.80 (8 x 12) FBGA	7.00	11.00	1.70	7.00	11.00	1.45	0.80		MO-219D/BV
BGA 07.00 x 12.00 x 0.80 (6 x 8) FBGA	7.00	12.00	1.20	7.00	12.00	0.95	0.80		MO-210F/AE-1
BGA 07.00 x 12.00 x 0.80 (8 x 12) FBGA	7.00	12.00	1.70	7.00	12.00	1.45	0.80		MO-219D/BW
BGA 07.50 x 09.50 x 0.80 (8 x 16) FBGA	7.60	9.60	1.20	7.50	9.50	0.75	0.80	0.50	MO-219D/BU
BGA 08.00 x 08.00 x 0.50 (14 x 14) FBGA	8.00	8.00	1.20	8.00	8.00	1.00	0.50	0.30	MO-195B/BE
BGA 08.00 x 08.00 x 0.50 (15 x 15) FBGA	8.00	8.00	1.20	8.00	8.00	1.00	0.50		MO-195B/AE
BGA 08.00 x 08.00 x 0.80 (8 x 8) FBGA	8.00	8.00	1.70	8.00	8.00	1.45	0.80		MO-219D/AA
BGA 08.00 x 08.00 x 0.80 (9 x 9) FBGA	8.00	8.00	1.70	8.00	8.00	1.45	0.80	0.50	MO-205E/AA
BGA 08.00 x 08.00 x 1.00 (06 x 06)	8.00	8.00	3.50	8.00	8.00	3.20	1.00		MS-034
BGA 08.00 x 08.00 x 1.00 (07 x 07)	8.00	8.00	3.50	8.00	8.00	3.20	1.00		MS-034
BGA 08.00 x 08.00 x 1.27 (05 x 05)	8.00	8.00	3.50	8.00	8.00	3.20	1.27		MS-034
BGA 08.00 x 08.00 x 1.27 (06 x 06)	8.00	8.00	3.50	8.00	8.00	3.20	1.27		MS-034
BGA 08.00 x 09.00 x 0.80 (6 x 8) FBGA	8.00	9.00	1.20	8.00	9.00	0.95	0.80		MO-210F/AD-1
BGA 08.00 x 09.00 x 0.80 (8 x 8) FBGA	8.00	9.00	1.20	8.00	9.00	1.05	0.80		MO-210F/CJ-2
BGA 08.00 x 10.00 x 0.80 (8 x 10) FBGA	8.00	10.00	1.70	8.00	10.00	1.45	0.80		MO-219D/BA
BGA 08.00 x 10.00 x 0.80 (8 x 12) FBGA	8.00	10.00	1.70	8.00	10.00	1.45	0.80		MO-219D/BJ
BGA 08.00 x 11.00 x 0.80 (10 x 10) FBGA	8.00	11.00	1.70	8.00	11.00	1.45	0.80		MO-219D/BL
BGA 08.00 x 11.00 x 0.80 (10 x 12) FBGA	8.00	11.00	1.70	8.00	11.00	1.45	0.80		MO-219D/BE
BGA 08.00 x 11.00 x 0.80 (8 x 12) FBGA	8.00	11.00	1.70	8.00	11.00	1.45	0.80		MO-219D/BB
BGA 08.00 x 11.60 x 0.80 (10 x 10) FBGA	8.00	11.60	1.70	8.00	11.60	1.45	0.80		MO-219D/BM
BGA 08.00 x 12.00 x 0.80 (8 x 12) FBGA	8.00	12.00	1.70	8.00	12.00	1.45	0.80	0.30	MO-219D/BK
BGA 08.00 x 13.00 x 0.90 (8 x 14) FBGA	8.00	13.00	8.00	13.00	1.10	0.80	0.30		
BGA 08.00 x 14.00 x 0.80 (12 x 19) FBGA	8.00	14.00	1.20	8.00	14.00	0.85	0.80		MO-210D/AF-1

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
BGA 08.00 x 14.00 x 0.80 (8 x 12) FBGA B	8.00	14.00	1.20	8.00	14.00	1.05	0.80		MO-210D/CE-2
BGA 08.00 x 14.00 x 0.80 (8 x 14) FBGA	8.00	14.00	1.70	8.00	14.00	1.45	0.80		MO-219D/BAA
BGA 08.00 x 15.00 x 0.80 (6 x 10) FBGA	8.00	15.00	1.20	8.00	15.00	1.05	0.80		MO-210D/CF-2
BGA 08.00 x 16.00 x 0.80 (8 x 15) FBGA	8.00	16.00	1.20	8.00	16.00	0.95	0.80		MO-210D/AA-1
BGA 09.00 x 09.00 x 0.50 (16 x 16) FBGA	9.00	9.00	1.00	9.00	9.00	0.85	0.50	0.30	MO-225B/CG
BGA 09.00 x 09.00 x 0.50 (16 x 16) FBGA B	9.00	9.00	1.20	9.00	9.00	1.00	0.50	0.30	MO-195B/BF
BGA 09.00 x 09.00 x 0.50 (17 x 17) FBGA	9.00	9.00	1.00	9.00	9.00	0.85	0.50	0.30	MO-225B/CH
BGA 09.00 x 09.00 x 0.50 (17 x 17) FBGA B	9.00	9.00	1.20	9.00	9.00	1.00	0.50		MO-195B/AF
BGA 09.00 x 09.00 x 0.80 (08 x 08) FBGA	9.00	9.00	1.70	9.00	9.00	1.45	0.80		MO-219D/AC
BGA 09.00 x 09.00 x 0.80 (09 x 09) FBGA	9.00	9.00	1.70	9.00	9.00	1.45	0.80	0.50	MO-205E/BB
BGA 09.00 x 09.00 x 0.80 (10 x 10) FBGA	9.00	9.00	1.70	9.00	9.00	1.45	0.80		MO-219/DAB
BGA 09.00 x 09.00 x 1.00 (07 x 07)	9.00	9.00	3.50	9.00	9.00	3.20	1.00		MS-034
BGA 09.00 x 09.00 x 1.00 (08 x 08)	9.00	9.00	3.50	9.00	9.00	3.20	1.00		MS-034
BGA 09.00 x 09.00 x 1.27 (05 x 05)	9.00	9.00	3.50	9.00	9.00	3.20	1.27		MS-034
BGA 09.00 x 09.00 x 1.27 (06 x 06)	9.00	9.00	3.50	9.00	9.00	3.20	1.27		MS-034
BGA 09.00 x 11.00 x 0.80 (10 x 12) FBGA	9.00	11.00	1.70	9.00	11.00	1.45	0.80		MO-219D/BF
BGA 09.00 x 12.00 x 0.80 (08 x 12) FBGA	9.00	12.00	1.70	9.00	12.00	1.45	0.80		MO-219D/BC
BGA 09.00 x 12.00 x 0.80 (09 x 10) FBGA	9.00	12.00	1.20	9.00	12.00	1.05	0.80		MO-210F/CH-2
BGA 09.00 x 12.00 x 0.80 (10 x 12) FBGA	9.00	12.00	1.70	9.00	12.00	1.45	0.80		MO-219D/BG
BGA 09.00 x 13.00 x 0.50 (16 x 24) FBGA	9.00	13.00	1.20	9.00	13.00	1.00	0.50		MO-195B/CB
BGA 09.00 x 13.00 x 0.50 (17 x 25) FBGA	9.00	13.00	1.20	9.00	13.00	1.00	0.50		MO-195B/DB
BGA 09.00 x 13.00 x 0.80 (10 x 14) FBGA	9.00	13.00	1.70	9.00	13.00	1.45	0.80	0.50	MO-205E/CA
BGA 09.00 x 13.00 x 0.80 (10 x 15) FBGA	9.00	13.00	1.70	9.00	13.00	1.45	0.80	0.50	MO-205E/DA
BGA 09.00 x 13.00 x 0.80 (9 x 14) FBGA	9.00	13.00	1.70	9.00	13.00	1.45	0.80	0.50	MO-205E/DB
BGA 09.00 x 13.00 x 0.80 (9 x 15) FBGA	9.00	13.00	1.70	9.00	13.00	1.45	0.80	0.50	MO-205E/CB
BGA 09.00 x 14.00 x 0.80 (10 x 14) FBGA	9.00	14.00	1.70	9.00	14.00	1.45	0.80		MO-219D
BGA 09.00 x 14.00 x 0.80 (8 x 14) FBGA	9.00	14.00	1.70	9.00	14.00	1.45	0.80		MO-219D/BD
BGA 09.00 x 16.00 x 0.80 (7 x 15) FBGA	9.00	16.00	1.20	9.00	16.00	0.95	0.80		MO-210F/AL-1
BGA 09.00 x 16.00 x 0.80 (9 x 15) FBGA	9.00	16.00	1.20	9.00	16.00	0.95	0.80		MO-210F/AM-1
BGA 10.00 x 10.00 x 0.50 (18 x 18) FBGA	10.00	10.00	1.20	10.00	10.00	1.00	0.50	0.30	MO-195B/BG
BGA 10.00 x 10.00 x 0.50 (19 x 19) FBGA	10.00	10.00	1.20	10.00	10.00	1.00	0.50		MO-195B/AG
BGA 10.00 x 10.00 x 0.80 (11 x 11) FBGA	10.00	10.00	1.70	10.00	10.00	1.45	0.80	0.50	MO-205E/BC
BGA 10.00 x 10.00 x 0.80 (12 x 12) FBGA	10.00	10.00	1.70	10.00	10.00	1.45	0.80	0.50	MO-205E/AC
BGA 10.00 x 10.00 x 1.00 (08 x 08)	10.00	10.00	3.50	10.00	10.00	3.20	1.00		MS-034
BGA 10.00 x 10.00 x 1.00 (09 x 09)	10.00	10.00	3.50	10.00	10.00	3.20	1.00		MS-034
BGA 10.00 x 10.00 x 1.27 (06 x 06)	10.00	10.00	3.50	10.00	10.00	3.20	1.27		MS-034
BGA 10.00 x 10.00 x 1.27 (07 x 07)	10.00	10.00	3.50	10.00	10.00	3.20	1.27		MS-034
BGA 10.00 x 12.00 x 1.05mm, (80-pin)	10.00	12.00	1.60	10.00	12.00	1.05	1.00		
BGA 10.00 x 12.50 x 0.50 FBGA	10.00	12.50	10.00	12.50		0.50			
BGA 10.00 x 13.00 x 0.80 (x x x) FBGA	10.00	13.00	10.00	13.00	0.80	0.80	0.50		MO-205E/BC
BGA 10.00 x 13.00 x 1.00 (08 x 08)	10.10	13.10	1.20	10.00	13.00	0.91	1.00	0.43	MS-034

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
BGA 10.00 x 14.00 x 1.00 (10 x 14) LBGA	10.00	14.00	1.70			1.00			
BGA 10.00 x 16.00 x 0.80 (8 x 8) FBGA	10.00	16.00	1.20	10.00	16.00	1.05	0.80		MO-210F/CG-2
DBGA 10.00 x 18.00 (060 x 0.50) (9 x 12)	10.00	18.00	1.20	10.00	18.00	0.95	0.50	0.45	MO-223C/AA
DBGA 10.00 x 18.00 (068 x 0.50) (9 x 16)	10.00	18.00	1.20	10.00	18.00	0.95	0.50	0.45	MO-223C/AC
DBGA 10.00 x 18.00 (072 x 0.50) (9 x 12)	10.00	18.00	1.20	10.00	18.00	0.95	0.50	0.45	MO-223C/AB
DBGA 10.00 x 18.00 (080 x 0.50) (9 x 16)	10.00	18.00	1.20	10.00	18.00	0.95	0.50	0.45	MO-223C/AD
BGA 11 x 11 x 1.00 (10 x 10)	11.00	11.00	3.50	11.00	11.00	3.20	1.00		MS-034
BGA 11 x 11 x 1.00 (10 x 10) CBGA x A	11.00	11.00	6.00	11.00	11.00	5.70	1.00	0.70	MO-156B/ACA
BGA 11 x 11 x 1.00 (10 x 10) CBGA x B	11.00	11.00	6.00	11.00	11.00	5.50	1.00	0.60	MO-156B/BCA
BGA 11 x 11 x 1.00 (9 x 9)	11.00	11.00	3.50	11.00	11.00	3.20	1.00		MS-034
BGA 11 x 11 x 1.27 (7 x 7)	11.00	11.00	3.50	11.00	11.00	3.20	1.27		MS-034
BGA 11 x 11 x 1.27 (8 x 8)	11.00	11.00	3.50	11.00	11.00	3.20	1.27		MS-034
BGA 11 x 11 x 1.27 (8 x 8) CBGA x A	11.00	11.00	6.00	11.00	11.00	5.90	1.27	0.89	MO-156B/ABA
BGA 11 x 11 x 1.27 (8 x 8) CBGA x B	11.00	11.00	6.00	11.00	11.00	5.60	1.27	0.75	MO-156B/BBA
BGA 11 x 11 x 1.50 (7 x 7) CBGA x A	11.00	11.00	6.00	11.00	11.00	5.90	1.50	0.89	MO-156B/AAA
BGA 11 x 11 x 1.50 (7 x 7) CBGA x B	11.00	11.00	6.00	11.00	11.00	5.60	1.50	0.75	MO-156B/BAA
BGA 11 x 18 x 1.00 (7 x 17)	11.00	18.00	2.20	11.00	18.00	1.80	1.00		MS-028
BGA 11 x 18 x 1.00 (9 x 17)	11.00	18.00	2.20	11.00	18.00	1.80	1.00		MS-028
BGA 11.00 x 11.00 x 0.50 (20 x 20) FBGA	11.00	11.00	1.20	11.00	11.00	1.00	0.50	0.30	MO-195B/BH
BGA 11.00 x 11.00 x 0.50 (21 x 21) FBGA	11.00	11.00	1.20	11.00	11.00	1.00	0.50		MO-195B/AH
BGA 11.00 x 11.00 x 0.80 (12 x 12) FBGA	11.00	11.00	1.70	11.00	11.00	1.45	0.80	0.50	MO-205E/BD
BGA 11.00 x 11.00 x 0.80 (13 x 13) FBGA	11.00	11.00	1.70	11.00	11.00	1.45	0.50	0.50	MO-205E/AD
BGA 11.00 x 11.50 x 0.80 (6 x 11) FBGA	11.00	11.50	1.20	11.00	11.50	0.80	0.80	0.45	
BGA 11.00 x 12.00 x 0.80 (12 x 14) FBGA	11.00	12.00	1.70	11.00	12.00	1.45	0.80		MO-219D/BY
BGA 11.00 x 12.00 x 0.80 (8 x 12) FBGA	11.00	12.00	1.20	11.00	12.00	1.05	0.80		MO-210F/CD-2
BGA 11.00 x 13.00 x 0.80 (12 x 12) FBGA	11.00	13.00	1.20	11.00	13.00	0.95	0.80		MO-210F/AR-1
BGA 11.00 x 13.00 x 0.80 (8 x 15) FBGA	11.00	13.00	1.20	11.00	13.00	0.95	0.80		MO-210F/AG-1
BGA 11.00 x 13.00 x 0.80 (9 x 15) FBGA	11.00	13.00	1.20	11.00	13.00	0.95	0.80		MO-210F/AN-1
BGA 11.50 x 14.00 x 0.80 (9 x 11) FBGA	11.50	14.00	1.20	11.50	14.00	0.95	0.80		MO-210F/AP-1
BGA 12 x 12 x 1.00 (10 x 10)	12.00	12.00	3.50	12.00	12.00	3.20	1.00		MS-034
BGA 12 x 12 x 1.00 (11 x 11)	12.00	12.00	3.50	12.00	12.00	3.20	1.00		MS-034
BGA 12 x 12 x 1.27 (8 x 8)	12.00	12.00	3.50	12.00	12.00	3.20	1.27		MS-034
BGA 12 x 12 x 1.27 (9 x 9)	12.00	12.00	3.50	12.00	12.00	3.20	1.27		MS-034
BGA 12.00 x 12.00 x 0.50 (22 x 22) FBGA	12.00	12.00	1.20	12.00	12.00	1.00	0.50	0.30	MO-195B/BJ
BGA 12.00 x 12.00 x 0.50 (23 x 23) FBGA	12.00	12.00	1.20	12.00	12.00	1.00	0.50		MO-195B/AJ
BGA 12.00 x 12.00 x 0.80 (13 x 13) FBGA	12.00	12.00	1.70	12.00	12.00	1.45	0.80	0.50	MO-205E/BE
BGA 12.00 x 12.00 x 0.80 (14 x 14) FBGA	12.00	12.00	1.70	12.00	12.00	1.45	0.80	0.50	MO-205E/AE
BGA 13 x 13 x 1.00 (11 x 11)	13.00	13.00	3.50	13.00	13.00	3.20	1.00		MS-034
BGA 13 x 13 x 1.00 (12 x 12)	13.00	13.00	3.50	13.00	13.00	3.20	1.00		MS-034
BGA 13 x 13 x 1.00 (12 x 12) CBGA x A	13.00	13.00	6.00	13.00	13.00	5.70	1.00	0.70	MO-156B/ACB
BGA 13 x 13 x 1.00 (12 x 12) CBGA x B	13.00	13.00	6.00	13.00	13.00	5.50	1.00	0.60	MO-156B/BCB

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
BGA 13 x 13 x 1.27 (10 x 10)	13.00	13.00	3.50	13.00	13.00	3.20	1.27		MS-034
BGA 13 x 13 x 1.27 (10 x 10) CBGA x A	13.00	13.00	6.00	13.00	13.00	5.90	1.27	0.89	MO-156B/ABB
BGA 13 x 13 x 1.27 (10 x 10) CBGA x B	13.00	13.00	6.00	13.00	13.00	5.60	1.27	0.75	MO-156B/BBB
BGA 13 x 13 x 1.27 (9 x 9)	13.00	13.00	3.50	13.00	13.00	3.20	1.27		MS-034
BGA 13 x 13 x 1.50 (8 x 8) CBGA x	13.00	13.00	6.00	13.00	13.00	5.60	1.50		MO-156B/BAB
BGA 13 x 13 x 1.50 (8 x 8) CBGA x A	13.00	13.00	6.00	13.00	13.00	5.90	1.50	0.89	MO-156B/AAB
FBGA 13.00 x 13.00 x 0.50 (24 x 24)	13.00	13.00	1.20	13.00	13.00	1.00	0.50	0.30	MO-195B/BK
FBGA 13.00 x 13.00 x 0.50 (25 x 25)	13.00	13.00	1.20	13.00	13.00	1.00	0.50		MO-195B/AK
FBGA 13.00 x 13.00 x 0.80 (10 x 9)	13.00	13.00	1.20	13.00	13.00	0.95		0.45	MO-228A/AA
FBGA 13.00 x 13.00 x 0.80 (14 x 14)	13.00	13.00	1.70	13.00	13.00	1.45	0.80	0.50	MO-205E/BF
FBGA 13.00 x 13.00 x 0.80 (15 x 15)	13.00	13.00	1.70	13.00	13.00	1.45	0.80	0.50	MO-205E/AF
FBGA 13.00 x 13.00 x 1.00 (12 x 9)	13.00	13.00	1.20	13.00	13.00	1.00		0.45	MO-228A/AB
FBGA 13.00 x 13.00 x 1.00 (13 x 13)	13.00	13.00	1.20	13.00	13.00	1.00		0.45	MO-228A/AB
FBGA 13.00 x 15.00 x 0.80 (13 x 13)	13.00	15.00	1.20	13.00	15.00	0.95	0.80		MO-210F/AH-1
FBGA 13.00 x 15.00 x 0.80 (13 x 15)	13.00	15.00	1.20	13.00	15.00	0.95	0.80		MO-AK-1
FBGA 13.00 x 15.00 x 0.80 (13 x 17)	13.00	15.00	1.20	13.00	15.00	0.95	0.80		MO-210F/AK-1
BGA 14 x 14 x 1.00 (12 x 12)	14.00	14.00	3.50	14.00	14.00	3.20	1.00		MS-034
BGA 14 x 14 x 1.00 (13 x 13)	14.00	14.00	3.50	14.00	14.00	3.20	1.00		MS-034
BGA 14 x 14 x 1.27 (10 x 10)	14.00	14.00	3.50	14.00	14.00	3.20	1.27		MS-034
BGA 14 x 14 x 1.27 (9 x 9)	14.00	14.00	3.50	14.00	14.00	3.20	1.27		MS-034
BGA 14 x 22 x 1.00 (11 x 19)	14.00	22.00	2.20	14.00	22.00	1.80	1.00		MS-028
BGA 14 x 22 x 1.27 (7 x 17)	14.00	22.00	3.50	14.00	22.00	3.00	1.27		MS-028
BGA 14 x 22 x 1.27 (9 x 17)	14.00	22.00	3.50	14.00	22.00	3.00	1.27		MS-028
FBGA 14.00 x 14.00 x 0.50 (26 x 26)	14.00	14.00	1.20	14.00	14.00	1.00	0.50	0.30	MO-195B/BL
FBGA 14.00 x 14.00 x 0.50 (27 x 27)	14.00	14.00	1.20	14.00	14.00	1.00	0.50		MO-195B/AL
BGA 15 x 15 x 1.00 (13 x 13)	15.00	15.00	3.50	15.00	15.00	3.20	1.00		MS-034
BGA 15 x 15 x 1.00 (13 x 13) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.00		MO-149
BGA 15 x 15 x 1.00 (14 x 14)	15.00	15.00	3.50	15.00	15.00	3.20	1.00		MS-034
BGA 15 x 15 x 1.00 (14 x 14) CBGA x A	15.00	15.00	6.00	15.00	15.00	5.70	1.00	0.70	MO-156B/ACC
BGA 15 x 15 x 1.00 (14 x 14) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.00		MO-149
BGA 15 x 15 x 1.27 (10 x 10)	15.00	15.00	3.50	15.00	15.00	3.20	1.27		MS-034
BGA 15 x 15 x 1.27 (10 x 10) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.27		MO-149
BGA 15 x 15 x 1.27 (11 x 11)	15.00	15.00	3.50	15.00	15.00	3.20	1.27		MS-034
BGA 15 x 15 x 1.27 (11 x 11) CBGA x A	15.00	15.00	6.00	15.00	15.00	5.90	1.27	0.89	MO-156B/ABC
BGA 15 x 15 x 1.27 (11 x 11) CBGA x B	15.00	15.00	6.00	15.00	15.00	5.60	1.27	0.75	MO-156B/BBC
BGA 15 x 15 x 1.27 (11 x 11) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.27		MO-149
BGA 15 x 15 x 1.27 (14 x 14) CBGA x B	15.00	15.00	6.00	15.00	15.00	5.50	1.00	0.60	MO-156B/BCC
BGA 15 x 15 x 1.50 (10 x 10) CBGA x B	15.00	15.00	6.00	15.00	15.00	5.60	1.50	0.75	MO-156B/BAC
BGA 15 x 15 x 1.50 (10 x 10) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.50		MO-149
BGA 15 x 15 x 1.50 (9 x 9) TBGA	15.00	15.00	3.40	15.00	15.00	2.95	1.50		MO-149
BGA 15 x 15 x 1.50(10 x 10) CBGA x A	15.00	15.00	6.00	15.00	15.00	5.90	1.50	0.89	MO-156/AAC

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
BGA 15.00 x 15.00 x 0.50 (28 x 28) FBGA	15.00	15.00	1.20	15.00	15.00	1.00	0.50	0.30	MO-195B/BM
BGA 15.00 x 15.00 x 0.50 (29 x 29) FBGA	15.00	15.00	1.20	15.00	15.00	1.00	0.50		MO-195B/AM
BGA 15.00 x 15.00 x 0.80 (17 x 17) FBGA	15.00	15.00	1.70	15.00	15.00	1.45	0.80	0.50	MO-205E/BG
BGA 15.00 x 15.00 x 0.80 (18 x 18) FBGA	15.00	15.00	1.70	15.00	15.00	1.45	0.80	0.50	MO-205E/AG
BGA 16.00 x 16.00 x 0.50 (30 x 30) FBGA	16.00	16.00	1.20	16.00	16.00	1.00	0.50	0.30	MO-195B/BN
BGA 16.00 x 16.00 x 0.50 (31 x 31) FBGA	16.00	16.00	1.20	16.00	16.00	1.00	0.50		MO-195B/AN
BGA 16.00 x 16.00 x 0.80 (18 x 18) FBGA	16.00	16.00	1.70	16.00	16.00	1.45	0.80	0.50	MO-205E/BH
BGA 16.00 x 16.00 x 0.80 (19 x 19) FBGA	16.00	16.00	1.70	16.00	16.00	1.45	0.80	0.50	MO-205E/AH
BGA 17 x 17 x 1.00 (15 x 15)	17.00	17.00	3.50	17.00	17.00	1.10	1.00		MS-034
BGA 17 x 17 x 1.00 (15 x 15) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.00		MO-149
BGA 17 x 17 x 1.00 (16 x 16)	17.00	17.00	3.50	17.00	17.00	1.10	1.00		MS-034
BGA 17 x 17 x 1.00 (16 x 16) CBGA x A	17.00	17.00	6.00	17.00	17.00	5.70	1.00	0.70	MO-156B/ACD
BGA 17 x 17 x 1.00 (16 x 16) CBGA x B	17.00	17.00	6.00	17.00	17.00	5.50	1.00	0.60	MO-156B/BCD
BGA 17 x 17 x 1.00 (16 x 16) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.00		MO-149
BGA 17 x 17 x 1.27 (12 x 12)	17.00	17.00	3.50	17.00	17.00	1.20	1.27		MS-034
BGA 17 x 17 x 1.27 (12 x 12) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.27		MO-149
BGA 17 x 17 x 1.27 (13 x 13)	17.00	17.00	3.50	17.00	17.00	1.20	1.27		MS-034
BGA 17 x 17 x 1.27 (13 x 13) CBGA x A	17.00	17.00	6.00	17.00	17.00	5.90	1.27	0.89	MO-156B/ABD
BGA 17 x 17 x 1.27 (13 x 13) CBGA x B	17.00	17.00	6.00	17.00	17.00	5.60	1.27	0.75	MO-156B/BBD
BGA 17 x 17 x 1.27 (13 x 13) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.27		MO-149
BGA 17 x 17 x 1.50 (10 x 10) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.50		MO-149
BGA 17 x 17 x 1.50 (11 x 11) CBGA x A	17.00	17.00	6.00	17.00	17.00	5.90	1.50	0.89	MO-156B/AAD
BGA 17 x 17 x 1.50 (11 x 11) CBGA x B	17.00	17.00	6.00	17.00	17.00	5.60	1.50	0.75	MO-156B/BAD
BGA 17 x 17 x 1.50 (11 x 11) TBGA	17.00	17.00	3.40	17.00	17.00	2.95	1.50		MO-149
BGA 17.00 x 17.00 x 0.50 (32 x 32) FBGA	17.00	17.00	1.20	17.00	17.00	1.00	0.50	0.30	MO-195B/BP
BGA 17.00 x 17.00 x 0.50 (33 x 33) FBGA	17.00	17.00	1.20	17.00	17.00	1.00	0.50		MO-195B/AP
BGA 17.00 x 17.00 x 0.80 (19 x 19) FBGA	17.00	17.00	1.70	17.00	17.00	1.45	0.80	0.50	MO-205E /BM
BGA 17.00 x 17.00 x 0.80 (20 x 20) FBGA	17.00	17.00	1.70	17.00	17.00	1.45	0.80	0.50	MO-205E/AM
BGA 17.00 x 17.00 x 1.00	17.00	17.00	1.60	17.00	17.00	1.16	1.00	0.25	MO-205E/AM
BGA 18.00 x 18.00 x 0.50 (34 x 34) FBGA	18.00	18.00	1.20	18.00	18.00	1.00	0.50	0.30	MO-195B/BQ
BGA 18.00 x 18.00 x 0.50 (35 x 35) FBGA	18.00	18.00	1.20	18.00	18.00	1.00	0.50		MO-195B/AQ
BGA 18.00 x 18.00 x 0.80 (21 x 21) FBGA	18.00	18.00	1.70	18.00	18.00	1.45	0.80	0.50	MO-205E/BJ
BGA 18.00 x 18.00 x 0.80 (22 x 22) FBGA	18.00	18.00	1.70	18.00	18.00	1.45	0.80	0.50	MO-205E/AJ
BGA 18.50 x 18.50 x 1.50 (12 x 12) CBGA	18.50	18.50	6.00	18.50	18.50	5.60	1.50	0.75	MO-156B/BAE
BGA 18.50 x 18.50 x 1.00 (17 x 17) CBGA	18.50	18.50	6.00	18.50	18.50	5.70	1.00	0.70	MO-156B/ACE
BGA 18.50 x 18.50 x 1.00 (17 x 17) CBGA	18.50	18.50	6.00	18.50	18.50	5.50	1.00	0.60	MO-156B/BCE
BGA 18.50 x 18.50 x 1.27 (14 x 14) CBGA	18.50	18.50	6.00	18.50	18.50	5.90	1.27	0.89	MO-156B/ABE
BGA 18.50 x 18.50 x 1.27 (14 x 14) CBGA	18.50	18.50	6.00	18.50	18.50	5.60	1.27	0.75	MO-156B/BBD
BGA 18.50 x 18.50 x 1.50 (12 x 12) CBGA	18.50	18.50	6.00	18.50	18.50	5.60	1.50	0.75	MO-156B/BAE
BGA 18.50 x 18.50 x 1.50 (12 x 12) CBGA	18.50	18.50	6.00	18.50	18.50	5.90	1.50	0.89	MO-156B/AAE
BGA 18.50 x 21 x 1.00 (17 x 20) CBGA-A	18.50	21.00	6.00	18.50	21.00	5.40	1.00	0.70	MO-157/ACA

Device	A	B	K	Body			Lead	Ball	JEDEC
				A1	B1	K1	Pitch	Dia	
BGA 18.50 x 21 x 1.00 (17 x 20) CBGA-B	18.50	21.00	6.00	18.50	21.00	5.64	1.00	0.60	MO-157/BCA
BGA 18.50 x 21 x 1.27 (14 x 16) CBGA-A	18.50	21.00	6.00	18.50	21.00	5.20	1.27	0.89	MO-157/ABA
BGA 18.50 x 21 x 1.27 (14 x 16) CBGA-B	18.50	21.00	6.00	18.50	21.00	5.50	1.27	0.75	MO-157/BBA
BGA 18.50 x 21.00 x 1.50 (12 x 14) CBGA	18.50	21.00	6.00	18.50	21.00	5.20	1.50	0.89	MO-157/AAA
BGA 18.50 x 21.00 x 1.50 (12 x 14) CBGA	18.50	21.00	6.00	18.50	21.00	5.50	1.50	0.75	MO-157/BAA
BGA 19 x 19 x 1.00 (17 x 17)	19.00	19.00	3.50	19.00	19.00	3.20	1.00		MS-034
BGA 19 x 19 x 1.00 (17 x 17) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.00		MO-149
BGA 19 x 19 x 1.00 (18 x 18)	19.00	19.00	2.00	19.00	19.00	1.50	1.00		MS-034
BGA 19 x 19 x 1.00 (18 x 18) CBGA x A	19.00	19.00	6.00	19.00	19.00	5.70	1.00	0.70	MO-156B/ACF
BGA 19 x 19 x 1.00 (18 x 18) CBGA x B	19.00	19.00	6.00	19.00	19.00	5.50	1.00	0.60	MO-156B/BCF
BGA 19 x 19 x 1.00 (18 x 18) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.00		MO-149
BGA 19 x 19 x 1.27 (13 x 13)	19.00	19.00	3.50	19.00	19.00	3.20	1.27		MS-034
BGA 19 x 19 x 1.27 (14 x 14)	19.00	19.00	3.50	19.00	19.00	3.20	1.27		MS-034
BGA 19 x 19 x 1.27 (14 x 14) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.27		MO-149
BGA 19 x 19 x 1.27 (15 x 15) CBGA x A	19.00	19.00	6.00	19.00	19.00	5.90	1.27	0.89	MO-156B/ABF
BGA 19 x 19 x 1.27 (15 x 15) CBGA x B	19.00	19.00	6.00	19.00	19.00	5.60	1.27	0.75	MO-156B/BBF
BGA 19 x 19 x 1.27 (15 x 15) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.27		MO-149
BGA 19 x 19 x 1.50 (11 x 11) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.50		MO-149
BGA 19 x 19 x 1.50 (12 x 12) CBGA x A	19.00	19.00	6.00	19.00	19.00	5.90	1.50	0.89	MO-156B/AAF
BGA 19 x 19 x 1.50 (12 x 12) CBGA x B	19.00	19.00	6.00	19.00	19.00	5.60	1.50	0.75	MO-156B/BAF
BGA 19 x 19 x 1.50 (12 x 12) TBGA	19.00	19.00	3.40	19.00	19.00	2.95	1.50		MO-149
BGA 19.00 x 19.00 x 0.50 (36 x 36) FBGA	19.00	19.00	1.20	19.00	19.00	1.00	0.50	0.30	MO-195B/BR
BGA 19.00 x 19.00 x 0.50 (37 x 37) FBGA	19.00	19.00	1.20	19.00	19.00	1.00	0.50		MO-195B/AR
BGA 19.00 x 19.00 x 1.50 (17 x 17)	19.00	19.00	2.00	19.00	19.00	1.50	1.00	0.60	MS-034, AAG-1
BGA 20.00 x 20.00 x 0.50 (38 x 38) FBGA	20.00	20.00	1.20	20.00	20.00	1.00	0.50	0.30	MO-195B/BT
BGA 20.00 x 20.00 x 0.50 (39 x 39) FBGA	20.00	20.00	1.20	20.00	20.00	1.00	0.50		MO-195B /AT
BGA 20.00 x 20.00 x 0.80 (23 x 23) FBGA	20.00	20.00	1.70	20.00	20.00	1.45	0.80	0.50	MO-205E/BK
BGA 20.00 x 20.00 x 0.80 (24 x 24) FBGA	20.00	20.00	1.70	20.00	20.00	1.45	0.80	0.50	MO-205E/AK
BGA 21 x 21 x 1.00 (19 x 19)	21.00	21.00	3.50	21.00	21.00	3.20	1.00		MS-034
BGA 21 x 21 x 1.00 (19 x 19) CBGA x B	21.00	21.00	6.00	21.00	21.00	5.50	1.00	0.60	MO-156B/BCG
BGA 21 x 21 x 1.00 (19 x 19) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.00		MO-149
BGA 21 x 21 x 1.00 (20 x 20)	21.00	21.00	3.50	21.00	21.00	3.20	1.00		MS-034
BGA 21 x 21 x 1.00 (20 x 20) CBGA x A	21.00	21.00	6.00	21.00	21.00	5.70	1.00	0.70	MO-156/ACG
BGA 21 x 21 x 1.00 (20 x 20) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.00		MO-149
BGA 21 x 21 x 1.27 (15 x 15)	21.00	21.00	3.50	21.00	21.00	3.20	1.27		MS-034
BGA 21 x 21 x 1.27 (15 x 15) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.27		MO-149
BGA 21 x 21 x 1.27 (16 x 16)	21.00	21.00	3.50	21.00	21.00	3.20	1.27		MS-034
BGA 21 x 21 x 1.27 (16 x 16) CBGA x A	21.00	21.00	6.00	21.00	21.00	5.90	1.27	0.89	MO-156B/ABG
BGA 21 x 21 x 1.27 (16 x 16) CBGA x B	21.00	21.00	6.00	21.00	21.00	5.60	1.27	0.75	MO-156B/BBG
BGA 21 x 21 x 1.27 (16 x 16) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.27		MO-149
BGA 21 x 21 x 1.27 (18 x 18)	21.00	21.00	3.50	21.00	21.00	3.20	1.27		MS-034

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
BGA 21 x 21 x 1.50 (13 x 13) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.50		MO-149
BGA 21 x 21 x 1.50 (14 x 14) CBGA x A	21.00	21.00	6.00	21.00	21.00	5.90	1.50	0.89	MO-156B/AAG
BGA 21 x 21 x 1.50 (14 x 14) CBGA x B	21.00	21.00	6.00	21.00	21.00	5.60	1.50	0.75	MO-156B/BAG
BGA 21 x 21 x 1.50 (14 x 14) TBGA	21.00	21.00	3.40	21.00	21.00	2.95	1.50		MO-149
BGA 21 x 25 x 1.00 (20 x 24) CBGA x A	21.00	25.00	6.00	21.00	25.00	5.40	1.00	0.70	MO-157/ACB
BGA 21 x 25 x 1.00 (20 x 24) CBGA x B	21.00	25.00	6.00	21.00	25.00	5.60	1.00	0.60	MO-157/BCB
BGA 21 x 25 x 1.27 (11 x 19)	21.00	25.00	3.50	21.00	25.00	3.00	1.27		MS-028
BGA 21 x 25 x 1.27 (16 x 19) CBGA x A	21.00	25.00	6.00	21.00	25.00	5.20	1.27	0.89	MO-157/ABB
BGA 21 x 25 x 1.27 (16 x 19) CBGA x B	21.00	25.00	6.00	21.00	25.00	5.50	1.27	0.75	MO-157/BBB
BGA 21 x 25 x 1.50 (14 x 16) CBGA x A	21.00	25.00	6.00	21.00	25.00	5.20	1.50	0.89	MO-157/AAB
BGA 21 x 25 x 1.50 (14 x 16) CBGA x B	21.00	25.00	6.00	21.00	25.00	5.50	1.50	0.75	MO-157/BAB
BGA 21.00 x 21.00 x 0.50 (40 x 40) FBGA	21.00	21.00	1.20	21.00	21.00	1.00	0.50	0.30	MO-195B/BU
BGA 21.00 x 21.00 x 0.50 (41 x 41) FBGA	21.00	21.00	1.20	21.00	21.00	1.00	0.50		MO-195B/AU
BGA 21.00 x 21.00 x 1.50 (14 x 14) CBGA	21.00	21.00	6.00	21.00	21.00	5.60	1.50	0.75	MO-156B/BAG
BGA 22.00 x 22.00 x 0.80 (26 x 26) FBGA	22.00	22.00	1.70	22.00	22.00	1.45	0.80	0.50	MO-205E/BL
BGA 22.00 x 22.00 x 0.80 (27 x 27) FBGA	22.00	22.00	1.70	22.00	22.00	1.45	0.80	0.50	MO-205E/AL
BGA 23 x 23 x 1.00 (21 x 21)	23.00	23.00	3.50	23.00	23.00	3.20	1.00		MS-034
BGA 23 x 23 x 1.00 (21 x 21) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.00		MO-149
BGA 23 x 23 x 1.00 (22 x 22)	23.00	23.00	3.50	23.00	23.00	3.20	1.00		MS-034
BGA 23 x 23 x 1.00 (22 x 22) CBGA x A	23.00	23.00	6.00	23.00	23.00	5.70	1.00	0.70	MO-156B/ACH
BGA 23 x 23 x 1.00 (22 x 22) CBGA x B	23.00	23.00	6.00	23.00	23.00	5.50	1.00	0.60	MO-156B/BCH
BGA 23 x 23 x 1.00 (22 x 22) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.00		MO-149
BGA 23 x 23 x 1.27 (17 x 17)	23.00	23.00	3.50	23.00	23.00	3.20	1.27		MS-034
BGA 23 x 23 x 1.27 (17 x 17) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.27		MO-149
BGA 23 x 23 x 1.27 (18 x 18)	23.00	23.00	3.50	23.00	23.00	3.20	1.27		MS-034
BGA 23 x 23 x 1.27 (18 x 18) CBGA x A	23.00	23.00	6.00	23.00	23.00	5.90	1.27	0.89	MO-156B/ABH
BGA 23 x 23 x 1.27 (18 x 18) CBGA x B	23.00	23.00	6.00	23.00	23.00	5.60	1.27	0.75	MO-156B/BBH
BGA 23 x 23 x 1.27 (18 x 18) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.27		MO-149
BGA 23 x 23 x 1.50 (14 x 14) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.50		MO-149
BGA 23 x 23 x 1.50 (15 x 15) CBGA x A	23.00	23.00	6.00	23.00	23.00	5.90	1.50	0.89	MO-156B/AAH
BGA 23 x 23 x 1.50 (15 x 15) CBGA x B	23.00	23.00	6.00	23.00	23.00	5.60	1.50	0.75	MO-156B/BAH
BGA 23 x 23 x 1.50 (15 x 15) TBGA	23.00	23.00	3.40	23.00	23.00	2.95	1.50		MO-149
BGA 25 x 25 x 1.00 (19 x 19)	25.00	25.00	3.50	25.00	25.00	3.20	1.00		MS-034
BGA 25 x 25 x 1.00 (23 x 23)	25.00	25.00	3.50	25.00	25.00	3.20	1.00		MS-034
BGA 25 x 25 x 1.00 (23 x 23) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.00		MO-149
BGA 25 x 25 x 1.00 (24 x 24)	25.00	25.00	3.50	25.00	25.00	3.20	1.00		MS-034
BGA 25 x 25 x 1.00 (24 x 24) CBGA x A	25.00	25.00	6.00	25.00	25.00	5.70	1.00	0.70	MO-156B/ACJ
BGA 25 x 25 x 1.00 (24 x 24) CBGA x B	25.00	25.00	6.00	25.00	25.00	5.50	1.00	0.60	MO-156B/BCJ
BGA 25 x 25 x 1.00 (24 x 24) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.00		MO-149
BGA 25 x 25 x 1.27 (18 x 18)	25.00	25.00	3.50	25.00	25.00	3.20	1.27		MS-034
BGA 25 x 25 x 1.27 (18 x 18) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.27		MO-149

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
BGA 25 x 25 x 1.27 (19 x 19)	25.00	25.00	3.50	25.00	25.00	3.20	1.27		MS-034
BGA 25 x 25 x 1.27 (19 x 19) CBGA x A	25.00	25.00	6.00	25.00	25.00	5.90	1.27	0.89	MO-156B/ABJ
BGA 25 x 25 x 1.27 (19 x 19) CBGA x B	25.00	25.00	6.00	25.00	25.00	5.60	1.27	0.75	MO-156B/BBJ
BGA 25 x 25 x 1.27 (19 x 19) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.27		MO-149
BGA 25 x 25 x 1.50 (15 x 15) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.50		MO-149
BGA 25 x 25 x 1.50 (16 x 16) CBGA x A	25.00	25.00	6.00	25.00	25.00	5.90	1.50	0.89	MO-156B/AAJ
BGA 25 x 25 x 1.50 (16 x 16) CBGA x B	25.00	25.00	6.00	25.00	25.00	5.60	1.50	0.75	MO-156B/BAJ
BGA 25 x 25 x 1.50 (16 x 16) TBGA	25.00	25.00	3.40	25.00	25.00	2.95	1.50		MO-149
BGA 25 x 32.50 x 1.00 (24 x 31) CBGA x A	25.00	32.50	25.00	32.50	5.40	1.00	0.70		MO-157/ACC
BGA 25 x 32.50 x 1.00 (24 x 31) CBGA x B	25.00	32.50	6.00	25.00	32.50	5.60	1.00	0.60	MO-157/BCC
BGA 25 x 32.50 x 1.27 (19 x 25) CBGA x A	25.00	32.50	6.00	25.00	32.50	5.20	1.27	0.89	MO-157/ABC
BGA 25 x 32.50 x 1.27 (19 x 25) CBGA x B	25.00	32.50	6.00	25.00	32.50	5.50	1.27	0.75	MO-157/BBC
BGA 25 x 32.50 x 1.50 (16 x 21) CBGA x A	25.00	32.50	6.00	25.00	32.50	5.20	1.50	0.89	MO-157/AAC
BGA 25 x 32.50 x 1.50 (16 x 21) CBGA x B	25.00	32.50	6.00	25.00	32.50	5.50	1.50	0.75	MO-157/BAC
BGA 27 x 27 x 1.00 (25 x 25)	27.00	27.00	3.50	27.00	27.00	3.20	1.00		MS-034
BGA 27 x 27 x 1.00 (25 x 25) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.00		MO-149
BGA 27 x 27 x 1.00 (26 x 26)	27.00	27.00	3.50	27.00	27.00	3.20	1.00		MS-034
BGA 27 x 27 x 1.00 (26 x 26) CBGA x A	27.00	27.00	6.00	27.00	27.00	5.70	1.00	0.70	MO-156B/ACK
BGA 27 x 27 x 1.00 (26 x 26) CBGA x B	27.00	27.00	6.00	27.00	27.00	5.50	1.00	0.60	MO-156B/BCK
BGA 27 x 27 x 1.00 (26 x 26) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.00		MO-149
BGA 27 x 27 x 1.27 (20 x 20)	27.00	27.00	3.50	27.00	27.00	3.20	1.27		MS-034
BGA 27 x 27 x 1.27 (20 x 20) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.27		MO-149
BGA 27 x 27 x 1.27 (21 x 21)	27.00	27.00	3.50	27.00	27.00	3.20	1.27		MS-034
BGA 27 x 27 x 1.27 (21 x 21) CBGA x A	27.00	27.00	6.00	27.00	27.00	5.90	1.27	1.27	MO-156B/ABK
BGA 27 x 27 x 1.27 (21 x 21) CBGA x B	27.00	27.00	6.00	27.00	27.00	5.60	1.27	0.75	MO-156B/BBK
BGA 27 x 27 x 1.27 (21 x 21) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.27		MO-149
BGA 27 x 27 x 1.50 (17 x 17) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.50		MO-149
BGA 27 x 27 x 1.50 (18 x 18) CBGA x A	27.00	27.00	6.00	27.00	27.00	5.90	1.50	0.89	MO-156B/AAK
BGA 27 x 27 x 1.50 (18 x 18) CBGA x B	27.00	27.00	6.00	27.00	27.00	5.60	1.50	0.75	MO-156B/BAK
BGA 27 x 27 x 1.50 (18 x 18) TBGA	27.00	27.00	3.40	27.00	27.00	2.95	1.50		MO-149
BGA 29 x 29 x 1.00 (20 x 20)	29.00	29.00	3.50	29.00	29.00	3.20	1.00		MS-034
BGA 29 x 29 x 1.00 (27 x 27)	29.00	29.00	3.50	29.00	29.00	3.20	1.00		MS-034
BGA 29 x 29 x 1.00 (27 x 27) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.00		MO-149
BGA 29 x 29 x 1.00 (28 x 28)	29.00	29.00	3.50	29.00	29.00	3.20	1.00		MS-034
BGA 29 x 29 x 1.00 (28 x 28) CBGA x A	29.00	29.00	6.00	29.00	29.00	5.70	1.00	0.70	MO-156B/ACL
BGA 29 x 29 x 1.00 (28 x 28) CBGA x B	29.00	29.00	6.00	29.00	29.00	5.50	1.00	0.60	MO-156B/BCL
BGA 29 x 29 x 1.00 (28 x 28) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.00		MO-149
BGA 29 x 29 x 1.27 (21 x 21)	29.00	29.00	3.50	29.00	29.00	3.20	1.27		MS-034
BGA 29 x 29 x 1.27 (21 x 21) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.27		MO-149
BGA 29 x 29 x 1.27 (22 x 22)	29.00	29.00	3.50	29.00	29.00	3.20	1.27		MS-034
BGA 29 x 29 x 1.27 (22 x 22) CBGA x A	29.00	29.00	6.00	29.00	29.00	5.90	1.27	0.89	MO-156B/ABL

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
BGA 29 x 29 x 1.27 (22 x 22) CBGA x B	29.00	29.00	6.00	29.00	29.00	5.60	1.27	0.75	MO-156B/BBL
BGA 29 x 29 x 1.27 (22 x 22) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.27		MO-149
BGA 29 x 29 x 1.50 (18 x 18) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.50		MO-149
BGA 29 x 29 x 1.50 (19 x 19) CBGA x A	29.00	29.00	6.00	29.00	29.00	5.90	1.50	0.89	MO-156B/AAL
BGA 29 x 29 x 1.50 (19 x 19) CBGA x B	29.00	29.00	6.00	29.00	29.00	5.60	1.50	0.75	MO-156B/BAL
BGA 29 x 29 x 1.50 (19 x 19) TBGA	29.00	29.00	3.40	29.00	29.00	2.95	1.50		MO-149
BGA 31 x 31 x 1.00 (29 x 29)	31.00	31.00	3.50	31.00	31.00	3.20	1.00		MS-024
BGA 31 x 31 x 1.00 (29 x 29) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.00		MO-149
BGA 31 x 31 x 1.00 (30 x 30)	31.00	31.00	3.50	31.00	31.00	3.20	1.00		MS-034
BGA 31 x 31 x 1.00 (30 x 30) CBGA x A	31.00	31.00	6.00	31.00	31.00	5.70	1.00	0.70	MO-156B/ACM
BGA 31 x 31 x 1.00 (30 x 30) CBGA x B	31.00	31.00	6.00	31.00	31.00	5.50	1.00	0.60	MO-156B/BCM
BGA 31 x 31 x 1.00 (30 x 30) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.00		MO-149
BGA 31 x 31 x 1.27 (23 x 23)	31.00	31.00	3.50	31.00	31.00	3.20	1.27		MS-034
BGA 31 x 31 x 1.27 (23 x 23) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.27		MO-149
BGA 31 x 31 x 1.27 (24 x 24)	31.00	31.00	3.50	31.00	31.00	3.20	1.27		MS-034
BGA 31 x 31 x 1.27 (24 x 24) CBGA x A	31.00	31.00	6.00	31.00	31.00	5.90	1.27	0.89	MO-156B/ABM
BGA 31 x 31 x 1.27 (24 x 24) CBGA x B	31.00	31.00	6.00	31.00	31.00	5.60	1.27	0.75	MO-156B/BBM
BGA 31 x 31 x 1.27 (24 x 24) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.27		MO-149
BGA 31 x 31 x 1.50 (19 x 19) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.50		MO-149
BGA 31 x 31 x 1.50 (20 x 20) CBGA x A	31.00	31.00	6.00	31.00	31.00	5.90	1.50	0.89	MO-156B/AAM
BGA 31 x 31 x 1.50 (20 x 20) CBGA x B	31.00	31.00	6.00	31.00	31.00	5.60	1.50	0.75	MO-156B/BAM
BGA 31 x 31 x 1.50 (20 x 20) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.50		MO-149
BGA 32.50 x 32.50 x 1.27 (25 x 25) CBGA	32.50	32.50	6.00	32.50	32.50	5.90	1.27	0.89	MO-156B/ABN
BGA 32.50 x 32.50 x 1.27(25 x 25) CBGA	32.50	32.50	6.00	32.50	32.50	5.60	1.27	0.75	MO-156B/BBN
BGA 32.50 x 32.50 x 1.50 (21 x 21) CBGA	32.50	32.50	6.00	32.50	32.50	5.90	1.50	0.89	MO-156B/AAN
BGA 32.50 x 32.50 x 1.50(21 x 21) CBGA	32.50	32.50	6.00	32.50	32.50	5.60	1.50	0.75	MO-156B/BAN
BGA 33 x 33 x 1.0 (32 x 32)	33.00	33.00	1.20	33.00	33.00	1.20	1.00		MS-034
BGA 33 x 33 x 1.00 (31 x 31)	33.00	33.00	3.50	33.00	33.00	3.20	1.00		MS-034
BGA 33 x 33 x 1.00 (31 x 31) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.00		MO-149
BGA 33 x 33 x 1.00 (32 x 32) CBGA x A	33.00	33.00	6.00	33.00	33.00	5.70	1.00	0.70	MO-156B/CAN
BGA 33 x 33 x 1.00 (32 x 32) CBGA x B	33.00	33.00	6.00	33.00	33.00	5.50	1.00	0.60	MO-156B/BCN
BGA 33 x 33 x 1.00 (32 x 32) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.00		MO-149
BGA 33 x 33 x 1.27 (24 x 24)	33.00	33.00	3.50	33.00	33.00	3.20	1.27		MS-034
BGA 33 x 33 x 1.27 (25 x 25)	33.00	33.00	3.50	33.00	33.00	3.20	1.27		MS-034
BGA 33 x 33 x 1.27 (25 x 25) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.27		MO-149
BGA 33 x 33 x 1.27 (26 x 26) CBGA x A	33.00	33.00	6.00	33.00	33.00	5.90	1.27	0.89	MO-156B/ABP
BGA 33 x 33 x 1.27 (26 x 26) CBGA x B	33.00	33.00	6.00	33.00	33.00	5.60	1.27	0.75	MO-156B/BBP
BGA 33 x 33 x 1.27 (26 x 26) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.27		MO-149
BGA 33 x 33 x 1.50 (21 x 21) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.50		MO-149
BGA 33 x 33 x 1.50 (22 x 22) CBGA x	33.00	33.00	6.00	33.00	33.00	5.60	1.50	0.75	MO-156B/BAP
BGA 33 x 33 x 1.50 (22 x 22) CBGA x A	33.00	33.00	6.00	33.00	33.00	5.90	1.50	0.89	MO-156B/AAP

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
BGA 33 x 33 x 1.50 (22 x 22) TBGA	33.00	33.00	3.40	33.00	33.00	2.95	1.50		MO-149
BGA 35 x 35 (352 x 1.27) eBGA	35.00	35.00	35.00	35.00		1.27			
BGA 35 x 35 (420 x 1.27) eBGA	35.00	35.00	35.00	35.00		1.27			
BGA 35 x 35 x 1.00 (33 x 33)	35.00	35.00	3.50	35.00	35.00	3.20	1.00		MS-034
BGA 35 x 35 x 1.00 (33 x 33) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.00		MO-149
BGA 35 x 35 x 1.00 (34 x 34)	35.00	35.00	3.50	35.00	35.00	3.20	1.00		MS-034
BGA 35 x 35 x 1.00 (34 x 34) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.00		MO-149
BGA 35 x 35 x 1.27 (26 x 26)	35.00	35.00	3.50	35.00	35.00	3.20	1.27		MS-034
BGA 35 x 35 x 1.27 (26 x 26) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.27		MO-149
BGA 35 x 35 x 1.27 (27 x 27)	35.00	35.00	3.50	35.00	35.00	3.20	1.27		MS-034
BGA 35 x 35 x 1.27 (27 x 27) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.27		MO-149
BGA 35 x 35 x 1.27 (32 x 32)	35.00	35.00	3.50	35.00	35.00	3.20	1.27		MS-034
BGA 35 x 35 x 1.50 (22 x 22) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.50		MO-149
BGA 35 x 35 x 1.50 (23 x 23) TBGA	35.00	35.00	3.40	35.00	35.00	2.95	1.50		MO-149
BGA 37.5 x 37.5 x 1.00 (37 x 37)	37.50	37.50	3.50	37.50	37.50	3.20	1.00		MS-034
BGA 37.5 x 37.5 x 2.30 (37 x 37)	37.50	37.50	2.30	37.50	37.50	2.00	1.00		MS-034
BGA 37.50 x 37.50 micro FCBGA	37.50	37.50	2.52	37.50	37.50	1.92	1.27		
BGA 37.50 x 37.50 x 1.00 (36 x 36)	37.50	37.50	3.50	37.50	37.50	3.20	1.00		MS-034
BGA 37.50 x 37.50 x 1.00 (36 x 36) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.00		MO-149
BGA 37.50 x 37.50 x 1.00 (37 x 37) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.00		MO-149
BGA 37.50 x 37.50 x 1.27 (28 x 28)	37.50	37.50	3.50	37.50	37.50	3.20	1.27		MS-034
BGA 37.50 x 37.50 x 1.27 (28 x 28) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.27		MO-149
BGA 37.50 x 37.50 x 1.27 (29 x 29)	37.50	37.50	3.50	37.50	37.50	3.20	1.27		MS-034
BGA 37.50 x 37.50 x 1.27 (29 x 29) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.27		MO-149
BGA 37.50 x 37.50 x 1.50 (24 x 24) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.50		MO-149
BGA 37.50 x 37.50 x 1.50 (25 x 25) TBGA	37.50	37.50	3.40	37.50	37.50	2.95	1.50		MO-149
BGA 40 x 40 (576 x 1.27) eBGA	40.00	40.00	40.00	40.00		1.27			
BGA 40 x 40 (660 x 1.00) eBGA	40.00	40.00	40.00	40.00		1.00			
BGA 40 x 40 (792 x 1.00) eBGA	40.00	40.00	40.00	40.00		1.00			
BGA 40 x 40 (896 x 1.00) eBGA	40.00	40.00	40.00	40.00		1.00			
BGA 40 x 40 x 1.00 (38 x 38)	40.00	40.00	3.50	40.00	40.00	3.20	1.00		MS-034
BGA 40 x 40 x 1.00 (38 x 38) TBGA	40.00	40.00	3.40	40.00	40.00	2.95	1.00		MO-149
BGA 40 x 40 x 1.00 (39 x 39)	40.00	40.00	3.50	40.00	40.00	3.20	1.00		MS-034
BGA 40 x 40 x 1.00 (39 x 39) TBGA	40.00	40.00	3.40	40.00	40.00	2.95	1.00		MO-149
BGA 40 x 40 x 1.27 (30 x 30)	40.00	40.00	3.50	40.00	40.00	3.20	1.27		MS-034
BGA 40 x 40 x 1.27 (30 x 30) TBGA	40.00	40.00	3.40	40.00	40.00	2.95	1.27		MO-149
BGA 40 x 40 x 1.27 (31 x 31)	40.00	40.00	3.50	40.00	40.00	3.20	1.27		MS-034
BGA 40 x 40 x 1.27 (31 x 31) TBGA	31.00	31.00	3.40	31.00	31.00	2.95	1.27		MO-149
BGA 40 x 40 x 1.50 (25 x 25) TBGA	40.00	40.00	3.40	40.00	40.00	2.95	1.50		MO-149
BGA 40 x 40 x 1.50 (26 x 26) TBGA	40.00	40.00	3.40	40.00	40.00	2.95	1.50		MO-149
BGA 42.5 x 42.5 x 1.00 (42 x 42)	42.50	42.50	3.50	42.50	42.50	3.20	1.00		MS-034

Device	A	B	K	Body			Lead	Ball	JEDEC
				A1	B1	K1	Pitch	Dia	
BGA 42.50 x 42.50 x 1.00 (41 x 41)	42.50	42.50	3.50	42.50	42.50	3.20	1.00		MS-034
BGA 42.50 x 42.50 x 1.00 (41 x 41) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.00		MO-149
BGA 42.50 x 42.50 x 1.00 (42 x 42) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.00		MO-149
BGA 42.50 x 42.50 x 1.27 (32 x 32)	42.50	42.50	3.50	42.50	42.50	3.20	1.27		MS-034
BGA 42.50 x 42.50 x 1.27 (32 x 32) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.27		MO-149
BGA 42.50 x 42.50 x 1.27 (33 x 33)	42.50	42.50	3.50	42.50	42.50	3.20	1.27		MS-034
BGA 42.50 x 42.50 x 1.27 (33 x 33) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.27		MO-149
BGA 42.50 x 42.50 x 1.50 (27 x 27) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.50		MO-149
BGA 42.50 x 42.50 x 1.50 (28 x 28) TBGA	42.50	42.50	3.40	42.50	42.50	2.95	1.50		MO-149
BGA 45 x 45 (672 x 1.27) eBGA	45.00	45.00		45.00	45.00		1.27		
BGA 45 x 45 x 1.00 (43 x 43)	45.00	45.00	3.50	45.00	45.00	3.20	1.00		MS-034
BGA 45 x 45 x 1.00 (43 x 43) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.00		MO-149
BGA 45 x 45 x 1.00 (44 x 44)	45.00	45.00	3.50	45.00	45.00	3.20	1.00		MS-034
BGA 45 x 45 x 1.00 (44 x 44) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.00		MO-149
BGA 45 x 45 x 1.27 (34 x 34)	45.00	45.00	3.50	45.00	45.00	3.20	1.27		MS-034
BGA 45 x 45 x 1.27 (34 x 34) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.27		MO-149
BGA 45 x 45 x 1.27 (35 x 35)	45.00	45.00	3.50	45.00	45.00	3.20	1.27		MS-034
BGA 45 x 45 x 1.27 (35 x 35) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.27		MO-149
BGA 45 x 45 x 1.50 (29 x 29) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.50		MO-149
BGA 45 x 45 x 1.50 (30 x 30) TBGA	45.00	45.00	3.40	45.00	45.00	2.95	1.50		MO-149
BGA 47.5 x 47.5 x 1.0 (47 x 47)	47.50	47.50	3.50	47.50	47.50	3.20	1.00		MS-034
BGA 47.50 x 47.50 x 1.00 (46 x 46)	47.50	47.50	3.50	47.50	47.50	3.20	1.00		MS-034
BGA 47.50 x 47.50 x 1.00 (46 x 46) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.00		MO-149
BGA 47.50 x 47.50 x 1.00 (47 x 47) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.00		MO-149
BGA 47.50 x 47.50 x 1.27 (36 x 36)	47.50	47.50	3.50	47.50	47.50	3.20	1.27		MS-034
BGA 47.50 x 47.50 x 1.27 (36 x 36) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.27		MO-149
BGA 47.50 x 47.50 x 1.27 (37 x 37)	47.50	47.50	3.50	47.50	47.50	3.20	1.27		MS-034
BGA 47.50 x 47.50 x 1.27 (37 x 37) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.27		MO-149
BGA 47.50 x 47.50 x 1.50 (30 x 30) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.50		MO-149
BGA 47.50 x 47.50 x 1.50 (31 x 31) TBGA	47.50	47.50	3.40	47.50	47.50	2.95	1.50		MO-149
BGA 50 x 50 x 1.0 (49 x 49)	50.00	50.00	3.50	50.00	50.00	3.20	1.00		MS-034
BGA 50 x 50 x 1.00 (48 x 48)	50.00	50.00	3.50	50.00	50.00	3.20	1.00		MS-034
BGA 50 x 50 x 1.00 (48 x 48) TBGA	50.00	50.00	3.40	50.00	50.00	2.95	1.00		MO-149
BGA 50 x 50 x 1.00 (49 x 49) TBGA	50.00	50.00	50.00	50.00	50.00	50.00	1.00		MO-149
BGA 50 x 50 x 1.27 (38 x 38)	50.00	50.00	3.50	50.00	50.00	3.20	1.27		MS-034
BGA 50 x 50 x 1.27 (38 x 38) TBGA	50.00	50.00	3.40	50.00	50.00	2.95	1.27		MO-149
BGA 50 x 50 x 1.27 (39 x 39)	50.00	50.00	3.50	50.00	50.00	3.20	1.27		MS-034
BGA 50 x 50 x 1.27 (39 x 39) TBGA	50.00	50.00	3.40	50.00	50.00	2.95	1.27		MO-149
BGA 50 x 50 x 1.50 (32 x 32) TBGA	50.00	50.00	3.40	50.00	50.00	2.95	1.50		MO-149
BGA 50 x 50 x 1.50 (33 x 33) TBGA	50.00	50.00	3.40	50.00	50.00	2.95	1.50		MO-149
CCGA-25.00x32.50-1.00 (23x30)	25.00	32.50	7.40	25.00	32.50	7.20	1.00		MO-159B/CA-2

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
CCGA-25.00x32.50-1.00 (24x31)	25.00	32.50	7.40	25.00	32.50	7.20	1.00		MO-159B/CA-1
CCGA-25.00x32.50-1.27 (18x24)	25.00	32.50	7.40	25.00	32.50	7.20	1.27		MO-159B/BA-2
CCGA-25.00x32.50-1.27 (19x25)	25.00	32.50	7.40	25.00	32.50	7.20	1.27		MO-159B /BA-1
CCGA-25.00x32.50-1.50 (15x20)	25.00	32.50	7.40	25.00	32.50	7.20	1.50		MO-159B/AA-2
CCGA-25.00x32.50-1.50 (16x22)	25.00	32.50	7.40	25.00	32.50	7.20	1.50		MO-159B /AA-1
CCGA-25x25-1.0 (24x24)	25.00	25.00	7.40	25.00	25.00	7.20	1.00		MO-158C/CA-1
CCGA-25x25-1.00 (23x23)	25.00	25.00	7.40	25.00	25.00	7.20	1.00		MO-158C/CA-2
CCGA-25x25-1.27 (18x18)	25.00	25.00	7.40	25.00	25.00	7.20	1.27		MO-158C/BA-2
CCGA-25x25-1.27 (19x19)	25.00	25.00	7.40	25.00	25.00	7.20	1.27		MO-158C/BA-1
CCGA-25x25-1.50 (15x15)	25.00	25.00	7.40	25.00	25.00	7.20	1.50		MO-158C/AA-2
CCGA-25x25-1.50 (16x16)	25.00	25.00	7.40	25.00	25.00	7.20	1.50		M-158C/AA-1
CCGA-27x27-1.00 (25x25)	27.00	27.00	7.40	27.00	27.00	7.20	1.00		MO-158C/CB-2
CCGA-27x27-1.00 (26x26)	27.00	27.00	7.40	27.00	27.00	7.20	1.00		MO-158C/CB-1
CCGA-27x27-1.27 (20x20)	27.00	27.00	7.40	27.00	27.00	7.20	1.27		MO-158C/BB-2
CCGA-27x27-1.27 (21x21)	27.00	27.00	7.40	27.00	27.00	7.20	1.27		MO-158C /BB-1
CCGA-27x27-1.50 (17x17)	27.00	27.00	7.40	27.00	27.00	7.20	1.50		MO-158C/AB-2
CCGA-27x27-1.50 (18x18)	27.00	27.00	7.40	27.00	27.00	7.20	1.50		MO-158C/AB-1
CCGA-29x29-1.00 (27x27)	29.00	29.00	7.40	29.00	29.00	7.20	1.00		MO-158C/CC-2
CCGA-29x29-1.00 (28x28)	29.00	29.00	7.40	29.00	29.00	7.20	1.00		MO-158C/CC-1
CCGA-29x29-1.27 (21x21)	29.00	29.00	7.40	29.00	29.00	7.20	1.27		MO-158C/BC-2
CCGA-29x29-1.27 (22x22)	29.00	29.00	7.40	29.00	29.00	7.20	1.27		MO-158C/BC-1
CCGA-29x29-1.50 (18x18)	29.00	29.00	7.40	29.00	29.00	7.20	1.50		MO-158C/AC-1
CCGA-29x29-1.50 (19x19)	29.00	29.00	7.40	29.00	29.00	7.20	1.50		MO-158C/AC-1
CCGA-31x31-1.00 (29x29)	31.00	31.00	7.40	31.00	31.00	7.20	1.00		MO-158C/CD-2
CCGA-31x31-1.00 (30x30)	31.00	31.00	7.40	31.00	31.00	7.20	1.00		MO-158C/CD-1
CCGA-31x31-1.27 (23x23)	31.00	31.00	7.40	31.00	31.00	7.20	1.27		MO-158C/BD-2
CCGA-31x31-1.27 (24x24)	31.00	31.00	7.40	31.00	31.00	7.20	1.27		MO-158C/BD-1
CCGA-31x31-1.50 (19x19)	31.00	31.00	7.40	31.00	31.00	7.20	1.50		MO-158C/AD-1
CCGA-31x31-1.50 (20x20)	31.00	31.00	7.40	31.00	31.00	7.20	1.50		MO-158C/AD-1
CCGA-32.50x32.50-1.00 (30x30)	32.50	32.50	7.40	32.50	32.50	7.20	1.00		MO-158C/CE-2
CCGA-32.50x32.50-1.00 (31x31)	32.50	32.50	7.40	32.50	32.50	7.20	1.00		MO-158C/CE-1
CCGA-32.50x32.50-1.27 (24x24)	32.50	32.50	7.40	32.50	32.50	7.20	1.27		MO-158C/BE-2
CCGA-32.50x32.50-1.27 (25x25)	32.50	32.50	7.40	32.50	32.50	7.20	1.27		MO-158C/BE-1
CCGA-32.50x32.50-1.50 (20x20)	32.50	32.50	7.40	32.50	32.50	7.20	1.50		MO-158C/AE-2
CCGA-32.50x32.50-1.50 (21x21)	32.50	32.50	7.40	32.50	32.50	7.20	1.50		MO-158C/AE-1
CCGA-32.50x42.50-1.00 (30x41)	32.50	42.50	7.40	32.50	42.50	7.20	1.00		MO-159B/CB-2
CCGA-32.50x42.50-1.00 (31x42)	32.50	42.50	7.40	32.50	42.50	7.20	1.00		MO-159B/CB-1
CCGA-32.50x42.50-1.27 (24x32)	32.50	42.50	7.40	32.50	42.50	7.20			MO-159B
CCGA-32.50x42.50-1.27 (25x33)	32.50	42.50	7.40	32.50	42.50	7.20	1.27		MO-159B /BB-1
CCGA-32.50x42.50-1.50 (20x27)	32.50	42.50	1.50	32.50	42.50	1.50	1.50		MO-159B/AB-2
CCGA-32.50x42.50-1.50 (21x28)	32.50	42.50	7.40	32.50	42.50	7.20	1.50		MO-159B /AB-1

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
CCGA-33x33-1.00 (31x31)	33.00	33.00	7.40	33.00	33.00	7.20	1.00		MO-158C/CF-2
CCGA-33x33-1.00 (32x32)	33.00	33.00	7.40	33.00	33.00	7.20	1.00		MO-158C/CF-1
CCGA-33x33-1.27 (24x24)	33.00	33.00	7.40	33.00	33.00	7.20	1.27		MO-158C/BF-2
CCGA-33x33-1.27 (25x25)	33.00	33.00	7.40	33.00	33.00	7.20	1.27		MO-158C/BF-1
CCGA-33x33-1.50 (21x21)	33.00	33.00	7.40	33.00	33.00	7.20	1.50		MO-158C/AF-2
CCGA-33x33-1.50 (22x22)	33.00	33.00	7.40	33.00	33.00	7.20	1.50		MO-158C/AF-1
CCGA-35x35-1.00 (33x33)	35.00	35.00	7.40	35.00	35.00	7.20	1.00		MO-158C/CG-2
CCGA-35x35-1.00 (34x34)	35.00	35.00	7.40	35.00	35.00	7.20	1.00		MO-158C/CG-1
CCGA-35x35-1.27 (26x26)	35.00	35.00	7.40	35.00	35.00	7.20	1.27		MO-158C/BG-2
CCGA-35x35-1.27 (27x27)	35.00	35.00	7.40	35.00	35.00	7.20	1.27		MO-158C/BG-1
CCGA-35x35-1.50 (22x22)	35.00	35.00	7.40	35.00	35.00	7.20	1.50		MO-158CAG-2
CCGA-35x35-1.50 (23x23)	35.00	35.00	7.40	35.00	35.00	7.20	1.50		MO-158C/AG-1
CCGA-37.50x37.50-1.00 (36x36)	37.50	37.50	7.40	37.50	37.50	7.20	1.00		MO-158C/CH-2
CCGA-37.50x37.50-1.00 (37x37)	37.50	37.50	7.40	37.50	37.50	7.20	1.00		MO-158C/CH-1
CCGA-37.50x37.50-1.27 (28x28)	37.50	37.50	7.40	37.50	37.50	7.20	1.27		MO-158C/BH-2
CCGA-37.50x37.50-1.27 (29x29)	37.50	37.50	7.40	37.50	37.50	7.20	1.27		MO-158C/BH-1
CCGA-37.50x37.50-1.50 (24x24)	37.50	37.50	7.40	37.50	37.50	7.20	1.50		MO-158C/AH-2
CCGA-37.50x37.50-1.50 (25x25)	37.50	37.50	7.40	37.50	37.50	7.20	1.50		MO-158C/AH-1
CCGA-40x40-1.00 (38x38)	40.00	40.00	7.40	40.00	40.00	7.20	1.00		MO-158C/CJ-2
CCGA-40x40-1.00 (39x39)	40.00	40.00	7.40	40.00	40.00	7.20	1.00		MO-158C/CJ-1
CCGA-40x40-1.27 (30x30)	40.00	40.00	7.40	40.00	40.00	7.20	1.27		MO-158C/BJ-2
CCGA-40x40-1.27 (31x31)	40.00	40.00	7.40	40.00	40.00	7.20	1.27		MO-158C/BJ-1
CCGA-40x40-1.50 (25x25)	40.00	40.00	7.40	40.00	40.00	7.20	1.50		MO-158C/AJ-2
CCGA-40x40-1.50 (26x26)	40.00	40.00	7.40	40.00	40.00	7.20	1.50		MO-158C/AJ-1
CCGA-42.50x42.50-1.00 (41x41)	42.50	42.50	7.40	42.50	42.50	7.20	1.00		MO-158C/CK-2
CCGA-42.50x42.50-1.00 (42x42)	42.50	42.50	7.40	42.50	42.50	7.20	1.00		MO-158C/CK-1
CCGA-42.50x42.50-1.27 (32x32)	42.50	42.50	7.40	42.50	42.50	7.20	1.27		MO-158C/BK-2
CCGA-42.50x42.50-1.27 (33x33)	42.50	42.50	7.40	42.50	42.50	7.20	1.27		MO-158C/BK-1
CCGA-42.50x42.50-1.50 (27x27)	42.50	42.50	7.40	42.50	42.50	7.20	1.50		MO-158C/AK-2
CCGA-42.50x42.50-1.50 (28x28)	42.50	42.50	7.40	42.50	42.50	7.20	1.50		MO-158C/AK-1
CCGA-43.50x43.50-1.27 (33x33)	43.50	43.50	7.40	43.50	43.50	7.20	1.27		MO-158C/BM-2
CCGA-43.50x43.50-1.27 (34x34)	43.50	43.50	7.40	43.50	43.50	7.20	1.27		MO-158C/BM-1
CCGA-45x45-1.00 (43x43)	45.00	45.00	7.40	45.00	45.00	7.20	1.00		MO-158C/CL-2
CCGA-45x45-1.00 (44x44)	45.00	45.00	7.40	45.00	45.00	7.20	1.00		MO-158C/CL-1
CCGA-45x45-1.27 (34x34)	45.00	45.00	7.40	45.00	45.00	7.20	1.27		MO-158C/BL-2
CCGA-45x45-1.27 (35x35)	45.00	45.00	7.40	45.00	45.00	7.20	1.27		MO-158C/BL-1
CCGA-45x45-1.50 (29x29)	45.00	45.00	7.40	45.00	45.00	7.20	1.50		MO-158C/AL-2
CCGA-45x45-1.50 (30x30)	45.00	45.00	7.40	45.00	45.00	7.20	1.50		MO-158C/AL-1
CERQUAD068-12.19x12.19-4.17	17.27	17.27	4.92	12.19	12.19	4.17	0.64		MO-082/AA
CERQUAD084-14.74x14.74-4.17	19.81	19.81	4.92	14.74	14.74	4.17	0.64		MO-082/AB
CERQUAD100-17.28x17.28-4.17	22.36	22.36	4.92	17.28	17.28	4.17	0.64		MO-084/AD

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
CERQUAD100-32.52x32.52-4.17	37.59	37.59	4.92	32.52	32.52	4.17	1.27		MO-084/AF
CERQUAD132-22.36x22.36-4.17	27.43	27.43	4.92	22.36	22.36	4.17	0.64		MO-082/AD
CERQUAD164-27.44x27.44-4.17	32.51	32.51	4.92	27.44	27.44	4.17	0.64		MO-082/AE
CERQUAD196-32.52x32.52-4.17	37.59	37.59	4.92	32.52	32.52	4.17	0.64		MO-082/AF
CERQUAD-28	12.45	12.45	4.37	11.43	11.43	2.54	1.27		MO-087B/AA
CERQUAD36-12.19x12.19-4.17	17.27	17.27	4.92	12.19	12.19	4.17	1.27		MO-084/AA
CERQUAD-44	17.53	17.53	4.37	16.51	16.51	2.54	1.27		MO-087B/AB
CERQUAD44-14.74x14.74-4.17	19.81	19.81	4.92	14.74	14.74	4.17	1.27		MO-084/AB
CERQUAD-52	20.07	20.07	4.37	19.05	19.05	2.54	1.27		MO-087B/AC
CERQUAD52-17.28x17.28-4.17	22.36	22.36	4.92	17.28	17.28	4.17	1.27		MO-084/AC
CERQUAD-68	25.15	25.15	4.37	24.13	24.13	2.54	1.27		MO-087C/AD
CERQUAD68-22.36x22.36-4.17	27.43	27.43	4.92	22.36	22.36	4.17	1.27		MO-084/AD
CERQUAD-84	30.23	30.23	4.37	29.21	29.21	2.54	1.27		MO-087/AE
CERQUAD84-27.44x27.44-4.17	32.51	32.51	4.92	27.44	27.44	4.17	1.27		MO-84/AE
CLCC-16	6.04	6.04	1.90	6.04	6.04	1.90	1.02		MS-014A/AA
CLCC-20	8.45	8.45	1.90	8.45	8.45	1.90	1.02		MS-014A/AB
CLCC-24	8.96	8.96	1.90	8.96	8.96	1.90	1.02		MS-014A/AC
CLCC-32	10.74	10.74	1.90	10.74	10.74	1.90	1.02		MS-014A/AD
CLCC-40	12.28	12.28	1.90	12.28	12.28	1.90	1.02		MS-014A/AE
CLCC-48	14.30	14.30	2.03	14.30	14.30	2.03	1.02		MS-014A/AF
CLCC-64	18.35	18.35	2.03	18.35	18.35	2.03	1.02		MS-014A/AG
CLCC-84	23.46	23.46	2.03	23.46	23.46	2.03	1.02		MS-014A/AH
CLCC-96	26.49	26.49		26.49	26.49		1.02		MS-014A/AJ
CSOJ-28	10.92	18.54	4.32	10.54	18.54	2.29	1.27		MO-147A/AA
D2Pak	10.03	15.25	4.45	10.03	9.14	4.45	2.54		TO-263/AB
D3Pak	15.95	18.90	5.00	15.95	15.00	5.00	5.45		TO-268/AA
DFN-04, 01.50 x 01.00 x 0.80 (T2)	1.00	1.50	0.80	1.00	1.50	0.75	0.50		MO-229B/WBAD
DFN-04, 01.50 x 01.00 x 1.00 (T2)	1.00	1.50	1.00	1.00	1.50	0.95	0.50		MO-229B/VBAD
DFN-04, 01.50 x 01.50 x 0.80	1.50	1.50	0.80	1.50	1.50	0.75	0.50		MO-229B/WBBD
DFN-04, 01.50 x 01.50 x 1.00	1.50	1.50	1.00	1.50	1.50	0.95	0.50		MO-229B/VBBD
DFN-04, 02.00 x 01.00 x 1.00 (T2)	1.00	2.00	1.00	1.00	2.00	0.95	0.50		MO-229B/VCAD-1
DFN-04, 02.00 x 01.50 x 0.80 (T2)	1.50	2.00	0.80	1.50	2.00	0.75	0.50		MO-229B/WCBD-1
DFN-04, 02.00 x 01.50 x 1.00 (T2)	1.50	2.00	1.00	1.50	2.00	0.95	0.50		MO-229BVCBD-1
DFN-04, 02.00 x 02.00 x 0.80	2.00	2.00	0.80	2.00	2.00	0.75	0.50		MO-229/WCCD-1
DFN-04, 02.00 x 02.00 x 1.00	2.00	2.00	1.00	2.00	2.00	0.95	0.50		MO-229B/VCCD-1
DFN-04, 02.50 x 02.00 x 0.80 (T1)	2.00	2.50	0.80	2.00	2.50	0.75	0.80		MO-229B/WCDB
DFN-04, 02.50 x 02.00 x 0.80 (T2)	2.00	2.50	0.80	2.00	2.50	0.75	0.50		MO-229B-WDCD-1
DFN-04, 02.50 x 02.00 x 1.00 (T1)	2.00	2.50	1.00	2.00	2.50	0.95	0.80		MO-229B/VCDB
DFN-04, 02.50 x 02.00 x 1.00 (T2)	2.00	2.50	1.00	2.00	2.50	0.95	0.50		MO-229B/VDCD-1
DFN-06, 02.00 x 01.00 x 1.00 (T2)	1.00	2.00	1.00	1.00	2.00	0.95	0.50		MO-229B/VCAD-2
DFN-06, 02.00 x 01.50 x 0.80 (T2)	1.50	2.00	0.80	1.50	2.00	0.75	0.50		MO-229B/WCBD-2

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
DFN-06, 02.00 x 01.50 x 1.00 (T2)	1.50	2.00	1.00	1.50	2.00	0.95	0.10		MO-229B/VCBD-2
DFN-06, 02.00 x 02.00 x 0.80B	2.00	2.00	0.80	2.00	2.00	0.75	0.50		MO-229B/WCCD-2
DFN-06, 02.00 x 02.00 x 1.00A	2.00	2.00	1.00	2.00	2.00	0.95	0.65		MO-229/VCCC
DFN-06, 02.00 x 02.00 x 1.00B	2.00	2.00	1.00	2.00	2.00	0.95	0.50		MO-229B/VCCD
DFN-06, 02.50 x 01.50 x 0.80 (T2)	1.50	2.50	0.80	1.50	2.50	0.75	0.50		MO-229B/WDBD-1
DFN-06, 02.50 x 01.50 x 1.00 (T2)	1.50	2.50	1.00	1.50	2.50	0.95	0.50		MO-229B/VDBD-1
DFN-06, 02.50 x 02.00 x 0.80 (T1)	2.00	2.50	0.80	2.00	2.50	0.75	0.50		MO-229B/WCDD
DFN-06, 02.50 x 02.00 x 0.80 (T2)	2.00	2.50	0.80	2.00	2.50	0.75	0.50		MO-229B/WDCD-2
DFN-06, 02.50 x 02.00 x 1.00 (T1)	2.00	2.50	1.00	2.00	2.50	0.95	0.50		MO-229B/VCDD
DFN-06, 02.50 x 02.00 x 1.00 (T2)	2.00	2.50	1.00	2.00	2.50	0.95	0.50		MO-229B/VDCD-2
DFN-06, 02.50 x 02.50 x 0.80A	2.50	2.50	0.80	2.50	2.50	0.75	0.80		MO-229B/WDDB
DFN-06, 02.50 x 02.50 x 0.80B	2.50	2.50	0.80	2.50	2.50	0.75	0.50		MO-229B/WDDD-1
DFN-06, 02.50 x 02.50 x 1.00A	2.50	2.50	1.00	2.50	2.50	0.95	0.80		MO-229B/VDDB
DFN-06, 02.50 x 02.50 x 1.00B	2.50	2.50	1.00	2.50	2.50	0.95	0.50		MO-229B/VDDD-1
DFN-06, 03.00 x 02.00 x 1.00 (T2)	2.00	3.00	1.00	2.00	3.00	0.95	0.95		MO-229B/VECA
DFN-06, 03.00 x 02.50 x 0.80 (T1)	2.50	3.00	0.80	2.50	3.00	0.75	0.80		MO-229B/WDEB
DFN-06, 03.00 x 02.50 x 1.00 (T1)	2.50	3.00	1.00	2.50	3.00	0.95	0.80		MO-229B/VDEB
DFN-06, 03.00 x 03.00 x 0.80B	3.00	3.00	0.80	3.00	3.00	0.75	0.80		MO-229B/WEEB
DFN-06, 03.00 x 03.00 x 1.00A	3.00	3.00	1.00	3.00	3.00	0.95	0.95		MO-229B/VEEA
DFN-06, 03.00 x 03.00 x 1.00B	3.00	3.00	1.00	3.00	3.00	0.95	0.80		MO-229B/VEEB
DFN-06, 03.60 x 02.10 x 0.80 (T2)	2.10	3.60	0.80	2.00	3.55	0.75	0.50		MO-229B/WCED
DFN-06, 04.00 x 03.00 x 0.80 (T1)	3.00	4.00	0.80	3.00	4.00	0.75	0.80		MO-229B/WEGB
DFN-06, 04.00 x 03.00 x 1.00 (T1)	3.00	4.00	1.00	3.00	4.00	0.95	0.80		MO-229B/VEGB
DFN-08, 02.00 x 02.00 x 1.00	2.00	2.00	1.00	2.00	2.00	0.95	0.50		MO-229B/VCCD-3
DFN-08, 02.50 x 01.50 x 0.80 (T2)	1.50	2.50	0.80	1.50	2.50	0.75	0.50		MO-229B/WDBD-2
DFN-08, 02.50 x 01.50 x 1.00 (T2)	1.50	2.50	1.00	1.50	2.50	0.95	0.50		MO-229B/VDBD-1
DFN-08, 02.50 x 02.00 x 0.80 (T2)	2.00	2.50	0.80	2.00	2.50	0.75	0.50		MO-229B/WDCD-3
DFN-08, 02.50 x 02.00 x 1.00 (T2)	2.00	2.50	1.00	2.00	2.50	0.95	0.50		MO-229B/VDCD-3
DFN-08, 02.50 x 02.50 x 0.80	2.50	2.50	2.50	2.50	2.50	2.50	0.50		MO-229B/WDDD-2
DFN-08, 02.50 x 02.50 x 1.00	2.50	2.50	1.00	2.50	2.50	0.95	0.50		MO-229B/VDDD-2
DFN-08-3x1.5-0.8 (T2)	1.50	3.00	0.80	1.50	3.00	0.75	0.50		MO-229B/WEBD-1
DFN-08-3x1.5-1.0 (T2)	1.50	3.00	1.00	1.50	3.00	0.95	0.50		MO-229B/VEBD-1
DFN-08-3x2.5-0.8 (T1)	2.50	3.00	0.80	2.50	3.00	0.75	0.50		MO-229B/WDED
DFN-08-3x2.5-0.8 (T2)	2.50	3.00	0.80	2.50	3.00	0.75	0.50		MO-229B/WEDD-1
DFN-08-3x2.5-1.0 (T1)	2.50	3.00	1.00	2.50	3.00	0.95	0.50		MO-229B/VDED
DFN-08-3x2.5-1.0 (T2)	2.50	3.00	1.00	2.50	3.00	0.95	0.50		MO-229B/VEDD-1
DFN-08-3x2-0.8B (T2)	2.00	3.00	0.80	2.00	3.00	0.75	0.50		MO-229B/WECD-1
DFN-08-3x2-1.0A (T2)	2.00	3.00	1.00	2.00	3.00	0.95	0.65		MO-229B/VECC
DFN-08-3x2-1.0B (T2)	2.00	3.00	1.00	2.00	3.00	0.95	0.50		MO-229B/VECD-1
DFN-08-3x3-0.8B	3.00	3.00	0.80	3.00	3.00	0.75	0.50		MO-229B/WEED-1
DFN-08-3x3-1.0A	3.00	3.00	1.00	3.00	3.00	0.95	0.65		MO-229B/VEEC

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
DFN-08-3x3-1.0B	3.00	3.00	1.00	3.00	3.00	0.95	0.50		MO-229B/VEED-1
DFN-08-4x4-0.8	4.00	4.00	0.80	4.00	4.00	0.75	0.80		MO-229B/WGGB
DFN-08-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.80		MO-229B/VGGB
DFN-08-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.80		MO-229/WJJB
DFN-08-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.80		MO-229B/VJJB
DFN-10-3.5x2.5-0.8 (T2)	2.50	3.50	0.80	2.50	3.50	0.75	0.50		MO-229B/WFDD-1
DFN-10-3.5x2.5-1.0 (T2)	2.50	3.50	1.00	2.50	3.50	0.95	0.50		MO-229B/VFDD-1
DFN-10-3.5x3.5-0.8	3.50	3.50	0.80	3.50	3.50	0.75	0.50		MO-229B/WFFD-1
DFN-10-3.5x3.5-1.0	3.50	3.50	1.00	3.50	3.50	0.95	0.50		MO-229B/VFFD-1
DFN-10-3.5x3-0.8 (T2)	3.00	3.50	0.80	3.00	3.50	0.75	0.50		MO-229B/WFED-1
DFN-10-3.5x3-1.0 (T2)	3.00	3.50	1.00	3.00	3.50	0.95	0.50		MO-229B/VFED-1
DFN-10-3x1.5-0.8 (T2)	1.50	3.00	0.80	1.50	3.00	0.75	0.50		MO-229B/WEBD-2
DFN-10-3x1.5-1.0 (T2)	1.50	3.00	1.00	1.50	3.00	0.95	0.50		MO-229B/VEBD-2
DFN-10-3x2.5-0.8 (T2)	2.50	3.00	0.80	2.50	3.00	0.75	0.50		MO-229B/WEDD-2
DFN-10-3x2.5-1.0 (T2)	2.50	3.00	1.00	2.50	3.00	0.95	0.50		MO-229B/VEDD-2
DFN-10-3x2-0.8 (T2)	2.00	3.00	0.80	2.00	23.00	0.75	0.50		MO-229B/WECD-2
DFN-10-3x2-1.0 (T2)	2.00	3.00	1.00	2.00	3.00	0.95	0.50		MO-229B/VECD-2,3
DFN-10-3x3-0.8	3.10	3.10	0.80	3.00	3.00	0.75	0.50		MO-229B/WEED-2
DFN-10-3x3-1.0	3.00	3.00	1.00	3.00	3.00	0.95	0.50		MO-229B/VEED-2,3
DFN-10-4x3-0.8 (T1)	3.00	4.00	0.80	3.00	4.00	0.75	0.50		MO-229B/WEGB
DFN-10-4x3-0.8 (T2)	3.00	4.00	0.80	3.00	4.00	0.75	0.50		MO-229B/WGED-1
DFN-10-4x3-1.0 (T1)	3.00	4.00	1.00	3.00	4.00	0.95	0.50		MO-229B/VEGD
DFN-10-4x3-1.0 (T2)	3.00	4.00	1.00	3.00	4.00	0.95	0.50		MO-229B/VGED-1
DFN-10-4x4-0.8	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-229B/WGGD-1
DFN-10-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-229B/VGGD-1
DFN-10-5x4-0.8 (T1)	4.00	5.00	0.80	4.00	5.00	0.75	0.80		MO-229B/WGJB
DFN-12-3.5x2.5-0.8 (T2)	2.50	3.50	0.80	2.50	3.50	0.75	0.50		MO-229B/WFDD-2
DFN-12-3.5x2.5-1.0 (T2)	2.50	3.50	1.00	2.50	3.50	0.95	0.50		MO-229B/VFDD-2
DFN-12-3.5x3.5-0.8	3.50	3.50	0.80	3.50	3.50	0.75	0.50		MO-229B/WFFD-2
DFN-12-3.5x3.5-1.0	3.50	3.50	1.00	3.50	3.50	0.95	0.50		MO-229B/VFFD-2
DFN-12-3.5x3-0.8 (T2)	3.00	3.50	0.80	3.00	3.50	0.75	0.50		MO-229B/WFED-2
DFN-12-3.5x3-1.0 (T2)	3.00	3.50	1.00	3.00	3.50	0.95	0.50		MO-229B/VFED-2
DFN-12-4x3-0.8 (T2)	3.00	4.00	0.80	3.00	4.00	0.75	0.50		MO-229B/WGED-2
DFN-12-4x3-1.0 (T1)	3.00	4.00	1.00	3.00	4.00	0.95	0.50		MO-229B/VGED-2
DFN-12-4x4-0.8	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-229B/WGGD-2
DFN-12-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-229B/VGGD-2
DFN-14-4x3-0.8 (T2)	3.00	4.00	0.80	3.00	4.00	0.75	0.50		MO-229B/WGED-3
DFN-14-4x3-1.0 (T2)	3.00	4.00	1.00	3.00	4.00	0.95	0.50		MO-229B/VGED-3
DFN-14-4x4-0.8	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-229B/WGGD-3
DFN-14-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-229B/VGGD-3
DFN-14-5x4-0.8 (T1)	4.00	5.00	0.80	4.00	5.00	0.75	0.50		MO-229B/WGJD

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
DFN-14-5x4-0.8 (T2)	4.00	5.00	0.80	4.00	5.00	0.75	0.50		MO-229B/WJGD-1
DFN-14-5x4-1.0 (T2)	4.00	5.00	1.00	4.00	5.00	0.95	0.50		MO-229B/VJGD-1
DFN-14-5x4-1.0V(T1)	4.00	5.00	1.00	4.00	5.00	0.95			MO-229B/VGJD
DFN-16-5x3-0.8 (T2)	3.00	5.00	0.80	3.00	5.00	0.75	0.50		MO-229B/WJED-1
DFN-16-5x3-1.0 (T2)	3.00	5.00	1.00	3.00	5.00	0.95	0.50		MO-229B/VJED-1
DFN-16-5x4-0.8 (T2)	4.00	5.00	0.80	4.00	5.00	0.75	0.50		MO-229B/WJGD-2
DFN-16-5x4-1.0 (T2)	4.00	5.00	1.00	4.00	5.00	0.95	0.50		MO-229B/VJGD-2
DFN-16-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.50		MO-229B/WJJD-1
DFN-16-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.50		MO-229B/VJJD-1
DFN-18-5x3-0.8 (T2)	3.00	5.00	0.80	3.00	5.00	0.75	0.50		MO-229B/WJED-2
DFN-18-5x3-1.0 (T2)	3.00	5.00	1.00	3.00	5.00	0.95	0.50		MO-229B/VJED-2
DFN-18-5x4-0.8 (T2)	4.00	5.00	0.80	4.00	5.00	0.75	0.50		MO-229B/WJGD-3
DFN-18-5x4-1.0 (T2)	4.00	5.00	1.00	4.00	5.00	0.95	0.50		MO-229B/VJGD-3
DFN-18-5x50.8	5.00	5.00	0.80	5.00	5.00	0.75	0.50		MO-229B/WJJD-2
DFN-18-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.50		MO-229B/VJJD-2
DIPS-08	10.54	20.32	4.57	9.53	20.32	4.57	2.54		
DIPS-14	10.54	35.56	4.57	9.53	35.56	4.57	2.54		
DIPS-16	10.54	40.64	4.57	9.53	40.64	4.57	2.54		
DIPS-18	10.54	45.72	4.57	9.53	45.72	4.57	2.54		
DIPS-20	10.54	50.80	4.57	9.53	50.80	4.57	2.54		
D-Pak (Side) Right	9.91	6.54	2.28	6.10	6.54	2.28	2.28		TO-252/AA
D-Pak (Up)	6.54	9.91	2.28	6.54	6.10	2.28	2.28		TO-252/AA
FP-10 (6.10)	22.86	6.10	2.03	6.10	6.10	2.03	1.27		MS-033A/AA
FP-14 (6.35)	22.10	9.53	2.03	6.35	9.53	2.03	1.27		MS-033A/AB
FP-16 (15.24)	38.10	10.16	3.80	15.24	10.16	3.80	1.27		MO-021/AA
FP-16 (6.73)	23.50	9.91	2.03	6.73	9.91	2.03	1.27		MS-033A/AC
FP-20 (17.78)	36.83	17.78	2.54	17.78	17.78	2.54			MO-022/AB
FP-20 (6.73)	21.46	12.70	2.03	6.73	12.70	2.03	1.27		MS-033A/AD
FP-24 (15.24)	38.10	15.24	3.80	15.24	15.24	3.80	1.27		MO-021/AB
FP-24 (17.78)	34.29	19.05	3.05	17.78	19.05	3.05	1.27		MO-022/AC
FP-24 (9.40)	24.13	15.11	2.03	9.40	15.11	2.03	1.27		MS-033A/AE
FP-28 (17.78)	34.29	19.05	3.05	17.78	19.05	3.05	1.27		MO-022/AD
FP-28 (9.40)	25.15	18.29	2.03	9.40	18.29	2.03	1.27		MS-033A/AF
FP-36 (12.70A)	27.90	24.13	2.54	12.70	24.13	2.54	1.27		MO-20/AA
FP-36 (12.70B)	27.90	24.13	3.04	12.70	24.13	3.40	1.27		MO-20/AC
FP-36 (15.24)	38.10	22.86	3.80	15.24	22.86	3.80	1.27		MO-021/AC
FP-36 (22.86)	45.70	22.86	3.80	22.86	22.86	3.80	1.27		MO-023/AA
FP-40 (10.16)	30.40	19.56	2.54	10.16	19.56	2.54	0.89		MO-018/AA
FP-40 (12.70A)	27.90	26.67	2.54	12.70	26.67	2.54	1.27		MO-020/AB
FP-40 (12.70B)	27.90	26.67	2.54	12.70	26.67	2.54	1.27		MO-20/AD
FP-42 (17.78)	38.10	27.94	3.81	17.78	27.94	3.81	1.27		MO-022/AA

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
FP-50 (22.86)	45.70	33.02	3.80	22.86	33.02	3.80	1.27		MO-023/AB
HSSOP-10	14.10	9.50	3.70	9.40	9.50	3.50	1.27		MO-184B/AA
HSSOP-12	14.10	9.50	3.70	9.40	9.50	3.50	1.00		MO-184B/AC
HSSOP-16	14.10	9.50	3.70	9.40	9.50	3.50	0.80		MO-184B/AD
HSSOP-20A	14.20	15.90	3.60	11.00	15.90	3.15	1.27		MO-166D/AA
HSSOP-20B	14.10	9.50	3.70	9.40	9.50	3.50	0.65		MO-184B/AE
HSSOP-24	14.20	15.90	3.60	11.00	15.90	3.15	1.00		MO-166D/AC
HSSOP-30	14.20	15.90	3.60	11.00	15.90	3.15	0.80		MO-166D/AD
HSSOP-36	14.20	15.90	3.60	11.00	15.90	3.15	0.65		MO-166D/AE
HSSOP-44	14.20	15.90	3.60	11.00	15.90	3.15	0.65		MO-166D/AF
Inductor	27.34	20.74	10.32	20.74	20.74	10.07	2.12		
LCC(A)-028	11.43	11.43	3.04	11.43	11.43	3.04	1.27		MS-002A/AA
LCC(A)-044	16.51	16.51	3.04	16.51	16.51	3.04	1.27		MS002A/AB
LCC(A)-052	19.05	19.05	3.04	19.05	19.05	3.04	1.27		MS-002A/AC
LCC(A)-068	24.13	24.13	3.04	24.13	24.13	3.04	1.27		MS-002A/AD
LCC(A)-084	29.21	29.21	3.04	29.21	29.21	3.04	1.27		MS-002A/AE
LCC(A)-100	34.29	34.29	4.06	34.29	34.29	4.06	1.27		MS-002A/AF
LCC(A)-124	41.91	41.91	4.06	41.91	41.91	4.06	1.27		MS-002A/AG
LCC(A)-156	52.07	52.07	4.06	52.07	52.07	4.06	1.27		MS-002A/AH
LCC(B)-028	11.43	11.43	3.04	11.43	11.43	3.04	1.27		MS-003A/BA
LCC(B)-044	16.51	16.51	3.04	16.51	16.51	3.04	1.27		MS-003A/BB
LCC(B)-052	19.05	19.05	3.04	19.05	19.05	3.04	1.27		MS-003A/BC
LCC(B)-068	24.13	24.13	3.04	24.13	24.13	3.04	1.27		MS-003A/BD
LCC(B)-084	29.21	29.21	3.04	29.21	29.21	3.04	1.27		MS-003A/BE
LCC(B)-100	34.29	34.29	3.04	34.29	34.29	3.04	1.27		MS-003A/BF
LCC(B)-156	52.07	52.07	3.04	52.07	52.07	3.04	1.27		MS-003A/BH
LCC(C)-016	7.62	7.62	2.54	7.62	7.62	2.54	1.27		MS-004B/CA
LCC(C)-020	8.89	8.89	2.54	8.89	8.89	2.54	1.27		MS-004B/CB
LCC(C)-024	10.23	10.23	2.54	10.23	10.23	2.54	1.27		MS-004B/CH
LCC(C)-028	11.43	11.43	2.54	11.43	11.43	2.54	1.27		MS-004B/CC
LCC(C)-032	11.43	20.96	2.29	11.43	20.96	2.29	1.27		MS-004B/CZ
LCC(C)-044	16.51	16.51	3.04	16.51	16.51	3.04	1.27		MS-004B/CD
LCC(C)-052	18.04	18.04	3.04	18.04	18.04	3.04	1.27		MS-004B/CE
LCC(C)-068	24.13	24.13	3.04	24.13	24.13	3.04	1.27		MS-004B/CF
LCC(C)-084	29.21	29.21	3.04	29.21	29.21	3.04	1.27		MS-004B/CG
LCC(C)-124	41.91	41.91	3.04	41.91	41.91	3.04	1.27		MS-003A/BG
LCC(D)-028	11.43	11.43	2.03	11.43	11.43	2.03	1.27		MS-005A/DA
LCC(D)-044	16.51	16.51	2.03	16.51	16.51	2.03	1.27		MS-005A/DB
LCC(D)-052	19.05	19.05	2.03	19.05	19.05	2.03	1.27		MS-005A/DC
LCC(D)-068	24.13	24.13	2.03	24.13	24.13	2.03	1.27		MS-005A/DD
LCC(D)-084	29.21	29.21	2.03	29.21	29.21	2.03	1.27		MS-005A/DE

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
LCC(D)-100	34.29	34.29	2.41	34.29	34.29	2.41	1.27		MS-005A/DF
LCC(D)-124	41.91	41.91	2.41	41.91	41.91	2.41	1.27		MS-005A/DG
LCC(D)-156	52.07	52.07	2.41	52.07	52.07	2.41	1.27		MS-005A/DH
LGA-014	3.00	5.00	0.92	3.00	5.00	0.92	0.80		
LGA-066	9.00	15.00	2.30	9.00	15.00	2.30	1.27		MO-222
LGA-076	11.25	15.00	4.32	11.25	15.00	4.32			
LLCC-18	7.62	11.18	1.88	7.62	11.18	1.78			
LLCC-20	7.62	11.18	1.88	7.62	11.18	1.78			
LLCC-28	11.68	11.68	2.13	11.68	11.68	2.13			
LLCC-32	11.68	14.22	2.39	11.68	14.22	2.39			
LLCC-44	16.89	16.89	2.90	16.89	16.89	2.54			
LSOJ-28	11.15	18.40	2.05	10.15	18.40	1.05	1.27		MO-199B/AA
LSOJ-32	11.15	20.95	2.05	10.15	20.95	1.05	1.27		MO-199B/AB
LSOJ-36	11.15	23.50	2.05	10.15	23.50	1.02	1.27		MO-199B/AC
LSOJ-40	11.15	26.05	2.05	10.15	26.05	1.05	1.27		MO-199B/AD
LSOJ-42	11.15	27.30	2.05	10.15	27.30	1.05	1.27		MO-199B/AE
LSOJ-44 /A	11.15	28.60	2.05	10.15	28.60	1.05	1.27		MO-199B/AF
LSOJ-44 /B	11.15	18.40	2.05	10.15	18.40	1.05	0.80		MO-199B/AG
LSOJ-50	11.15	20.95	2.05	10.15	20.95	1.05	0.80		MO-199B/AH
LSOJ-54	11.15	22.25	2.05	10.15	22.25	1.05	0.80		MO-199B/AI
LSOJ-66	11.15	22.25	2.05	10.15	22.25	1.05	0.65		MO-199B/AK
LSOJ-70	10.15	28.60	2.05	10.15	28.60	1.05	0.80		MO-199B/AJ
LTCC	3.10	4.20	0.65	3.10	4.20	0.40			
LTCC	5.00	5.00	0.80	5.00	5.00	0.80			
MSOP-008 (2.30)	3.10	2.00	1.00	2.30	2.00	0.70	0.50		MO-187D/CA
MSOP-008 (2.80)	4.00	2.95	1.35	2.80	2.95	1.10	0.65		MO-187D/DA
MSOP-008 (3.00)	4.90	3.00	1.10	3.00	3.00	0.85	0.65		MO-187D/AA
MSOP-008 (3.90)	4.90	3.90	1.75	4.90	3.90	1.57	1.27		MS-012 AA
MSOP-010	4.90	3.00	1.10	3.00	3.00	0.85	0.50		MO-187D/BA
MSOP-012	4.90	4.04	1.10	3.00	4.04	0.85	0.65		MO-187 ???
OC-04	10.00	4.60	3.90	6.50	4.60	3.50	2.54		
OC-06	10.00	8.75	4.80	6.50	8.75	3.90	2.54		
OC-08	10.00	9.80	4.80	6.50	9.80	3.90	2.54		
OC-16	10.00	19.84	4.80	6.50	19.84	3.90	2.54		
Odd Form 16	15.85	28.53	5.65	12.10	28.40	5.52	2.00		
Odd-Form 24	9.54	9.36	2.75	9.54	9.36	2.75			
Odd-Form 32	6.00	20.77	4.54	6.00	20.77	4.54			
PQCC-018 /A	8.32	13.40	3.37	7.37	12.45	3.00	1.27		MS-016A/AB
PQCC-018 /B	8.18	11.74	3.37	7.24	10.80	3.00	1.27		MS-016A/AA
PQCC-020	9.91	9.91	4.37	8.97	8.94	3.86	1.27		MS-018A/AA
PQCC-022	8.32	13.40	3.37	7.37	12.45	3.00	1.27		MS-016A/AC

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
PQCC-028 /A	9.91	14.99	3.37	8.89	13.97	3.00	1.27		MS-016A/AD
PQCC-028 /B	12.45	12.45	4.37	11.51	11.51	3.86	1.27		MS-018A/AB
PQCC-032	12.45	15.00	3.37	11.43	14.00	3.00	1.27		MS-016A/AE
PQCC-044	17.53	17.53	4.37	16.59	16.59	3.86	1.27		MS-018A/AC
PQCC-052	20.01	20.01	4.37	19.13	19.13	3.86	1.27		MS-018A/AD
PQCC-068	25.15	25.15	4.37	24.23	24.23	3.86	1.27		MS-018A/AE
PQCC-084	30.23	30.23	4.37	29.31	29.31	3.86	1.27		MS-018A/AE
PQCC-100	35.31	35.31	4.37	34.39	34.39	3.86	1.27		MS-018A/AG
QFN	10.30	11.30	3.20	10.00	11.00	3.00			
QFN 01.50 x 02.00 x 0.40 (06-Lead)	1.50	2.00	0.40	1.50	2.00	0.35			MO-220G/HP-WFQFP-N
QFN 02.00 x 02.00 x 0.80 (08-Lead)	2.00	2.00	0.80	2.00	2.00	0.75			MO-220G/HP-WFQFP-N
QFN 02.00 x 02.00 x 1.00 (08-Lead)	2.00	2.00	1.00	2.00	2.00	0.95			MO-220G/HP-VQFP-N
QFN 02.00 x 02.50 x 0.85 (04-Lead)	2.10	2.60	1.00	2.00	2.50	0.85	1.50		
QFN 03.00 x 02.50 x 0.80 (D 14 pad)	2.50	3.00	0.80	2.50	3.00	0.75	0.50		MO-241B/WAA
QFN 03.00 x 02.50 x 1.00 (D 14 pad)	2.50	3.00	1.00	2.50	3.00	0.95	0.50		MO-241B/VAA
QFN 03.00 x 03.00 x 0.50 (08-Lead)	3.00	3.00	0.50	3.00	3.00	0.45	0.65		MO-248A/XEEC-1
QFN 03.00 x 03.00 x 0.50A (12-Lead)	3.00	3.00	0.50	3.00	3.00	0.45	0.65		MO-248A/XEEC
QFN 03.00 x 03.00 x 0.65 (08-Lead)	3.00	3.00	0.65	3.00	3.00	0.60	0.65		MO-248A/UEEC-1
QFN 03.00 x 03.00 x 0.80 (08-Lead)	3.00	3.00	0.65	3.00	3.00	0.75	0.65		MO-220G/WEEC
QFN 03.00 x 03.00 x 0.90 (16-Lead)	3.00	3.00	1.00	3.00	3.00	0.95	0.65		MO-220G/VEEC2,3
QFN 03.00 x 03.00 x 1.00 (08-Lead)	3.00	3.00	1.00	3.00	3.00	0.95	0.65		MO-220G/VEEC2,3
QFN 03.00 x 04.00 x 0.90 (20 Lead)	3.00	4.00	0.90				0.50		MO-220
QFN 03.50 x 02.50 x 0.80 (D 16 pad)	2.50	3.50	0.80	2.50	3.50	0.75	0.50		MO-241B/WAB
QFN 03.50 x 02.50 x 1.00 (D 16 pad)	2.50	3.50	1.00	2.50	3.50	0.95	0.50		MO-241B/VAB
QFN 03.50 x 03.50 x 1.00 (D 14 pad)	3.50	3.50	1.00	3.50	3.50	0.95	0.50		MO-241B/VBA
QFN 04.00 x 03.00 x 0.80 (08-Lead)	3.00	4.00	0.80	3.00	4.00	0.75	0.80		MO-220G/WGEB
QFN 04.00 x 03.00 x 1.00 (08-Lead)	3.00	4.00	1.00	3.00	4.00	0.95	0.80		MO-220G/VGEB
QFN 04.00 x 03.50 x 1.00 (D 16 pad)	3.50	4.00	1.00	3.50	4.00	0.95	0.50		MO-241B/VBB
QFN 04.00 x 04.00 x 0.90 (24 Lead)	4.00	4.00	0.90				0.50		MO-220
QFN 04.00 x 05.00 x 0.75 (28 LEAD)	4.00	5.00	0.75				0.50		MO-220
QFN 04.00 x 08.00 x 0.90 (40 Lead)	4.00	8.00	0.90				0.50		MO-220
QFN 04.50 x 02.50 x 0.80 (D 20 pad)	2.50	4.50	0.80	2.50	4.50	0.75	0.50		MO-241B/WAC
QFN 04.50 x 02.50 x 1.00 (D 20 pad)	2.50	4.50	1.00	2.50	4.50	0.95	0.50		MO-241B/VAC
QFN 04.50 x 03.50 x 1.00 (D 20 pad)	3.50	4.50	1.00	3.50	4.50	0.95	0.50		MO-241B/VBC
QFN 06.00 x 06.00 x 0.90 (40-Lead)	6.00	6.00	0.90	6.00	6.00	0.90	0.50		MO-220G/WJJD-2
QFN 07.00 x 07.00 x 1.00 (28-Lead)	7.00	7.00	1.00	7.00	7.00	0.95	0.80		MO-220G/VKKB
QFN 09.00 x 09.00 x 1.00 (64-Lead)	9.00	9.00	1.00	9.00	9.00	0.95	0.50		MO-220G/VMMD
QFN04	3.00	3.00	0.80	3.00	3.00	0.75	0.80		MO-220G/WEEB
QFN12-3.00 x 3.00 x 0.50B	3.00	3.00	0.50	3.00	3.00	0.45	0.50		MO-248A/XEED-2
QFN12-3.00 x 3.00 x 0.65A	3.00	3.00	0.65	3.00	3.00	0.60	0.65		MO-248A/UEEC
QFN12-3.00 x 3.00 x 0.65B	3.00	3.00	0.65	3.00	3.00	0.60	0.50		MO-248A/UEED-2

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFN12-3.00 x 3.00 x 0.8A	3.00	3.00	0.80	3.00	3.00	0.75	0.65		MO-220G/WEEC-1
QFN12-3.00 x 3.00 x 0.8B	3.00	3.00	0.80	3.00	3.00	0.75	0.50		MO-220G/WEED-1,5
QFN12-4x3.00 x 0.8	3.00	4.00	0.80	3.00	4.00	0.75	0.65		MO-220G/WGEC
QFN12-4x3.00 x 1.0	3.00	4.00	1.00	3.00	4.00	0.95	0.65		MO-220G/VGEC
QFN12-4x4-0.50	4.00	4.00	0.50	4.00	4.00	0.45	0.65		MO-248A/XGGC-2
QFN12-4x4-0.65	4.00	4.00	0.65	4.00	4.00	0.60	0.65		MO-248A/UGGC-2
QFN12-4x4-0.8A	4.00	4.00	0.80	4.00	4.00	0.75	0.80		MO-220G/WGGB
QFN12-4x4-0.8B	4.00	4.00	0.80	4.00	4.00	0.75	0.65		MO-220G/WGGC-1
QFN12-4x4-1.0A	4.00	4.00	1.00	4.00	4.00	0.95	0.80		MO-220G/VGGD
QFN12-4x4-1.0B	4.00	4.00	1.00	4.00	4.00	0.95	0.65		MO-220G/VGGC-1
QFN14-4x4-0.8A	4.00	4.00	0.80	4.00	4.00	0.75	0.80		MO-220G/WGGB-1
QFN14-4x4-0.8B	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-220G/WGGD-3
QFN14-5x4-0.8	4.00	5.00	0.80	4.00	5.00	0.75	0.80		MO-220G/WHGB
QFN14-5x4-1.0	4.00	5.00	1.00	4.00	5.00	0.95	0.80		MO-220G/VHGB
QFN16-3.00 x 3.00 x 0.50	3.00	3.00	0.50	3.00	3.00	0.45	0.50		MO-248A/XEED
QFN16-3.00 x 3.00 x 0.65	3.00	3.00	0.65	3.00	3.00	0.60	0.50		MO-248/UEED
QFN16-3.00 x 3.00 x 0.8	3.00	3.00	0.80	3.00	3.00	0.75	0.50		MO-220G/WEED-2,6
QFN16-3.00 x 3.00 x 1.0	3.00	3.00	1.00	3.00	3.00	0.95	0.50		MO-220G/VEED-2,4,6
QFN16-4x3.00 x 0.8	3.00	4.00	0.80	3.00	4.00	0.75	0.50		MO-220G/WGED
QFN16-4x3.00 x 1.0	3.00	4.00	1.00	3.00	4.00	0.95	0.50		MO-220G/VGED
QFN16-4x4-0.50	4.00	4.00	0.50	4.00	4.00	0.45	0.65		MO-248A/XGGC
QFN16-4x4-0.65	4.00	4.00	0.65	4.00	4.00	0.60	0.65		MO-248A/UGGC
QFN16-4x4-0.8A	4.00	4.00	0.80	4.00	4.00	0.75	0.65		MO-220G/WGGC
QFN16-4x4-0.8B	4.00	4.00	0.80	4.00	4.00	0.75	0.65		MO-220G/WGGC-3
QFN16-4x4-0.8C	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-220G/WGGD-4
QFN16-4x4-1.0A	4.00	4.00	1.00	4.00	4.00	0.95	0.65		MO-220G/VGGC
QFN16-4x4-1.0B	4.00	4.00	1.00	4.00	4.00	0.95	0.65		MO-220VGGC-2,3
QFN16-5x4-0.8	4.00	5.00	0.80	4.00	5.00	0.75	0.80		MO-220G/WHGB-1
QFN16-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.80		MO-220G/WHHB
QFN16-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.80		MO-220G/VHHB
QFN18-5x4-0.8	4.00	5.00	0.80	4.00	5.00	0.75	0.65		MO-220G/WHGC
QFN18-5x4-1.0	4.00	5.00	1.00	4.00	5.00	0.95	0.65		MO-220G/VHGC
QFN18-6x5-0.8	5.00	6.00	0.80	5.00	6.00	0.75	0.80		MO-220G/WJHB
QFN18-6x5-1.0	5.00	6.00	1.00	5.00	6.00	0.95	0.80		MO-220G/VJHB
QFN20-4x4-0.50	4.00	4.00	0.50	4.00	4.00	0.45	0.50		MO-248A/XGGD-2
QFN20-4x4-0.65	4.00	4.00	0.65	4.00	4.00	0.60	0.50		MO-248A/UGGD-2
QFN20-4x4-0.8	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-220G/WGGD-1
QFN20-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-220G/VGGD-1/VGGD-5
QFN20-5x5-0.50	5.00	5.00	0.50	5.00	5.00	0.45	0.65		MO-248A/XHHC-1
QFN20-5x5-0.65	5.00	5.00	0.65	5.00	5.00	0.60	0.65		MO-248A/UHHC-1
QFN20-5x5-0.8A	5.00	5.00	0.80	5.00	5.00	0.08	0.80		MO-220G/WHHB-1

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFN20-5x5-0.8B	5.00	5.00	0.80	5.00	5.00	0.75	0.65		MO-220G/WHHC
QFN20-5x5-1.0B	5.00	5.00	1.00	5.00	5.00	0.95	0.65		MO-220G/VHHC
QFN20-5x5-1.0C	5.00	5.00	1.00	5.00	5.00	0.95	0.65		MO220G/VHHC-2
QFN20-6x5-0.8	5.00	6.00	0.80	5.00	6.00	0.75	0.80		MO-220G/WJHB
QFN20-6x6-0.8	6.00	6.00	0.80	6.00	6.00	0.75	0.80		MO-220G/WJJB
QFN20-6x6-1.0	6.00	6.00	1.00	6.00	6.00	0.95	0.80		MO-220G/VJJB
QFN22-5x6-0.50	6.00	5.00	0.50	6.00	5.00	0.45	0.65		MO-248A/XHJC
QFN22-5x6-0.65	6.00	5.00	0.65	6.00	5.00	0.60	0.65		MO-248A/UHJC
QFN22-6x5-0.8	5.00	6.00	0.80	5.00	6.00	0.75	0.65		MO-220G/WJHC
QFN22-6x5-1.0	5.00	6.00	1.00	5.00	6.00	0.95	0.65		MO-220G/VJHC
QFN24-4x4-0.50	4.00	4.00	0.50	4.00	4.00	0.45	0.50		MO-248A/XGGD
QFN24-4x4-0.65	4.00	4.00	0.65	4.00	4.00	0.60	0.50		MO-248A/UGGD
QFN24-4x4-0.75	4.00	4.00	0.80	4.00	4.00	0.75	0.50		MO-248A/UGGD
QFN24-4x4-0.85	4.00	4.00	0.90	4.00	4.00	0.75	0.50		MO-220G/WGGD-2,8
QFN24-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-220G/VGGD-2,6,8
QFN24-4x5-0.50	5.00	4.00	0.50	5.00	4.00	0.45	0.50		MO-248A/XGHD
QFN24-4x5-0.65	5.00	4.00	0.65	5.00	4.00	0.60	0.50		MO-248A/UGHD-1
QFN24-4x5-0.8	5.00	4.00	0.80	5.00	4.00	0.75	0.50		MO-220G/WGHD-1
QFN24-4x5-1.00	5.00	4.00	1.00	5.00	4.00	0.95	0.50		MO-220G/VGHD-1/VGHD-2
QFN24-5x4-0.8	4.00	5.00	0.80	4.00	5.00	0.75	0.50		MO-220G/WHGD
QFN24-5x4-1.0	4.00	5.00	1.00	4.00	5.00	0.95	0.50		MO-220G/VHGD
QFN24-5X5-0.50	5.00	5.00	0.50	5.00	5.00	0.45	0.65		MO-248A/XHHC
QFN24-5x5-0.65	5.00	5.00	0.65	5.00	5.00	0.60	0.65		MO-248A/UHHL
QFN24-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.65		MO-220G/WHHC-1
QFN24-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.65		MO220G/VHHC-1
QFN24-6x6-0.50	6.00	6.00	0.50	6.00	6.00	0.45	0.65		MO-248A/XJJC-2
QFN24-6x6-0.65	6.00	6.00	0.65	6.00	6.00	0.60	0.65		MO-248A/UJJC-2
QFN24-6x6-0.8	6.00	6.00	0.80	6.00	6.00	0.75	0.80		MO-220G/WJJB-1
QFN24-6x6-0.8B	6.00	6.00	0.80	6.00	6.00	0.75	0.65		MO-220G/WJJC-1
QFN24-6x6-1.0B	6.00	6.00	1.00	6.00	6.00	0.95	0.65		MO-220G/VJJC-1
QFN28-4x4-1.0	4.00	4.00	1.00	4.00	4.00	0.95	0.50		MO-220G/VGGD-7
QFN28-4x5-0.5	5.00	4.00	0.50	5.00	4.00	0.45	0.50		MO-248A/XGHD-1
QFN28-4x5-0.65	5.00	4.00	0.65	5.00	4.00	0.60	0.50		MO-248A/UGHD
QFN28-4x5-0.8	5.10	4.10	0.80	5.00	4.00	0.75	0.50		MO-220G/WGHD
QFN28-4x5-1.0	5.00	4.00	1.00	5.00	4.00	0.95	0.50		MO-220G/VGHD/VGHD-3
QFN28-5x5-0.50	5.00	5.00	0.50	5.00	5.00	0.45	0.50		MO-248A/XHHD-2
QFN28-5x5-0.65	5.00	5.00	0.65	5.00	5.00	0.60	0.50		MO-248A/UHHD-2
QFN28-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.50		MO-220G/WHHD-1
QFN28-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.95	0.50		MO-220G/VHHD-1/VHHD-3
QFN28-6x6-0.50	6.00	6.00	0.50	6.00	6.00	0.45	0.65		MO-248A/XJJC-1
QFN28-6x6-0.65	6.00	6.00	0.90	6.00	6.00	0.88	0.65		MO-248A/UJJC-1

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFN28-6x6-0.8A	6.00	6.00	0.80	6.00	6.00	0.75	0.65		MO-220G/WJJC
QFN28-6x6-1.0A	6.00	6.00	1.00	6.00	6.00	0.95	0.65		MO-220G/VJJC
QFN28-6x6-1.0B	6.00	6.00	1.00	6.00	6.00	0.95	0.65		MO-220G/VJJC-3
QFN28-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.80		MO-220G/WKKB
QFN32-5x5-0.50	5.00	5.00	0.50	5.00	5.00	0.45	0.50		MO-248A/XHHD
QFN32-5x5-0.65	5.00	5.00	0.65	5.00	5.00	0.60	0.50		MO-248A/UHHD
QFN32-5x5-0.8	5.00	5.00	0.80	5.00	5.00	0.75	0.50		MO-220G/WHHD-2,5
QFN32-5x5-1.0	5.00	5.00	1.00	5.00	5.00	0.10	0.50		MO-220G/VHHD-2,4,5
QFN32-5x6-0.8	6.00	5.00	0.80	6.00	5.00	0.75	0.50		MO-220G/WHJD
QFN32-6x5-0.8	5.00	6.00	0.80	5.00	6.00	0.75	0.50		MO-220G/WJHD
QFN32-6x5-1.0	5.00	6.00	1.00	5.00	6.00	0.95	0.50		MO-220G/VJHD
QFN32-6x6-0.50	6.00	6.00	0.50	6.00	6.00	0.45	0.65		MO-248A/XJJC
QFN32-6x6-0.65	6.00	6.00	0.65	6.00	6.00	0.60	0.65		MO-248A/UJJC
QFN32-6x6-0.8A	6.00	6.00	0.80	6.00	6.00	0.75	0.65		MO-220G/WJJC-2
QFN32-6x6-0.8B	6.00	6.00	0.80	6.00	6.00	0.75	0.50		MO-220G/WJJD-7
QFN32-6x6-1.0A	6.00	6.00	1.00	6.00	6.00	0.95	0.65		MO-220G/VJJC-2
QFN32-7x7-0.50	7.00	7.00	0.50	7.00	7.00	0.45	0.65		MO-248A/XKKC-1
QFN32-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.65		MO-248A/UKKC-1
QFN32-7x7-0.8A	7.00	7.00	0.80	7.00	7.00	0.75	0.65		MO-220G/WKCC
QFN32-7x7-1.0A	7.00	7.00	1.00	7.00	7.00	0.95	0.65		MO-220G/VKCC
QFN32-7x7-1.0B	7.00	7.00	1.00	7.00	7.00	0.95	0.65		MO-220G/VKCC-2
QFN32-8x8-0.8	8.00	8.00	0.80	8.00	8.00	0.75	0.80		MO-220G/WLLB
QFN32-8x8-1.0	8.00	8.00	1.00	8.00	8.00	0.95	0.80		MO-220G/VLLB
QFN36-6x6-0.50	6.00	6.00	0.50	6.00	6.00	0.45	0.50		MO-248A/XJJD-2
QFN36-6x6-0.65	6.00	6.00	0.65	6.00	6.00	0.60	0.50		MO-248A/UJJD-2
QFN36-6x6-0.8	6.00	6.00	0.80	6.00	6.00	0.75	0.50		MO-220G/WJJD-1
QFN36-6x6-1.0	6.00	6.00	1.00	6.00	6.00	0.90	0.50		MO-220G/VJJD-1/VJJD-4
QFN36-7x7-0.50	7.00	7.00	0.50	7.00	7.00	0.45	0.50		MO-248A/XKCC
QFN36-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.65		MO-248A/UKCC
QFN36-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.65		MO-220G/WKCL-1
QFN36-7x7-1.0	7.00	7.00	1.00	7.00	7.00	0.95	0.65		MO-220G/VKCC-1
QFN36-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.65		MO-248A/XLLC-2
QFN36-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.65		MO-248A/ULLC-2
QFN36-8x8-0.8	8.00	8.00	0.80	8.00	8.00	0.75	0.65		MO-220G/WLLC-1
QFN36-8x8-1.0	8.00	8.00	1.00	8.00	8.00	0.95	0.65		MO-220G/VLLC-1
QFN36-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.80		MO-220G/WMMB
QFN38-5x7-0.50	7.00	5.00	0.50	7.00	5.00	0.45	0.50		MO-248A/XHKD
QFN38-5x7-0.65	7.00	5.00	0.65	7.00	5.00	0.60	0.50		MO-248A/UHKD
QFN38-6x6-0.8	6.00	6.00	0.80	6.00	6.00	0.75	0.50		MO-220G/WJJD-3
QFN40-6x6-0.50	6.00	6.00	0.50	6.00	6.00	0.45	0.50		MO-248A/XJJD
QFN40-6x6-0.65	6.00	6.00	0.65	6.00	6.00	0.60	0.50		MO-248A/UJJD

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFN40-6x6-1.0	6.00	6.00	1.00	6.00	6.00	0.95	0.50		MO-220G/VJJD-2/VJJD-5
QFN40-7x7-0.50	7.00	7.00	0.50	7.00	7.00	0.45	0.50		MO-248A/XKKD-3
QFN40-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.50		MO-248A/UKKD-3
QFN40-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-220G/WKKD
QFN40-7x7-1.0	7.00	7.00	1.00	7.00	7.00	0.95	0.50		MO-220G/VKKD
QFN40-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.65		MO-248A/XLLC-1
QFN40-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.65		MO-248A/ULLC-1
QFN40-8x8-0.8A	8.00	8.00	0.80	8.00	8.00	0.75	0.65		MO-220G/WLLC
QFN40-8x8-1.0A	8.00	8.00	1.00	8.00	8.00	0.95	0.65		MO-220G/VLLC
QFN40-8x8-1.0B	8.00	8.00	1.00	8.00	8.00	0.95	0.65		MO-220G/VLLC-3
QFN44-7x7-0.50	7.00	7.00	0.50	7.00	7.00	0.45	0.50		MO-248A/XKKD-2
QFN44-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.50		MO-248A/UKKD-2
QFN44-7x7-0.8A	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-220G/WKKD-1
QFN44-7x7-0.8C	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-220G/WKKD-5
QFN44-7x7-1.0A	7.00	7.00	1.00	7.00	7.00	0.95	0.50		MO-220G/VKKD-1
QFN44-7x7-1.0B	7.00	7.00	1.00	7.00	7.00	0.95	0.50		MO-220G/VKKD-3
QFN44-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.65		MO-248A/XLLC
QFN44-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.65		MO-248A/ULLC
QFN44-8x8-0.8	8.00	8.00	0.80	8.00	8.00	0.75	0.65		MO-220G/WLLC-2
QFN44-8x8-1.0	8.00	8.00	1.00	8.00	8.00	0.95	0.65		MO-220G/VLLC-2
QFN44-9x9-0.50	9.00	9.00	0.50	9.00	9.00	0.45	0.65		MO-248A/XMMC-1
QFN44-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.65		MO-248A/UMMC-1
QFN44-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.65		MO-220G/WMMC-1
QFN44-9x9-1.0	9.00	9.00	1.00	9.00	9.00	0.95	0.65		MO-220G/VMMC-1
QFN48-7x7-0.50	7.00	7.00	0.50	7.00	7.00	0.45	0.50		MO-248A/XKKD
QFN48-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.50		MO-248A/UKKD
QFN48-7x7-0.8A	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-220G/WKKD-2
QFN48-7x7-1.0A	7.00	7.00	1.00	7.00	7.00	0.90	0.50		MO-220G/VKKD-2
QFN48-7x7-1.0B	7.00	7.00	1.00	7.00	7.00	0.95	0.50		MO-220G/VKKD-4
QFN48-7x7-1.20	7.00	7.00	1.20	7.00	7.00	1.15	0.50		MO-208C/KKEA
QFN48-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.50		MO-248A/XLLD-2
QFN48-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.50		MO-248A/ULLD-2
QFN48-8x8-0.8A	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-220G/WLLD
QFN48-8x8-0.8B	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-220G/WLLD-3
QFN48-8x8-1.0A	8.00	8.00	1.00	8.00	8.00	0.95	0.50		MO-220G/VLLD
QFN48-9x9-0.50	9.00	9.00	0.50	9.00	9.00	0.45	0.65		MO-248A/XMMC
QFN48-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.65		MO-248A/UMMC
QFN48-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.65		MO-220G/WMMC
QFN48-9x9-1.0	9.00	9.00	1.00	9.00	9.00	0.95	0.65		MO-220G/VMMC
QFN52-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.50		MO-248A/XLLD-1
QFN52-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.50		MO-248A/ULLD-1

ORION TAPE & REEL® BRAND SERVICES FROM OX3.COM

OX3 Corporation, 9 Orion Park Drive, Ayer, MA 01432 Tel. (978) 772-2600 E-mail Sales@ox3.com

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFN52-8x8-0.8A	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-220G/WLLD-1
QFN52-8x8-1.0A	8.00	8.00	1.00	8.00	8.00	0.95	0.50		MO-220G/VLLD-1
QFN52-8x8-1.0B	8.00	8.00	1.00	8.00	8.00	0.95	0.50		MO-220G/VLLD-4
QFN56-8x8-0.50	8.00	8.00	0.50	8.00	8.00	0.45	0.50		MO-248A/XLLD
QFN56-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.50		MO-248A/ULLD
QFN56-8x8-0.8A	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-220G/WLLD-2
QFN56-8x8-1.0A	8.00	8.00	1.00	8.00	8.00	0.95	0.50		MO-220G/VLLD-2
QFN56-9x9-0.50	9.00	9.00	0.50	9.00	9.00	0.45	0.50		MO-248A/XMMD-2
QFN56-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.50		MO-248A/UMMD-2
QFN56-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.50		MO-220G/WMMD-2
QFN56-9x9-1.0	9.00	9.00	1.00	9.00	9.00	0.95	0.50		MO-220G/VMMD-2
QFN6 1x1	9.00	9.00	0.65	9.00	9.00	0.60	0.50		MO-247A/AUNNB
QFN60-9x9-0.50	9.00	9.00	0.50	9.00	9.00	0.45	0.50		MO-248A/XMMD-1
QFN60-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.50		MO-248A/UMMD-1
QFN60-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.50		MO220G/WMMD-1
QFN60-9x9-1.0	9.00	9.00	1.00	9.00	9.00	0.95	0.50		MO-220G/VMMD-1
QFN64-10x10-0.8	10.00	10.00	0.80	10.00	10.00	0.75	0.50		MO-220G/WNND-1
QFN64-10x10-1.0	10.00	10.00	1.00	10.00	10.00	0.95	0.50		MO-220G/VNND-1
QFN64-9x9-0.50	9.00	9.00	0.50	9.00	9.00	0.45	0.50		MO-248A/XMMD
QFN64-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.50		MO-248A/UMMD
QFN64-9x9-0.8	9.00	9.00	0.80	9.00	9.00	0.75	0.50		MO-220G/WMMD
QFN68-10x10-0.8	10.00	10.00	0.80	10.00	10.00	0.75	0.50		MO-220G/WNND-2
QFN68-10x10-1.0	10.00	10.00	1.00	10.00	10.00	0.95	0.50		MO-220G/VNND-2
QFN72-10x10-0.8	10.00	10.00	0.80	10.00	10.00	0.75	0.50		MO-220G/WNND-3
QFN72-10x10-1.00	10.00	10.00	1.00	10.00	10.00	0.95	0.50		MO-220G/VNND-3
QFP 04 x 04 x 1.00 (0.40)	6.00	6.00	1.20	4.00	4.00	1.00	0.40		MS-026/AKC
QFP 04 x 04 x 1.00 (0.50)	6.00	6.00	1.20	4.00	4.00	1.00	0.50		MS-026/AKB
QFP 04 x 04 x 1.00 (0.65)	6.00	6.00	1.20	4.00	4.00	1.00	0.65		MS-026D/AKA
QFP 04 x 04 x 1.40 (0.40)	6.00	6.00	1.60	4.00	4.00	1.40	0.40		MS-026/BKC
QFP 04 x 04 x 1.40 (0.50)	6.00	6.00	1.60	4.00	4.00	1.40	0.50		MS-026/BKB
QFP 04 x 04 x 1.40 (0.65)	6.00	6.00	1.60	4.00	4.00	1.40	0.65		MS-026/BKA
QFP 05 x 05 x 1.00 (0.40)	7.00	7.00	1.20	5.00	5.00	1.00	0.40		MS-026D/AAB
QFP 05 x 05 x 1.00 (0.50)	7.00	7.00	1.20	5.00	5.00	1.00	0.50		MS-026D/AAA
QFP 05 x 05 x 1.40 (0.40)	7.00	7.00	1.60	5.00	5.00	1.40	0.40		MS-026/BAB
QFP 05 x 05 x 1.40 (0.50)	7.00	7.00	1.60	5.00	5.00	1.40	0.50		MS-026/BAA
QFP 07 x 07 x 1.00 (0.40)	9.00	9.00	1.20	7.00	7.00	1.00	0.40		MS-026/ABD
QFP 07 x 07 x 1.00 (0.50)	9.00	9.00	1.20	7.00	7.00	1.00	0.50		MS-026/ABC
QFP 07 x 07 x 1.00 (0.65)	9.00	9.00	1.20	7.00	7.00	1.00	0.65		MS-026/ABB
QFP 07 x 07 x 1.00 (0.80)	9.00	9.00	1.20	7.00	7.00	1.00	0.80		MS-026/ABA
QFP 07 x 07 x 1.40 (0.50)	9.00	9.00	1.60	7.00	7.00	1.40	0.50		MS-026/BBC
QFP 07 x 07 x 1.40 (0.65)	9.00	9.00	1.60	7.00	7.00	1.40	0.65		MS-026/BBB

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFP 07 x 07 x 1.40 (0.80)	9.00	9.00	1.60	7.00	7.00	1.40	0.80		MS-026/BBA
QFP 07 x 07 x 1.40 (048-0.40)	9.00	9.00	1.60	7.00	7.00	1.40	0.40		MS-026/BBB
QFP 10 x 10 x 1.00	12.00	12.00	1.20	10.00	10.00	1.00	0.65		MS-026/ACC
QFP 10 x 10 x 1.00 (0.80)	12.00	12.00	1.20	10.00	10.00	1.00	0.80		MS-026/ACB
QFP 10 x 10 x 1.00 (1.00)	12.00	12.00	1.20	10.00	10.00	1.00	1.00		MS-026/ACA
QFP 10 x 10 x 1.00B (0.50)	12.00	12.00	1.20	10.00	10.00	1.00	0.50		MS-026/ACD
QFP 10 x 10 x 1.00C (xxx-0.40)	12.00	12.00	1.20	10.00	10.00	1.00	0.40		MS-026/ACE
QFP 10 x 10 x 1.40 (0.80)	12.00	12.00	1.60	10.00	10.00	1.40	0.80		MS-026D/BCB
QFP 10 x 10 x 1.40 (1.00)	12.00	12.00	1.60	10.00	10.00	1.40	1.00		MS-026/BCA
QFP 10 x 10 x 1.40 (xxx-0.65)	12.00	12.00	1.60	10.00	10.00	1.40	0.65		MS-026/BCC
QFP 10 x 10 x 1.40B (064-0.50)	12.00	12.00	1.60	10.00	10.00	1.40	0.50		MS-026/BCD
QFP 10 x 10 x 1.40C (xxx-0.00)	12.00	12.00	1.60	10.00	10.00	1.40			MS-026/BCE
QFP 10 x 10 x 2.00	13.90	13.90	2.45	10.00	10.00	2.00	0.80		MS-022B/AB
QFP 10 x 10 x 2.00 (0.80)	13.20	13.20	2.45	10.00	10.00	2.00	0.80		MS-022B/AB
QFP 10 x 10 x 2.00 (1.00)	13.20	13.20	2.45	10.00	10.00	2.00	1.00		MS-022B/AA
QFP 10 x 10 x 2.00 (xxx-0.50)	12.60	12.60	2.45	10.00	10.00	2.00	0.50		MS-029A/AA
QFP 10 x 10 x 2.00A (xxx-0.65)	13.20	13.20	2.45	10.00	10.00	2.00	0.65		MS-022B/AC
QFP 10 x 10 x 2.00B (xxx-0.80)	13.20	13.20	2.70	10.00	10.00	2.00	0.80		MO-108C/AA-1
QFP 10 x 10 x 2.00B2 (xxx-0.65)	13.20	13.20	2.70	10.00	10.00	2.00	0.65		MO-108C/AC-1
QFP 10 x 10 x 2.00C (xxx-0.40)	12.60	12.60	2.45	10.00	10.00	2.00	0.40		MS-029A/AB
QFP 10 x 10 x 2.70A (xxx-0.80)	13.20	13.20	3.40	10.00	10.00	2.70	0.80		MO-108C/AB-1
QFP 10 x 10 x 2.70A2 (xxx-0.65)	13.20	13.20	3.40	10.00	10.00	2.70	0.65		MO-108C/AD-1
QFP 10 x 10 x 2.70B (xxx-0.80)	13.20	13.20	3.15	10.00	10.00	2.70	0.80		MO-108C/AB-2
QFP 10 x 10 x 2.70B2 (xxx-0.65)	13.20	13.20	3.15	10.00	10.00	2.70	0.65		MO-108C/AD-2
QFP 12 x 12 x 1.00 (100-0.40)	14.00	14.00	1.20	12.00	12.00	1.00	0.40		MS-026D/ADE
QFP 12 x 12 x 1.00 (xxx-1.00)	14.00	14.00	1.20	12.00	12.00	1.00	1.00		MS-026D/ADA
QFP 12 x 12 x 1.00B (xxx-0.80)	14.00	14.00	1.20	12.00	12.00	1.00	0.80		MS-026D/ADB
QFP 12 x 12 x 1.00C (xxx-0.65)	14.00	14.00	1.20	12.00	12.00	1.00	0.65		MS-026D/ADC
QFP 12 x 12 x 1.00D (xxx-0.50)	14.00	14.00	1.20	12.00	12.00	1.00	0.50		MS-026D/ADD
QFP 12 x 12 x 1.40 (100-0.40)	14.00	14.00	1.60	12.00	12.00	1.40	0.40		MS-026D/BDE
QFP 12 x 12 x 1.40 (xxx-1.00)	14.00	14.00	1.60	12.00	12.00	1.40	1.00		MS-026D/BDA
QFP 12 x 12 x 1.40B (xxx-0.80)	14.00	14.00	1.60	12.00	12.00	1.40	0.80		MS-026D/BDB
QFP 12 x 12 x 1.40C (xxx-0.65)	14.00	14.00	1.60	12.00	12.00	1.40	0.65		MS-026D/BDC
QFP 12 x 12 x 1.40D (xxx-0.50)	14.00	14.00	1.60	12.00	12.00	1.40	0.50		MS-026D/BDD
QFP 12 x 12 x 2.00 (0.50)	14.60	14.60	2.45	12.00	12.00	2.00	0.50		MS-029A/BA
QFP 12 x 12 x 2.00 (100-0.40)	14.60	14.60	2.45	12.00	12.00	2.00	0.40		MS-029A/BC
QFP 12 x 12 x 2.70 (0.50)	14.60	14.60	3.15	12.00	12.00	2.70	0.50		MS-029A/BB
QFP 14 x 14 x 1.00 (100-0.50)	16.00	16.00	1.20	14.00	14.00	1.00	0.50		MS-026D/AED
QFP 14 x 14 x 1.00 (120-0.40)	16.00	16.00	1.20	14.00	14.00	1.00	0.40		MS-026D/AEE
QFP 14 x 14 x 1.00 (xxx-0.65)	16.00	16.00	1.20	14.00	14.00	1.00	0.65		MS-026D/AEC
QFP 14 x 14 x 1.00 (xxx-1.00)	16.00	16.00	1.20	14.00	14.00	1.00	1.00		MS-026D/AEA

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFP 14 x 14 x 1.00B (xxx-0.80)	16.00	16.00	1.20	14.00	14.00	1.00	0.80		MS-026D/AEB
QFP 14 x 14 x 1.40 (100-0.50)	16.00	16.00	1.60	14.00	14.00	1.40	0.50		MS-026D/BED
QFP 14 x 14 x 1.40 (120-0.40)	16.00	16.00	1.60	14.00	14.00	1.40	0.40		MS-026D/BEE
QFP 14 x 14 x 1.40 (xxx-0.65)	16.00	16.00	1.60	14.00	14.00	1.40	0.65		MS-026D/BEC
QFP 14 x 14 x 1.40 (xxx-1.00)	16.00	16.00	1.60	14.00	14.00	1.40	1.00		MS-026D/BEA
QFP 14 x 14 x 1.40B (xxx-0.80)	16.00	16.00	1.60	14.00	14.00	1.40	0.80		MS-026D/BEB
QFP 14 x 14 x 2.00 (100-0.50)	16.60	16.60	2.45	14.00	14.00	2.00	0.50		MS-029A/CA
QFP 14 x 14 x 2.00 (120-0.40)	16.60	16.60	2.45	14.00	14.00	2.00	0.40		MS-029A/CC
QFP 14 x 14 x 2.00 (80.0-0.65)	17.20	17.20	2.45	14.00	14.00	2.00	0.65		MS-002B/BC
QFP 14 x 14 x 2.00 (xxx-1.00)	17.20	17.20	2.45	14.00	14.00	2.00	1.00		MS-022B/BA
QFP 14 x 14 x 2.00A (xxx-0.80)	17.20	17.20	2.45	14.00	14.00	2.00	0.80		MS-022B/BB
QFP 14 x 14 x 2.00B (080-0.65)	17.20	17.20	2.70	14.00	14.00	2.00	0.65		MO-108C/BE-1
QFP 14 x 14 x 2.00B (xxx-0.80)	17.20	17.20	2.70	14.00	14.00	2.00	0.80		MO-108C/BC-1
QFP 14 x 14 x 2.7 (100-0.50)	16.60	16.60	3.15	14.00	14.00	2.70	0.50		MS-029A/CB
QFP 14 x 14 x 2.70 (120-0.40)	16.60	16.60	3.15	14.00	14.00	2.70	0.40		MS-029A/CD
QFP 14 x 14 x 2.70A (080-0.65)	17.20	17.20	3.15	14.00	14.00	2.70	0.65		MS-002B/BF
QFP 14 x 14 x 2.70A (xxx-0.00)	17.20	17.20	3.15	14.00	14.00	2.70			MS-022B/BD
QFP 14 x 14 x 2.70A2 (xxx-0.80)	17.20	17.20	3.15	14.00	14.00	2.70	0.80		MS-022B/BE
QFP 14 x 14 x 2.70B (080-0.65)	17.20	17.20	3.40	14.00	14.00	2.70	0.65		MO-108C/BF-1
QFP 14 x 14 x 2.70B (xxx-1.00)	17.20	17.20	3.40	14.00	14.00	2.70	1.00		MO-108C/BB-1
QFP 14 x 14 x 2.70B2 (xxx-0.80)	17.20	17.20	3.40	14.00	14.00	2.70	0.80		MO-108C/BD-1
QFP 14 x 20 x 1.00 (120-0.50)	16.00	22.00	1.20	14.00	20.00	1.00	0.50		MS-026D/AHB
QFP 14 x 20 x 1.00B (100-0.65)	17.20	23.20	1.20	14.00	20.00	1.00	0.65		MO-212/AA
QFP 14 x 20 x 1.0A (100-0.65)	16.00	22.00	1.20	14.00	20.00	1.00	0.65		MS026D/AHA
QFP 14 x 20 x 1.40 (100-0.65)	16.00	22.00	1.60	14.00	20.00	1.40	0.65		MS-026D/BHA
QFP 14 x 20 x 1.40 (120-0.50)	16.00	22.00	1.60	14.00	20.00	1.40	0.50		MS-026D/BHB
QFP 14 x 20 x 2.70 (120-0.50)	16.60	22.60	3.15	14.00	20.00	2.70	0.50		MS-029A/KA
QFP 14 x 20 x 2.70A (080-0.80)	17.20	23.20	3.40	14.00	20.00	2.70	0.80		MS-022B/GB-1
QFP 14 x 20 x 2.70A (100-0.65)	17.20	23.20	3.40	14.00	20.00	2.70	0.65		MS-022B/GC-1
QFP 14 x 20 x 2.70A (xxx-1.00)	17.20	23.20	3.40	14.00	20.00	2.70	1.00		MS-022B/GA-1
QFP 14 x 20 x 2.70B (080-0.80)	17.20	23.20	3.15	14.00	20.00	2.70	0.80		MS-022B/GB-2
QFP 14 x 20 x 2.70B (100-0.65)	17.20	23.20	3.15	14.00	20.00	2.70	0.65		MS-022B/GC-2
QFP 14 x 20 x 2.7B (xxx-1.00)	17.20	23.20	3.15	14.00	20.00	2.70	1.00		MS-022B/GA-2
QFP 16 x 16 x 2.00 (088-0.65)	19.20	19.20	2.70	16.00	16.00	2.00	0.65		MO-108C/GA-1
QFP 16 x 16 x 2.70 (088-0.65)	19.20	19.20	3.40	16.00	16.00	2.70	0.65		MO-108C/GB-1
QFP 19 x 19 x 3.90 (0.50)	22.60	22.60	4.30	19.00	19.00	3.90	0.50		MO-114C/CB
QFP 19 x 19 x 3.90 (0.65)	23.20	23.20	4.30	19.00	19.00	3.90	0.65		MO-114C/BC
QFP 20 x 20 x 1.00 (112-0.65)	22.00	22.00	1.20	20.00	20.00	1.00	0.65		MS-026D/AFA
QFP 20 x 20 x 1.00 (144-0.50)	22.00	22.00	1.20	20.00	20.00	1.00	0.50		MS-026D/AFB
QFP 20 x 20 x 1.00 (176-0.40)	22.00	22.00	1.20	20.00	20.00	1.00	0.40		MS-026D/AFC
QFP 20 x 20 x 1.40 (112-0.65)	22.00	22.00	1.60	20.00	20.00	1.40	0.65		MS-026D/BEA

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
QFP 20 x 20 x 1.40 (144-0.50)	22.00	22.00	1.60	20.00	20.00	1.40	0.50		MS-026D/BFB
QFP 20 x 20 x 1.40 (176-0.40)	22.00	22.00	1.60	20.00	20.00	1.40	0.40		MS-026D/BFC
QFP 20 x 20 x 2.00A (144-0.50)	22.60	22.60	2.45	20.00	20.00	2.00	0.50		MS-029A/DA-2
QFP 20 x 20 x 2.00A (176-0.40)	22.60	22.60	2.45	20.00	20.00	2.00	0.40		MS-029A/DC-2
QFP 20 x 20 x 2.00B (144-0.50)	22.60	22.60	2.70	20.00	20.00	2.00	0.50		MS-029A/DA-1
QFP 20 x 20 x 2.00B (176-0.40)	22.60	22.60	2.70	20.00	20.00	2.00	0.40		MS-029/DC-1
QFP 20 x 20 x 2.70 (1.00) A	23.20	23.20	3.40	20.00	20.00	2.70	1.00		MS-022B/CA-1
QFP 20 x 20 x 2.70 (1.00) B	23.20	23.20	3.15	20.00	20.00	2.70	1.00		MS022B/CA-2
QFP 20 x 20 x 2.70A (088-0.80)	23.20	23.20	3.40	20.00	20.00	2.70	0.80		MS-022B/CB-1
QFP 20 x 20 x 2.70A (112-0.65)	23.20	23.20	3.40	20.00	20.00	2.70	0.65		MS-022B/CC-1
QFP 20 x 20 x 2.70B (088-0.80)	23.20	23.20	3.15	20.00	20.00	2.70	0.80		MS-022B/CB-2
QFP 20 x 20 x 2.70B (112-0.65)	23.20	23.20	3.15	20.00	20.00	2.70	0.65		MS-022B/CC-2
QFP 20 x 20 x 2.7A (144-0.50)	22.60	22.60	3.15	20.00	20.00	2.70	0.50		MS-029A/DB-2
QFP 20 x 20 x 2.7A (176-0.40)	22.60	22.60	3.15	20.00	20.00	2.70	0.40		MS-029A/DD-2
QFP 20 x 20 x 2.7B (144-0.50)	22.60	22.60	3.40	20.00	20.00	2.70	0.50		MS-029A/DB-1
QFP 20 x 20 x 2.7B (176-0.40)	22.60	22.60	3.40	20.00	20.00	2.70	0.40		MS-029A/DD-1
QFP 24 x 24 x 1.00 (0.40)	26.00	26.00	1.20	24.00	24.00	1.00	0.40		MS-026D-AGB
QFP 24 x 24 x 1.00 (176-0.50)	26.00	26.00	1.20	24.00	24.00	1.00	0.50		MS-026D-AGA
QFP 24 x 24 x 1.40 (0.40)	26.00	26.00	1.60	24.00	24.00	1.40	0.40		MS-026D-BGB
QFP 24 x 24 x 1.40 (176-0.50)	26.00	26.00	1.60	24.00	24.00	1.40	0.50		MS-026D-BGA
QFP 24 x 24 x 2.80 (0.64)	27.43	27.43	3.56	24.13	24.13	2.79	0.65		MO-104A/AA
QFP 24 x 24 x 3.30 (136-0.65)	27.20	27.20	4.00	24.00	24.00	3.30	0.65		MO-108C/JA-1
QFP 24 x 24 x 3.40 (0.40)	26.60	26.60	4.10	24.00	24.00	3.40	0.40		MS-029A/EB
QFP 24 x 24 x 3.40 (0.50)	26.60	26.60	4.10	24.00	24.00	3.40	0.50		MS-029A/EA
QFP 27 x 27 x 3.90 (0.50)	30.60	30.60	4.30	27.00	27.00	3.90	0.50		MO-114C/CA
QFP 27 x 27 x 3.90 (0.65)	31.20	31.20	4.30	27.00	27.00	3.90	0.65		MO-114C/BA and BB
QFP 27 x 27 x 3.90 (0.80)	31.20	31.20	4.30	27.00	27.00	3.90	0.80		MO-114C/AA and AB
QFP 27.55 x 27.55 x 4.31 (0.64)	27.55	27.55	4.31	22.35	22.35	3.37	0.64		
QFP 28 x 28 x 1.40 (0.40)	30.00	30.00	1.60	28.00	28.00	1.40	0.40		MS-026D/BJC
QFP 28 x 28 x 1.40 (0.50)	30.00	30.00	1.60	28.00	28.00	1.40	0.50		MS-026D/BJB
QFP 28 x 28 x 1.40 (160-0.65)	30.00	30.00	1.60	28.00	28.00	1.40	0.65		MS-026D/BJA
QFP 28 x 28 x 3.40 (0.40) A	30.60	30.60	4.10	28.00	28.00	3.40	0.40		MS-029A/FB-1
QFP 28 x 28 x 3.40 (0.40) B	30.60	30.60	3.85	28.00	28.00	3.40	0.40		MS-029A/FB-2
QFP 28 x 28 x 3.40 (0.50) A	30.60	30.60	4.10	28.00	28.00	3.40	0.50		MS-029A/FA-1
QFP 28 x 28 x 3.40 (0.50) B	30.60	30.60	3.85	28.00	28.00	3.40	0.50		MS-029A/FA-2
QFP 28 x 28 x 3.40A (120-0.80)	31.20	31.20	4.10	28.00	28.00	3.40	0.80		MS-022B/DA-1
QFP 28 x 28 x 3.40A (128-0.80)	31.20	31.20	4.10	28.00	28.00	3.40	0.80		MS-022B/DB-1
QFP 28 x 28 x 3.40A (144-0.65)	31.20	31.20	4.10	28.00	28.00	3.40	0.65		MS-022B/DC-1
QFP 28 x 28 x 3.40A (160-0.65)	31.20	31.20	4.10	28.00	28.00	3.40	0.65		MS-022B/DD-1
QFP 28 x 28 x 3.40B (120-0.80)	31.20	31.20	3.85	28.00	28.00	3.40	0.80		MS-022B/DA-2
QFP 28 x 28 x 3.40B (128-0.80)	31.20	31.20	3.85	28.00	28.00	3.40	0.80		MS-022B/DB-2

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
QFP 28 x 28 x 3.40B (144-0.65)	31.20	31.20	3.85	28.00	28.00	3.40	0.65		MS-022B/DC-2
QFP 28 x 28 x 3.40B (160-0.65)	31.20	31.20	3.85	28.00	28.00	3.40	0.65		MS-022B/DD-2
QFP 31 x 31 x 3.90 (0.50)	34.60	34.60	4.30	31.00	31.00	3.90	0.50		MO-114C/CC
QFP 31 x 31 x 3.90 (0.65)	35.20	35.20	4.30	31.00	31.00	3.90	0.65		MO-114C/BD
QFP 32 x 32 x 3.40 (0.40)	34.60	34.60	4.10	32.00	32.00	3.40	0.40		MS-029A/GB
QFP 32 x 32 x 3.40 (0.50)	34.60	34.60	4.10	32.00	32.00	3.40	0.50		MS-029A/GA
QFP 32 x 32 x 3.40 (0.65) A	35.20	35.20	4.10	32.00	32.00	3.40	0.65		MS-022B/EA
QFP 32 x 32 x 3.40 (0.65) B	35.20	35.20	3.85	32.00	32.00	3.40	0.65		MO-108C/EA-2
QFP 34 x 34 x 3.40 (0.65)	39.37	39.37	4.19	34.29	34.29	3.43	0.65		MO-125A/AA
QFP 36 x 36 x 3.80 (0.40)	38.60	38.60	4.50	36.00	36.00	3.80	0.40		MS-029A/HB
QFP 36 x 36 x 3.80 (0.50)	38.60	38.60	4.50	36.00	36.00	3.80	0.50		MS-029A/HA
QFP 39 x 39 x 3.90 (0.50)	42.60	42.60	4.30	39.00	39.00	3.90	0.50		MO-114C/CD
QFP 39 x 39 x 3.90 (0.65)	43.20	43.20	4.30	39.00	39.00	3.90	0.65		MO-114C/BE
QFP 40 x 40 x 3.80 (0.40)	42.60	42.60	4.50	40.00	40.00	3.80	0.40		MS-029A/JB
QFP 40 x 40 x 3.80 (0.50)	42.60	42.60	4.50	40.00	40.00	3.80	0.50		MS-029A/JA
QFP 40 x 40 x 3.80 (0.65)	43.20	43.20	4.50	40.00	40.00	3.80	0.65		MS-022B/FA&MO-108/FA-2
QSOP-016	6.00	4.90	1.60	3.89	4.90	1.47	0.64		MO-137
QSOP-020	6.00	8.66	1.60	3.89	8.66	1.47	0.64		MO-137
QSOP-024	6.00	8.64	1.60	3.89	8.64	1.47	0.64		MO-137
QSOP-028	6.00	9.91	1.60	3.89	9.91	1.47	0.64		MO-137
Radial Large									
Radial Medium									
Radial Thin									
Relay 24mm									
RL-06	9.45	9.79	2.14	6.27	9.73	2.06			
SKPQ-20	15.24	15.24	5.08	15.24	15.24	5.08	1.27		
SKPQ-28	17.78	17.78	6.86	17.78	17.78	5.08	1.27		
SKPQ-32	16.91	19.44	4.63	16.91	19.44	4.25	1.27		
SKPQ-44	22.00	22.00	4.60	22.00	22.00	2.95	1.27		
SKPQ-52	25.60	25.60	6.86	25.60	25.60	5.08	1.27		
SKPQ-68	30.50	30.50	6.86	30.48	30.48	5.08	1.27		
SKPQ-84	35.56	35.56	6.86	35.56	35.56	5.08	1.27		
SMA	2.60	5.20	2.40	2.60	4.30	2.30			DO-214/AC
SMAG	2.60	6.10	2.40	2.60	4.30	2.30			DO-215D/AC
SMB	3.60	5.40	2.30	3.60	4.30	2.15			DO-214/AA
SMBG	3.60	6.20	2.30	3.60	4.30	2.15			DO-215D/AA
SMC	5.90	7.95	2.30	5.90	6.85	2.15			DO-214/AB
SMCG	5.90	9.90	2.30	5.90	6.85	2.15			DO-215D/AB
SOD-080	1.65	3.50	1.65	1.65	3.50	1.65			DO-213D/AA
SOD-087 MELF	2.54	5.00	2.54	2.54	5.00	2.54			DO-213/AB
SOD-123	1.60	2.65	1.35	1.60	2.65	1.29			

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
SOD-323	1.25	2.50	1.10	1.25	1.70	0.90			
SOD-523	0.80	1.60	0.80	0.80	1.20	0.80			
SOIC-05 (4.40)	7.00	3.60	3.20	4.40	3.60	3.00	1.27		MO-155A/AA
SOIC-08 (3.90)	6.00	4.90	1.75	3.90	4.90	1.65	1.27		MS-012D/AA
SOIC-08 (5.30)	8.50	5.35	1.92	5.30	5.35	1.80	1.27		
SOIC-14 (3.90)	6.00	8.65	1.75	3.90	8.65	1.65	1.27		MS-012D/AB
SOIC-14 (5.30)	7.80	10.30	1.80	5.30	10.30	1.60	1.27		MO-046B/AC
SOIC-14 (7.50)	10.30	9.00	2.65	7.50	9.00	2.55	1.27		MS-013D/AF
SOIC-16 (3.90)	6.00	9.90	1.75	3.90	9.90	1.65	1.27		MS-012D/AC
SOIC-16 (4.57)	6.86	10.77	2.10	4.57	10.77	1.97	1.27		
SOIC-16 (5.30)	7.80	10.30	1.80	5.30	10.30	1.60	1.27		MO-046B/AB
SOIC-16 (7.50)	10.30	10.30	2.65	7.50	10.30	2.55	1.27		MS-013D/AA
SOIC-18 (7.50)	10.30	11.55	2.65	7.50	11.55	2.55	1.27		MS-013D/AB
SOIC-20 (5.30)	7.80	12.80	1.80	5.30	12.80	1.60	1.27		MO-046B/AC
SOIC-20 (7.50)	10.30	12.80	2.65	7.50	12.80	2.55	1.27		MS-013D/AC
SOIC-24 (7.50)	10.30	15.40	2.65	7.50	15.40	2.55	1.27		MS-013D/AD
SOIC-24 (8.40A)	12.11	15.65	2.54	8.40	15.65	2.03	1.27		MO-059/AA
SOIC-24 (8.40B)	12.11	15.65	3.05	8.40	15.65	3.00	1.27		MO-059/AB
SOIC-24 (8.89)	11.99	15.70	2.64	8.89	15.70	2.39	1.27		MO-120B/AA
SOIC-28 (11.20)	14.10	18.00	3.04	11.20	18.00	2.94	1.27		MO-099A/AA
SOIC-28 (7.50)	10.30	17.90	2.50	7.50	17.90	2.55	1.27		MS-013D/AE
SOIC-28 (8.40A)	12.11	18.10	2.54	8.40	18.10	2.03	1.27		MO-059/AC
SOIC-28 (8.40B)	12.11	18.10	3.05	8.40	18.10	3.00	1.27		MO-059/AD
SOIC-28 (8.89)	11.99	18.24	2.64	8.89	18.24	2.39	1.27		MO-120B/AB
SOIC-32 (11.20)	14.10	20.50	3.04	11.20	20.50	2.94	1.27		MO-099A/AB
SOIC-32 (7.50)	10.33	20.78	2.65	7.50	20.78	2.55	1.27		MO-119/AC
SOIC-32 (8.89)	11.99	20.78	2.64	8.89	20.78	2.39	1.27		MO-120B/AC
SOIC-36 (7.50)	10.33	23.32	2.65	7.50	23.32	2.55	1.27		MO-119/AD
SOIC-36 (8.89)	11.99	23.32	2.64	8.89	23.32	2.39	1.27		MO-120B/AD
SOIC-44 (12.60)	16.05	28.20	3.10	12.60	28.20	2.90	1.27		MO-175A/AA
SOIC-44 (13.30)	16.00	28.30	2.80	13.30	28.30	2.45	1.27		MO-180B/AA
SOIC-48 (12.60)	16.05	30.50	3.10	12.60	30.50	2.90	1.27		MO-175A/AB
SOIC-56 (13.30)	16.00	23.70	2.00	13.30	23.70	1.35	0.80		MO-180B/BA
SOIC-64 (12.00)	14.25	26.30	2.38	12.00	26.30	2.13	0.80		MO-117/AA
SOIC-90 (13.30)	16.00	23.70	1.90	13.30	23.70	1.35	0.50		MO-180B/CA
SOJ-14 (7.62)	8.66	8.99	3.56	7.62	8.99	2.92	1.27		MO-088A/AA
SOJ-16 (7.62)	8.66	10.30	3.56	7.62	10.30	2.92	1.27		MO-088/AB
SOJ-18 (7.62)	8.66	11.54	3.56	7.62	11.54	2.92	1.27		MO-088 /AC
SOJ-20 (7.62)	8.66	12.80	3.56	7.62	12.80	2.92	1.27		MO-088/AD
SOJ-20/26 (7.62)	8.51	17.15	3.51	7.62	17.15	2.87	1.27		MO-077/AA & MS-023
SOJ-20/26 (8.89)	9.78	17.15	3.51	8.89	17.15	2.87	1.27		MO-091/AA & MO-063

Device	Body			Body			Lead Pitch	Ball Dia	JEDEC
	A	B	K	A1	B1	K1			
SOJ-24 (7.62)	8.51	15.88	3.51	7.62	15.88	2.87	1.27		MO-077/AD & MO-065/AA& MS-023
SOJ-24 (8.38)	9.35	15.70	3.38	8.38	15.70	2.49	1.27		MO-121/AA
SOJ-24/26 (7.62)	8.51	17.15	3.51	7.62	17.15	2.87	1.27		MO-077/AE& MS-023
SOJ-24/28 (10.16)	11.18	18.42	3.51	10.16	18.42	2.87	1.27		MS-027/AA
SOJ-28 (10.16)	11.18	18.42	3.51	10.16	18.42	2.87	1.27		MS-027/AB
SOJ-28 (7.62)	8.51	18.42	3.51	7.62	18.42	2.87	1.27		MO-077/AB & MS-023
SOJ-28 (8.38)	9.35	18.24	3.38	8.38	18.24	2.49	1.27		MO-121/AB
SOJ-28 (8.89)	9.78	18.42	3.51	8.89	18.42	2.87	1.27		MO-091/BA
SOJ-32 (10.16)	11.18	20.96	3.51	10.16	20.96	2.87	1.27		MS-027/AC
SOJ-32 (12.70)	13.72	21.00	3.51	12.70	21.00	2.87	1.27		MO-124/ AA
SOJ-32 (7.62)	8.51	20.96	3.51	7.62	20.96	2.87	1.27		MO-077/AB & MS-023
SOJ-32 (8.38)	9.35	20.78	3.38	8.38	20.78	2.49	1.27		MO-121/AC
SOJ-34 (10.16)	11.18	22.23	3.51	10.16	22.23	2.87	1.27		MS-027AD
SOJ-34 (12.70)	13.72	22.25	3.51	12.70	22.25	2.87	1.27		MO-124/AB
SOJ-36 (10.16)	11.18	23.50	3.51	10.16	23.50	2.87	1.27		MS-027/AE
SOJ-36 (12.70)	13.72	23.50	3.51	12.70	23.50	2.87	1.27		MO-124/AC
SOJ-36 (8.38)	9.35	23.32	3.38	8.38	23.32	2.49	1.27		MO-121/AD
SOJ-40 (10.16)	11.18	26.04	3.51	10.16	26.04	2.87	1.27		MS-027/AF
SOJ-40 (12.70)	13.72	26.00	3.51	12.70	26.00	2.87	1.27		MO-124/AD
SOJ-40 (16.00)	17.00	25.75	3.50	16.00	25.75	2.70	1.25		MO-181 /AA
SOJ-42 (10.16)	11.18	27.31	3.51	10.16	27.31	2.87	1.27		MS-027/AG
SOJ-42 (7.62)	8.51	27.31	3.51	7.62	27.31	2.87	1.27		MO-077 & MS-023
SOJ-44 (10.16)	11.18	28.58	3.51	10.16	28.58	2.87	1.27		MS-027/AH
SOJ-64 (12.00)	13.00	26.30	3.56	12.00	26.30	2.81	0.80		MO-123/AA
SOJ-70 (12.70)	13.72	28.60	3.51	12.70	28.60	2.87	1.27		MO-124/BA
SOT-023	2.92	2.37	1.00	2.92	1.30	0.95	1.92		TO-236/AB
SOT-025	2.90	2.80	1.10	2.90	1.60	0.90	0.95		MO-193/AB & MO-178/AA
SOT-026	2.90	2.80	1.10	2.90	1.60	0.90	0.95		MO-193/AA & MO-178/AA
SOT-089	4.10	4.50	1.50	2.45	4.50	1.50	1.50		TO-243/AA
SOT-143	2.92	2.37	1.00	2.92	1.30	0.95			TO-253/AA
SOT-223	6.50	7.00	1.80	6.50	3.50	1.74	2.30		TO-261/AA
SOT-323	2.00	2.10	1.10	2.00	1.25	1.00			
SOT-325/SOT-353	2.00	2.10	1.10	2.00	1.25	0.90	0.65		MO-223/AB & MO-203/AA
SOT-326/SOT-363	2.00	2.10	1.10	2.00	1.25	0.90	0.65		MO-223/AA & MO-203/AB
SOT-343	2.05	2.07	0.90	2.05	1.22	0.87			
SOT-416	1.60	1.60	0.80	1.60	1.60	0.75	1.00		
SOT-523	1.60	1.60	0.78	1.60	0.88	0.78			
SOT-563	1.60	1.63	0.60	1.60	1.20	0.60			
SQFN 07.00 x 07.00 x 0.80 (60-Lead)	7.00	7.00	0.80	7.00	7.00	0.75	0.65		MO-247A/
SQFN 08.00 x 08.00 x 0.65 (68-Lead)	8.00	8.00	0.65	8.00	8.00	0.60	0.65		MO-247A/AUMMA

Device	A	B	K	Body			Lead	Ball	JEDEC
				A1	B1	K1	Pitch	Dia	
SQFN 08.00 x 08.00 x 0.65 (92-Lead)	8.00	8.00	0.65	8.00	8.00	0.60	0.50		MO-247A/AUMMB
SQFN 08.00 x 08.00 x 0.80 (68-Lead)	8.00	8.00	0.80	8.00	8.00	0.75	0.65		MO-247A/AWMMA
SQFN 09.00 x 09.00 x 0.65 (84-Lead)	9.00	9.00	0.65	9.00	9.00	0.60	0.65		MO-247A/AUNNA
SQFN 09.00 x 09.00 x 0.80 (84-Lead)	9.00	9.00	0.80	9.00	9.00	0.75	0.65		MO-247A/AWNNA
SQFN 10.00 x 10.00 x 0.65 (92-Lead)	10.00	10.00	0.65	10.00	10.00	0.60	0.65		MO-247A/AUPPA
SQFN 10.00 x 10.00 x 0.80 (92-Lead)	10.00	10.00	0.80	10.00	10.00	0.75	0.65		MO-247A/AWPPA
SQFN060-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.65		MO-247A/AULLA
SQFN076-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.50		MO-247A/AULLB
SQFN076-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-247A/AWLLB
SQFN092-8x8-0.80	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-247A/AWMMB
SQFN100-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.40		MO-247A/AULLC
SQFN100-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.40		MO-247A/AWLLC
SQFN108-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.50		MO-247A/CULLB
SQFN108-7x7-0.8	7.00	7.00	0.80	7.00	7.00	0.75	0.50		MO-247A/CWLLB
SQFN108-9x9-0.80	9.00	9.00	0.80	9.00	9.00	0.75	0.50		MO-247A/AWNNB
SQFN116-12x12-0.65	12.00	12.00	0.65	12.00	12.00	0.60	0.65		MO-247A/AURRA
SQFN116-12x12-0.80	12.00	12.00	0.80	12.00	12.00	0.75	0.65		MO-247A/AWRRRA
SQFN124-10x10-0.65	10.00	10.00	0.65	10.00	10.00	0.60	0.50		MO-247A/AUPPB
SQFN124-10x10-0.80	10.00	10.00	0.80	10.00	10.00	0.75	0.50		MO-247A/AWPPB
SQFN124-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.40		MO-247A/AUMMC
SQFN124-8x8-0.80	8.00	8.00	0.80	8.00	8.00	0.75	0.40		MO-247A/AWMMC
SQFN132-13.00 x 13.00 x 0.65	13.00	13.00	0.65	13.00	13.00	0.60	0.65		MO-247A/AUSSA
SQFN132-13.00 x 13.00 x 0.80	13.00	13.00	0.80	13.00	13.00	0.75	0.65		MO-247A/AWSSA
SQFN132-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.50		MO-247A/CUMMB
SQFN132-8x8-0.80	8.00	8.00	0.80	8.00	8.00	0.75	0.50		MO-247A/CWMMB
SQFN136-7x7-0.65	7.00	7.00	0.65	7.00	7.00	0.60	0.40		MO-247A/CULLC
SQFN136-7x7-0.80	7.00	7.00	0.80	7.00	7.00	0.75	0.40		MO-247A/CWLLC
SQFN140-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.40		MO-247A/AUNNC
SQFN140-9x9-0.80	9.00	9.00	0.80	9.00	9.00	0.75	0.40		MO-247A/AWNNC
SQFN156-12x12-0.65	12.00	12.00	0.65	12.00	12.00	0.60	0.50		MO-247A/AURRB
SQFN156-12x12-0.80	12.00	12.00	0.80	12.00	12.00	0.75	0.50		MO-247A/AWRRB
SQFN156-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.50		MO-247A/CUNNB
SQFN156-9x9-0.80	9.00	9.00	0.80	9.00	9.00	0.75	0.50		MO-247A/CWNNB
SQFN164-10x10-0.65	10.00	10.00	0.65	10.00	10.00	0.60	0.40		MO-247A/AUPPC
SQFN164-10x10-0.80	10.00	10.00	0.80	10.00	10.00	0.75	0.40		MO-247A/AWPPC
SQFN172-13.00 x 13.00 x 0.65	13.00	13.00	0.65	13.00	13.00	0.60	0.50		MO-247A/AUSSB
SQFN172-13.00 x 13.00 x 0.80	13.00	13.00	0.80	13.00	13.00	0.75	0.50		MO-247A/AWSSB
SQFN172-8x8-0.65	8.00	8.00	0.65	8.00	8.00	0.60	0.40		MO-247ACUMMC
SQFN172-8x8-0.80	8.00	8.00	0.80	8.00	8.00	0.75	0.40		MO-247A/CWMMC
SQFN180-10x10-0.65	10.00	10.00	0.65	10.00	10.00	0.60	0.50		MO-247A/CUPPB
SQFN180-10x10-0.8	10.00	10.00	0.80	10.00	10.00	0.75	0.50		MO-247A/CWPPB

Device	A	B	K	Body			Lead Pitch	Ball Dia	JEDEC
				A1	B1	K1			
SQFN196-9x9-0.65	9.00	9.00	0.65	9.00	9.00	0.60	0.40		MO-247A/CUNNC
SQFN196-9x9-0.80	9.00	9.00	0.80	9.00	9.00	0.75	0.40		MO-247A/CWNNC
SQFN204-12x12-0.65	12.00	12.00	0.65	12.00	12.00	0.60	0.40		MO-247A/AURRC
SQFN204-12x12-0.80	12.00	12.00	0.80	12.00	12.00	0.75	0.40		MO-247A/AWRRC
SQFN220-13.00 x 13.00 x 0.65	13.00	13.00	0.65	13.00	13.00	0.60	0.40		MO-247A/AUSSC
SQFN220-13.00 x 13.00 x 0.80	13.00	13.00	0.80	13.00	13.00	0.75	0.40		MO-247A/AWSSL
SQFN228-12x12-0.65	12.00	12.00	0.65	12.00	12.00	0.60	0.50		MO-247A/CURRB
SQFN228-12x12-0.80	12.00	12.00	0.80	12.00	12.00	0.75	0.50		MO-247A/CWRRB
SQFN232-10x10-0.65	10.00	10.00	0.65	10.00	10.00	0.60	0.40		MO-247A/CUPPC
SQFN232-10x10-0.80	10.00	10.00	0.80	10.00	10.00	0.75	0.40		MO-247A/CWPPC
SQFN252-13.00 x 13.00 x 0.65	13.00	13.00	0.65	13.00	13.00	0.60	0.50		MO-247A/CUSSB
SQFN252-13.00 x 13.00 x 0.80	13.00	13.00	0.80	13.00	13.00	0.75	0.50		MO-247A/CWSSB
SQFN292-12x12-0.65	12.00	12.00	0.65	12.00	12.00	0.60	0.40		MO-247A/CURRC
SQFN292-12x12-0.80	12.00	12.00	0.80	12.00	12.00	0.75	0.40		MO-247A/CWRRC
SQFN316-13.00 x 13.00 x 0.65	13.00	13.00	0.65	13.00	13.00	0.60	0.40		MO-247A/CUSSC
SQFN316-13.00 x 13.00 x 0.80	13.00	13.00	0.80	13.00	13.00	0.75	0.40		MO-247A/CWSSC
SSOP-008 (4.4)	6.40	3.00	2.00	4.40	3.00	1.75	0.65		MO-152C/AA
SSOP-008 (5.3)	7.80	3.00	2.00	5.30	3.00	1.75	0.65		MO-150B/AA
SSOP-014 (3.90)	6.00	4.90	1.75	3.81	4.90	1.65	0.64		MO-137 B/AA
SSOP-014 (4.4)	6.40	5.00	2.00	4.40	5.00	1.75	0.65		MO-152C/AB-1
SSOP-014 (5.3)	7.80	6.20	2.00	5.30	6.20	1.75	0.65		MO-150B/AB
SSOP-016 (3.90)	6.00	4.90	1.75	3.90	4.90	1.65	0.64		MO-137B/AB
SSOP-016 (4.4)	6.40	5.00	2.00	4.40	5.00	1.75	0.65		MO-152C/AB
SSOP-016 (5.3)	7.80	6.20	2.00	5.30	6.20	1.75	0.65		MO-150B/AC
SSOP-018 (3.90)	6.00	8.65	1.75	3.81	8.66	1.65	0.64		MO-137B/AC
SSOP-018 (5.3)	7.80	7.20	2.00	5.30	7.20	1.75	0.65		MO-150B/AD
SSOP-020 (3.90)	6.00	8.65	1.75	3.90	8.65	1.65	0.64		MO-137B/AD
SSOP-020 (4.4A)	6.40	6.50	2.00	4.40	6.50	1.75	0.65		MO-152C/AC
SSOP-020 (4.4B)	6.40	5.00	2.00	4.40	5.00	1.75	0.50		MO-152C/BA
SSOP-020 (5.3)	7.80	7.20	2.00	5.30	7.20	1.75	0.65		MO-150B/AE
SSOP-022 (5.3)	7.80	8.20	2.00	5.30	8.20	1.75	0.65		MO-150B/AF
SSOP-024 (3.90)	6.00	8.65	1.75	3.81	8.66	1.65	0.64		MO-137B/AE
SSOP-024 (4.4A)	6.40	7.80	2.00	4.40	7.80	1.75	0.65		MO-152C/AD
SSOP-024 (4.4B)	6.40	6.50	2.00	4.40	6.50	1.75	0.50		MO-152C/BB
SSOP-024 (4.4C)	6.40	5.00	2.00	4.40	5.00	1.75	0.40		MO-152C/CA
SSOP-024 (5.30)	7.80	8.20	2.00	5.30	8.20	1.75	0.65		MO-150B/AG
SSOP-024 (6.1)	8.10	7.80	2.00	6.10	7.80	1.75	0.65		MO-152C/DA
SSOP-028 (3.90)	6.00	9.90	1.60	3.90	9.90	1.45	0.64		MO-137B/AF
SSOP-028 (4.4A)	6.40	9.70	2.00	4.40	9.70	1.75	0.65		MO-152C/AE
SSOP-028 (4.4B)	6.40	7.80	2.00	4.40	7.80	1.75	0.50		MO-152C/BC
SSOP-028 (5.3)	7.80	10.20	2.00	5.30	10.20	1.75	0.65		MO-150B/AH

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
SSOP-028 (6.1A)	8.10	9.70	2.00	6.10	9.70	1.75	0.65		MO-152C/DB
SSOP-028 (6.1B)	8.10	7.80	2.00	6.10	7.80	1.75	0.50		MO-152C/EA
SSOP-028 (7.50)	10.36	9.53	2.60	7.50	9.53	2.30	0.64		MO-118B/AC
SSOP-028 (8.0)	10.00	9.70	2.00	8.00	9.70	1.75	0.65		MO-152C/GA
SSOP-030 (5.3)	7.80	10.20	2.00	5.30	10.20	1.75	0.65		MO-150B/AJ
SSOP-030 (6.1)	8.10	9.70	2.00	6.10	9.70	1.75	0.65		MO-152C/DB-1
SSOP-032 (3.90)	6.00	6.00	2.00	3.90	6.00	1.75	0.50		MO-154C/BA
SSOP-032 (4.4)	6.40	6.50	2.00	4.40	6.50	1.75			MO-152C/CB
SSOP-032 (6.1)	8.10	11.00	2.00	6.10	11.00	1.75	0.65		MO-152C/DC
SSOP-032 (8.0)	10.00	11.00	2.00	8.00	11.00	1.75	0.65		MO-152C/GB
SSOP-036 (4.4A)	6.40	9.70	2.00	4.40	9.70	1.75	0.50		MO-152/BD
SSOP-036 (4.4B)	6.40	7.80	2.00	4.40	7.80	1.75	0.40		MO-152/CC
SSOP-036 (5.30)	7.80	12.60	2.00	5.30	12.60	1.75	0.65		N/A
SSOP-036 (6.1A)	8.10	12.50	2.00	6.10	12.50	1.75	0.65		MO-152/DD
SSOP-036 (6.1B)	8.10	9.70	2.00	6.10	9.70	1.75	0.50		MO-152/EB
SSOP-036 (6.1C)	8.10	7.80	2.00	6.10	7.80	1.75	0.40		MO-152/FA
SSOP-036 (8.0A)	10.00	12.50	2.00	8.00	12.50	1.75	0.65		MO-152/GC
SSOP-036 (8.0B)	10.00	9.70	2.00	8.00	9.70	1.75	0.50		MO-152/HA
SSOP-038 (5.3)	7.80	12.60	2.00	5.30	12.60	1.75	0.65		MO-150/AK
SSOP-040 (3.90A)	6.00	8.65	2.00	3.90	8.65	1.75	0.40		MO-154 /AA
SSOP-040 (3.90B)	6.00	9.90	2.00	3.90	9.90	1.75	0.50		MO-154 /BB
SSOP-040 (6.1)	8.10	14.00	2.00	6.10	14.00	1.75	0.65		MO-152/DE
SSOP-040 (6.1B)	8.10	11.00	2.00	6.10	11.00	1.75	0.50		MO-152/EC
SSOP-040 (8.0A)	10.00	14.00	2.00	8.00	14.00	1.75	0.65		MO-152/GD
SSOP-040 (8.0B)	10.00	11.00	2.00	8.00	11.00	1.75	0.50		MO-152/HB
SSOP-044 (6.1)	8.10	11.00	2.00	6.10	11.00	1.75	0.50		MO-152/EC-1
SSOP-048 (3.90)	6.00	9.90	2.00	3.90	9.90	1.75	0.40		MO-154 /AB
SSOP-048 (4.4)	6.70	9.70	2.00	4.40	9.70	1.75	0.40		MO-152 /CD
SSOP-048 (6.1A)	8.10	12.50	2.00	6.10	12.50	1.50	0.50		MO-152/ED
SSOP-048 (6.1B)	8.10	9.70	2.00	6.10	9.70	1.75	0.40		MO-152 /FB
SSOP-048 (7.50)	10.36	15.88	2.60	7.50	15.88	2.30	0.64		MO-118/AA
SSOP-048 (8.0A)	10.00	12.50	2.00	8.00	12.50	1.75	0.50		MO-152/HC
SSOP-048 (8.0B)	10.00	9.70	2.00	8.00	9.70	1.75	0.40		MO-152/JA
SSOP-052 (6.1)	8.10	11.00	2.00	6.10	11.00	1.75	0.40		MO-152/FC
SSOP-052 (8.0)	10.00	11.00	2.00	8.00	11.00	1.75	0.40		MO-152/JB
SSOP-056 (6.1A)	8.10	14.00	2.00	6.10	14.00	1.75	0.50		MO-152/EE
SSOP-056 (6.1B)	8.10	12.50	2.00	6.10	12.50	1.75	0.40		MO-152/FD
SSOP-056 (7.50)	10.35	18.42	2.79	7.50	18.42	2.59	0.64		MO-118/AB
SSOP-056 (8.0A)	10.00	14.00	2.00	8.00	14.00	1.75	0.50		MO-152/HD
SSOP-056 (8.0B)	10.00	12.50	2.00	8.00	12.50	1.75	0.40		MO-152/JC
SSOP-060 (8.0)	10.00	12.50	2.00	8.00	12.50	1.75	0.40		MO-152/JC-1

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
SSOP-064 (6.1A)	8.10	17.00	2.00	6.10	17.00	1.75	0.50		MO-152/EF
SSOP-064 (6.1B)	8.10	14.00	2.00	6.10	14.00	1.75	0.40		MO-152/FE
SSOP-064 (7.50)	10.36	20.96	2.60	7.50	20.96	2.30	0.64		MO-118/AD
SSOP-064 (8.0)	10.00	14.00	2.00	8.00	14.00	1.75	0.40		MO-152/JD
SSOP-068 (8.0)	10.00	14.00	2.00	8.00	14.00	1.75	0.40		MO-152/JD-1
SSOP-080 (3.90)	6.00	20.50	2.00	3.90	20.50	1.75	0.50		MO-154 /BC
SSOP-080 (6.1)	8.10	17.00	2.00	6.10	17.00	1.75	0.40		MO-152/FF
SSOP-096 (3.90)	6.00	20.50	2.00	3.90	20.50	1.75	0.40		MO-154 /AC
Switch-04	6.84	8.75	4.38	6.84	6.13	4.38	1.27		
Switch-06	9.30	17.22	4.55	7.49	17.22	3.61	2.54		
Switch-08	8.12	11.29	2.30	6.20	11.29		1.27		
TF-06	9.89	7.50	6.11	6.86	7.50	5.87	1.27		
TFSON-06 (2.40)	2.40	2.00	1.20	2.40	2.00	1.05	0.65		MO-209/AAAA
TFSON-08 (4.90)	4.90	3.00	1.20	4.90	3.00	1.05	0.65		MO-209/BBAB
TFSON-10 (4.90)	4.90	3.50	1.20	4.90	3.50	1.05	0.50		MO-209/CBBC
TFSON-20 (6.40)	6.40	5.00	1.20	6.40	5.00	1.05	0.50		MO-209/DCBD
TFSON-24 (6.40)	6.40	6.50	1.20	6.40	6.50	1.05	0.50		MO-209/ECBE
TFSON-28 (6.40)	6.40	7.80	1.20	6.40	7.80	1.05	0.50		MO-209/FCBF
TFSON-36 (6.40)	6.40	9.70	1.20	6.40	9.70	1.05	0.50		MO-209/GCBG
TFSON-48 (8.10)	8.10	12.50	1.20	8.10	12.50	1.05	0.50		MO-209/HDBH
TLE2074AIDWR SOIC-16 (7.50)	10.30	10.30	2.65	7.50	10.30	2.55			MS-013D/AA
TO-263	15.87	10.67	4.59	9.17	10.67	4.59	1.83		
TQFN 02.50 x 02.50 x 1.20 (008-Lead)	2.50	2.50	1.20	2.50	2.50	1.15	0.50		MO-208C/AAEA
TQFN 03.00 x 03.00 x 1.20 (012-Lead)	3.00	3.00	1.20	3.00	3.00	1.15	0.50		MO-208C/BBEA
TQFN 03.50 x 03.50 x 1.20 (016-Lead)	3.50	3.50	1.20	3.50	3.50	1.15	0.50		MO-208C/CCEA-2
TQFN 03.50 x 03.50 x 1.20 (020-Lead)	3.50	3.50	1.20	3.50	3.50	1.15	0.50		MO-208C/CCEA-1
TQFN 04.00 x 04.50 x 1.20 (024-Lead)	4.00	4.00	1.20	4.00	4.00	1.15	0.50		MO-208C/DDEA-H
TQFN 04.50 x 03.50 x 1.20 (020-Lead)	3.50	4.50	1.20	3.50	4.50	1.15	0.50		MO-208C/ECEA-2
TQFN 04.50 x 03.50 x 1.20 (024-Lead)	3.50	4.50	1.20	3.50	4.50	1.15	0.50		MO-208C/ECEA-1
TQFN 05.00 x 05.00 x 1.20 (032-Lead)	5.00	5.00	1.20	5.00	5.00	1.15	0.50		MO-208C/FFEA-H
TQFN 05.00 x 11.00 x 0.80 (056-Lead)	5.00	11.00	0.80	5.00	11.00	0.80	0.50		
TQFN 05.50 x 04.50 x 1.20 (032-Lead)	4.50	5.50	1.20	4.50	5.50	1.15	0.50		MO-208C/GEEA
TQFN 06.00 x 06.00 x 1.20 (040-Lead)	6.00	6.00	1.20	6.00	6.00	1.15	0.50		MO-208C/HHEA-H
TQFN 06.50 x 05.50 x 1.20 (040-Lead)	5.50	6.50	1.20	5.50	6.50	1.15	0.50		MO-208C/KFEA
TQFN 07.00 x 07.00 x 1.20 (080-Lead)	7.00	7.00	1.20	7.00	7.00	1.15	0.50		MO-208C/KKEB
TQFN 08.00 x 08.00 x 1.20 (056-Lead)	8.00	8.00	1.20	8.00	8.00	1.15	0.50		MO-208C/MMEA
TQFN 08.00 x 08.00 x 1.20 (096-Lead)	8.00	8.00	1.20	8.00	8.00	1.15	0.50		MO-208C/MMEB
TQFN 09.00 x 09.00 x 1.20 (064-Lead)	9.00	9.00	1.20	9.00	9.00	1.15	0.50		MO-208C/NNEA
TQFN 09.00 x 09.00 x 1.20 (112-Lead)	9.00	9.00	1.20	9.00	9.00	1.15	0.50		MO-208C/NNEB
TQFN 10.00 x 10.00 x 1.20 (072-Lead)	10.00	10.00	1.20	10.00	10.00	1.15	0.50		MO-208C/PPEA
TQFN 10.00 x 10.00 x 1.20 (128-Lead)	10.00	10.00	1.20	10.00	10.00	1.15	0.50		MO-208C/PPEB

Device	A	B	K	Body			Lead	Ball	JEDEC
				A1	B1	K1	Pitch	Dia	
TQFN 11.00 x 11.00 x 1.20 (144-Lead)	11.00	11.00	1.20	11.00	11.00	1.15	0.50		MO-208C/RREB
TQFN 12.00 x 12.00 x 1.20 (164-Lead)	12.00	12.00	1.20	12.00	12.00	1.15	0.50		MO-208C/TTEB
TQFN 13.00 x 13.00 x 1.20 (176-Lead)	13.00	13.00	1.20	13.00	13.00	1.15	0.50		MO-208C/UVEB
TQFN 14.00 x 14.00 x 1.20 (192-Lead)	14.00	14.00	1.20	14.00	14.00	1.15	0.50		MO-208C/VVEB
TQFN 15.00 x 15.00 x 1.20 (208-Lead)	15.00	15.00	1.20	15.00	15.00	1.15	0.50		MO-208C/WWEB
Transformer 24	11.43	11.45	5.64	11.43	11.45	5.64			
TSOC-06	4.30	3.95	1.40				0.50		
TSOJ-20/26	8.51	16.83	1.88	7.50	16.83	1.68	1.27		MO-105A/AA
TSOP1-24 (6.00A)	6.00	14.00	1.20	6.00	12.40	1.05	0.50		MO-142D/AA
TSOP1-24 (6.00B)	6.00	16.00	1.20	6.00	14.40	1.05	0.50		MO-142D/AB
TSOP1-24 (6.00C)	6.00	18.00	1.20	6.00	16.40	1.05	0.50		MO-142D/AC
TSOP1-24 (6.00D)	6.00	20.00	1.20	6.00	18.40	1.05	0.50		MO-142D/AD
TSOP1-28	8.00	13.40	1.20	8.00	11.80	1.05	0.55		MO-183A/
TSOP1-32 (8.00A)	8.00	14.00	1.20	8.00	12.40	1.05	0.50		MO-142D/BA
TSOP1-32 (8.00B)	8.00	16.00	1.20	8.00	14.40	1.05	0.50		MO-142D/BB
TSOP1-32 (8.00C)	8.00	18.00	1.20	8.00	16.40	1.05	0.50		MO-142D/BC
TSOP1-32 (8.00D)	8.00	20.00	1.20	8.00	18.40	1.05	0.50		MO-142D/BD
TSOP1-40 (10.00A)	10.00	14.00	1.20	10.00	12.40	1.05	0.50		MO-142D/CA
TSOP1-40 (10.00B)	10.00	16.00	1.20	10.00	14.40	1.05	0.50		MO-142D/CC
TSOP1-40 (10.00C)	10.00	18.00	1.20	10.00	16.40	1.05	0.50		MO-142D/CC
TSOP1-40 (10.00D)	10.00	20.00	1.20	10.00	18.40	1.05	0.50		MO-142D/CD
TSOP1-48 (12.00A)	12.00	14.00	1.20	12.00	12.40	1.05	0.50		MO-142D/DA
TSOP1-48 (12.00B)	12.00	16.00	1.20	12.00	14.40	1.05	0.50		MO-142D/DB
TSOP1-48 (12.00C)	12.00	18.00	1.20	12.00	16.40	1.05	0.50		MO-142D/DC
TSOP1-48 (12.00D)	12.00	20.00	1.20	12.00	18.40	1.05	0.50		MO-142D/DD
TSOP1-56 (14.00A)	14.00	16.00	1.20	14.00	14.40	1.05	0.50		MO-142D/EA
TSOP1-56 (14.00B)	14.00	18.00	1.20	14.00	16.40	1.05	0.50		MO-142D/EB
TSOP1-56 (14.00C)	14.00	20.00	1.20	14.00	18.40	1.05	0.50		MO-142D/EC
TSOP2-00.00 (06, 0.95)	2.50	2.90	1.10	1.60	2.90	1.00	0.95		
TSOP2-07.62 (20/26, 1.27)	9.22	17.14	1.20	7.62	17.14	1.05	1.27		MS-025B/AA
TSOP2-07.62 (24/26, 1.27)	9.22	14.14	1.20	7.62	17.14	1.05	1.27		MS-025B/AB
TSOP2-07.62 (26, 1.27)	9.22	17.14	1.20	7.62	17.14	1.05	1.27		MS-025B/AC
TSOP2-07.62 (28, 1.27)	9.22	18.14	1.20	7.62	18.14	1.05	1.27		MS-025B/BA
TSOP2-07.62 (44, 0.80)	9.22	18.41	1.20	7.62	18.41	1.05	0.80		MS-025B/BB
TSOP2-10.16 (24/28, 1.27)	11.76	18.41	1.20	10.16	18.41	1.05	1.27		MS-024G/AB
TSOP2-10.16 (28, 1.27)	11.76	18.41	1.20	10.16	18.41	1.05	1.27		MS-024G/AA
TSOP2-10.16 (32, 1.27)	11.76	20.95	1.20	10.16	20.95	1.05	1.27		MS-024G/BA
TSOP2-10.16 (36, 1.27)	11.76	23.49	1.20	10.16	23.49	1.05	1.27		MS-024G/CA
TSOP2-10.16 (40, 1.27)	11.76	26.03	1.20	10.16	26.03	1.05	1.27		MS-024G/DA
TSOP2-10.16 (40/44, 0.80)	11.76	18.81	1.20	10.16	18.41	1.05	0.80		MS-024G/AC
TSOP2-10.16 (44/50, 0.80)	11.76	20.95	1.20	10.16	20.95	1.05	0.80		MS-024G/BB

Device	A	B	K	Body			Lead	Ball	JEDEC
				A1	B1	K1	Pitch	Dia	
TSOP2-10.16 (50, 0.80)	11.76	20.95	1.20	10.16	20.95	1.05	0.80		MS-024G/BC
TSOP2-10.16 (66, 0.65)	11.76	22.22	1.20	10.16	22.22	1.05	0.65		MS-024G/EC
TSOP2-10.16 (80, 0.50)	11.76	20.95	1.20	10.16	20.95	1.05	0.50		MS-024G/BD
TSOP2-10.16 (86, 0.50)	11.76	22.22	1.20	10.16	22.22	1.05	0.50		MS-024G/FB
TSOP2-10.16 A (54, 0.80)	11.76	22.22	1.20	10.16	22.22	1.05	0.80		MS-024G/FA
TSOP2-10.16 A (70, 0.65)	11.76	23.49	1.20	10.16	23.49	1.05	0.65		MS-024G/CB
TSOP2-10.16 B (54, 0.40)	11.76	11.20	1.20	10.16	11.20	1.05	0.40		MS-024G/GA
TSOP2-10.16 B (70, 0.80)	11.76	28.57	1.20	10.16	28.57	1.05	0.80		MS-024G/EA
TSOP2-12.70 (32, 1.27)	14.30	21.00	1.20	12.70	21.00	1.05	1.27		MO-135C/AA
TSOP2-12.70 (34, 1.27)	14.30	22.25	1.20	12.70	22.25	1.05	1.27		MO-135C/AB
TSOP2-12.70 (36, 1.27)	14.30	23.49	1.20	12.70	23.49	1.05	1.27		MO-135C/AC
TSOP2-12.70 (40, 1.27)	14.30	26.03	1.20	12.70	26.03	1.05	1.27		MO-135C/AD
TSOP2-12.70 (50, 0.80)	14.30	21.00	1.20	12.70	21.00	1.05	0.80		MO-135C/BA
TSOP2-12.70 (54, 0.80)	14.30	22.25	1.20	12.70	22.25	1.05	0.80		MO-135C/BB
TSOP2-12.70 (62, 0.65)	14.30	21.00	1.20	12.70	21.00	1.05	0.65		MO-135C/CA
TSOP2-12.70 (70, 0.80)	14.30	28.57	1.20	12.70	28.57	1.05	0.80		MO-135C/BC
TSOP2-16.00 (100, 0.50)	18.00	25.75	1.20	16.00	25.75	1.05	0.50		MO-182C/AC
TSOP2-16.00 (40, 1.27)	18.00	25.75	1.20	16.00	25.75	1.05	1.27		MO-182C/AA
TSOP2-16.00 (62, 0.80)	18.00	25.75	1.20	16.00	25.75	1.05	0.80		MO-182C/AB
TSOP2-16.00 (88, 0.65)	18.00	29.50	1.20	16.00	29.50	1.05	0.65		MO-182C/BA
TSSOP-08 (1.25)	2.10	2.00	1.10	1.25	2.00	0.90	0.50		MO-223C/BA & MO-203/BA
TSSOP-08 (1.60)	2.80	2.90	1.10	1.60	2.90	0.90	0.65		MO-193/BA & MO-178/BA
TSSOP-08 (4.40)	6.40	3.00	1.20	4.40	3.00	1.05	0.65		MO-153F/AA
TSSOP-100 (6.10)	8.10	20.80	1.20	6.10	20.80	1.05	0.40		MO-194B/BB
TSSOP-14 (4.40A)	6.40	5.00	1.20	4.40	5.00	1.05	0.65		MO-153F/AB-1
TSSOP-14 (4.40B)	6.40	3.60	1.20	4.40	3.60	1.05	0.40		MO-194B/AA
TSSOP-16 (4.40A)	6.40	5.00	1.20	4.40	5.00	1.05	0.65		MO-153F/AB
TSSOP-16 (4.40B)	6.40	3.60	1.20	4.40	3.60	1.05	0.40		MO-194B/AB
TSSOP-20 (4.40A)	6.40	6.60	1.20	4.40	6.50	1.05	0.65		MO-153F/AC
TSSOP-20 (4.40B)	6.40	5.00	1.20	4.40	5.00	1.05	0.50		MO-153F/BA
TSSOP-20 (4.40C)	6.40	5.00	1.20	4.40	5.00	1.05	0.40		MO-194B/AC
TSSOP-24 (4.40A)	6.40	7.80	1.20	4.40	7.80	1.05	0.65		MO-153F/AD
TSSOP-24 (4.40B)	6.40	6.50	1.20	4.40	6.50	1.05	0.50		MO-153F/BB
TSSOP-24 (4.40C)	6.40	5.00	1.20	4.40	5.00	1.05	0.40		MO-153F/CA
TSSOP-24 (6.10)	8.10	7.80	1.20	6.10	7.80	1.05	0.65		MO-153F/DA
TSSOP-28 (4.40A)	6.40	9.70	1.20	4.40	9.70	1.05	0.65		MO-153F/AE
TSSOP-28 (4.40B)	6.40	7.80	1.20	4.40	7.80	1.05	0.50		MO-152C/BC
TSSOP-28 (6.10A)	8.10	9.70	1.20	6.10	9.70	1.05	0.65		MO-153F/DB
TSSOP-28 (6.10B)	8.10	7.80	1.20	6.10	7.80	1.05	0.50		MO-153F/EA
TSSOP-28 (8.00)	10.00	9.70	1.20	8.00	9.70	1.05	0.65		MO-153F/GA
TSSOP-30 (4.40)	6.40	7.80	1.20	4.40	7.80	1.05	0.50		MO-153F/BC-1

Device	Body			Body			Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
TSSOP-30 (6.10)	8.10	9.70	1.20	6.10	9.70	1.05	0.65		MO-153F/DB-1
TSSOP-32 (4.40)	6.40	6.50	1.20	4.40	6.50	1.05	0.40		MO-153F/CB
TSSOP-32 (6.10)	8.10	11.00	1.20	6.10	11.00	1.05	0.65		MO-153F/DC
TSSOP-32 (8.00)	10.00	11.00	1.20	8.00	11.00	1.05	0.65		MO-153F/GB
TSSOP-36 (4.40A)	6.40	9.70	1.20	4.40	9.70	1.05	0.50		MO-153F/BD
TSSOP-36 (4.40B)	6.40	7.80	1.20	4.40	7.80	1.05	0.40		MO-153F/CC
TSSOP-36 (6.10A)	8.10	12.50	1.20	6.10	12.50	1.05	0.65		MO-153F/DD
TSSOP-36 (6.10B)	8.10	9.70	1.20	6.10	9.70	1.05	0.50		MO-153F/EB
TSSOP-36 (6.10C)	8.10	7.80	1.20	6.10	7.80	1.05	0.40		MO-153F/FA
TSSOP-36 (8.00A)	10.00	12.50	1.20	8.00	12.50	1.05	0.65		MO-153F/GC
TSSOP-36 (8.00B)	10.00	9.70	1.20	8.00	9.70	1.05	0.50		MO-153F/HA
TSSOP-38 (4.40)	6.40	9.70	1.20	4.40	9.70	1.05	0.50		MO-153F/BD-1
TSSOP-38 (6.10)	8.10	12.50	1.20	6.10	12.50	1.05	0.65		MO-153F/DD-1
TSSOP-40 (6.10A)	8.10	14.00	1.20	6.10	14.00	1.05	0.65		MO-153F/DE
TSSOP-40 (6.10B)	8.10	11.00	1.20	6.10	11.00	1.05	0.50		MO-153F/EC
TSSOP-40 (8.00A)	10.00	14.00	1.20	8.00	14.00	1.05	0.65		MO-153F/GD
TSSOP-40 (8.00B)	10.00	11.00	1.20	8.00	11.00	1.05	0.50		MO-153F/HB
TSSOP-44 (4.40)	6.40	11.00	1.20	4.40	11.00	1.05	0.50		MO-153F/BE
TSSOP-44 (6.10)	8.10	11.00	1.20	6.10	11.00	1.05	0.50		MO-153F/EC-1
TSSOP-48 (4.40)	6.40	9.70	1.20	4.40	9.70	1.05	0.40		MO-153F/CD
TSSOP-48 (6.10A)	8.10	12.50	1.20	6.10	12.50	1.05	0.50		MO-153F/ED
TSSOP-48 (6.10B)	8.10	9.70	1.20	6.10	9.70	1.05	0.40		MO-153F/FB
TSSOP-48 (8.00A)	10.00	12.50	1.20	8.00	12.50	1.05	0.50		MO-153F/HC
TSSOP-48 (8.00B)	10.00	9.70	1.20	8.00	9.70	1.05	0.40		MO-153F/JA
TSSOP-50 (4.40)	6.40	12.50	1.20	4.40	12.50	1.05	0.50		MO-153F/BF
TSSOP-52 (6.10)	8.10	11.00	1.20	6.10	11.00	1.05	0.40		MO-153F/FC
TSSOP-52 (8.00)	10.00	11.00	1.20	8.00	11.00	1.05	0.40		MO-153F/JB
TSSOP-56 (4.40)	6.40	11.30	1.20	4.40	11.30	1.05	0.40		MO-194B/AF
TSSOP-56 (6.10A)	8.10	14.00	1.20	6.10	14.00	1.05	0.50		MO-153F/EE
TSSOP-56 (6.10B)	8.10	12.50	1.20	6.10	12.51	1.05	0.40		MO-153F/FD
TSSOP-56 (8.00A)	10.00	14.00	1.20	8.00	14.00	1.05	0.50		MO-153F/HD
TSSOP-56 (8.00B)	10.00	12.50	1.20	8.00	12.50	1.05	0.40		MO-153F/JC
TSSOP-60 (8.00)	10.00	12.50	1.20	8.00	12.50	1.05	0.40		MO-153F/JC-1
TSSOP-64 (6.10A)	8.10	17.00	1.20	6.10	17.00	1.05	0.50		MO-153F/EF
TSSOP-64 (6.10B)	8.10	14.00	1.20	6.10	14.00	1.05	0.40		MO-153F/FE
TSSOP-64 (8.00)	10.00	14.00	1.20	8.00	14.00	1.05	0.40		MO-153F/JD
TSSOP-68 (8.00)	10.00	14.00	1.20	8.00	14.00	1.05	0.40		MO-153F/JD-1
TSSOP-80 (6.10)	8.10	17.00	1.20	6.10	17.00	1.05	0.40		MO-153F/FF
USON-28 (7.00A)	7.00	12.00	0.90	7.00	12.00	0.85	0.80		MO-196C/FEC
USON-28 (7.00B)	7.20	13.60	0.95	7.00	13.60	0.90	0.80		MO-197C/AC
USON-36	10.00	15.00	0.90	10.00	15.00	0.85	0.80		MO-196/JHC

ORION TAPE & REEL® BRAND SERVICES FROM OX3.COM

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Device				Body	Body	Body	Lead	Ball	JEDEC
	A	B	K	A1	B1	K1	Pitch	Dia	
USON-40	10.10	10.75	0.80	10.00	10.75	0.75	0.50		MO-197B/AB
USON-46 (10.00)	10.00	12.00	0.90	10.00	12.00	0.85	0.50		MO-196C/FHE
USON-46 (7.00)	7.00	12.00	0.90	7.00	12.00	0.85	0.50		MO-196C/FEE
USON-54	8.00	14.00	0.90	8.00	14.00	0.85	0.50		MO-196C/HFE
USON-58	10.00	15.00	0.90	10.00	15.00	0.85	0.50		MO-196C/JHE
Xtal-16	3.89	10.12	3.47	3.89	9.70	3.15	1.88		
Xtal-2412	4.97	12.82	4.56	4.97	12.82	4.56			
Xtal-2412a	9.65	13.05	4.72	9.65	13.05	4.72			