



(1st Quarter)

(2nd Quarter)

(3rd Quarter)

(4th Quarter)

JANUARY

WK	sun	mon	tue	wed	thu	fri	sat
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28

APRIL

WK	sun	mon	tue	wed	thu	fri	sat
14	2	3	4	5	6	7	8
15	9	10	11	12	13	14	15
16	16	17	18	19	20	21	22
17	23	24	25	26	27	28	29

JULY

WK	sun	mon	tue	wed	thu	fri	sat
27	2	3	4	5	6	7	8
28	9	10	11	12	13	14	15
29	16	17	18	19	20	21	22
30	23	24	25	26	27	28	29

OCTOBER

WK	sun	mon	tue	wed	thu	fri	sat
40	1	2	3	4	5	6	7
41	8	9	10	11	12	13	14
42	15	16	17	18	19	20	21
43	22	23	24	25	26	27	28

FEBRUARY

WK	sun	mon	tue	wed	thu	fri	sat
5	29	30	31	1	2	3	4
6	5	6	7	8	9	10	11
7	12	13	14	15	16	17	18
8	19	20	21	22	23	24	25

MAY

WK	sun	mon	tue	wed	thu	fri	sat
18	30	1	2	3	4	5	6
19	7	8	9	10	11	12	13
20	14	15	16	17	18	19	20
21	21	22	23	24	25	26	27

AUGUST

WK	sun	mon	tue	wed	thu	fri	sat
31	30	21	1	2	3	4	5
32	6	7	8	9	10	11	12
33	13	14	15	16	17	18	19
34	20	21	22	23	24	25	26

NOVEMBER

WK	sun	mon	tue	wed	thu	fri	sat
44	29	30	31	1	2	3	4
45	5	6	7	8	9	10	11
46	12	13	14	15	16	17	18
47	19	20	21	22	23	24	25

MARCH

WK	sun	mon	tue	wed	thu	fri	sat
9	26	27	28	1	2	3	4
10	5	6	7	8	9	10	11
11	12	13	14	15	16	17	18
12	19	20	21	22	23	24	25
13	26	27	28	29	30	31	1

JUNE

WK	sun	mon	tue	wed	thu	fri	sat
22	28	29	30	31	1	2	3
23	4	5	6	7	8	9	10
24	11	12	13	14	15	16	17
25	18	19	20	21	22	23	24
26	25	26	27	28	29	30	1

SEPTEMBER

WK	sun	mon	tue	wed	thu	fri	sat
35	27	28	29	30	31	1	2
36	3	4	5	6	7	8	9
37	10	11	12	13	14	15	16
38	17	18	19	20	21	22	23
39	24	25	26	27	28	29	30

DECEMBER

WK	sun	mon	tue	wed	thu	fri	sat
48	26	27	28	29	30	1	2
49	3	4	5	6	7	8	9
50	10	11	12	13	14	15	16
51	17	18	19	20	21	22	23
52	24	25	26	27	28	29	30
	31						

• IPOH, MALAYSIA PUBLIC HOLIDAYS:-

1 & 2	Jan	New Year's Day (Substitute)
22, 23 & 24	Jan	Chinese New Year
5	Feb	Thaipusam
22 & 23	Apr	Hari Raya Puasa
1	May	Labor Day
5	Jun	Agung's Birthday
29	Jun	Hari Raya Haji

19	Jul	Awal Muharram
31	Aug	National Day
16	Sep	Malaysia Day
3	Nov	Perak Sultan Birthday
12	Nov	Deepavali
25	Dec	Christmas Day

• CHENGDU, CHINA PUBLIC HOLIDAYS:-

1	Jan	New Year's Day
21, 22 & 23	Jan	Chinese New Year
5	Apr	Ching Ming Festival
1	May	Labor Day

22	Jun	Dragon Boat Festival
29	Sept	Mid-Autumn Festival
1, 2 & 3	Oct	China National Holidays

• UNITED KINGDOM PUBLIC HOLIDAYS:-

1 & 2	Jan	New Year's Day (Substitute)
7	Apr	Good Friday
10	Apr	Easter Monday
1	May	May Bank Holiday

29	May	Spring Bank Holidays
28	Aug	Summer Bank Holidays
25	Dec	Christmas Day
26	Dec	Boxing Day

• U.S.A. PUBLIC HOLIDAYS:-

1	Jan	New Year's Day
29	May	Memorial Day
4	Jul	Independence Day

4	Sep	Labor Day
23	Nov	Thanksgiving Day
25	Dec	Christmas Day



UNISEM also offers wafer bumping services ,
wafer level CSP and MEMS packaging

SOIC	
Lead Count	Dim. (mil)
8,16	150

QSOP	
Lead Count	Dim. (mil)
16	150

SC70	
Lead Count	Dim. (mm)
3,4,5,6	1.25

MSOP	
Lead Count	Dim. (mm)
8,10	3

TSSOP	
Lead Count	Dim. (mm)
14,16,20,24,28	4.4

SOT23	
Lead Count	Dim. (mm)
3,5,6	1.3

TSOT	
Lead Count	Dim. (mm)
5,6	1.6

PDIP	
Lead Count	Dim. (mil)
8	300

BGA	
Ball Count	Body Size (mm)
49,56	4.1X3.6
49	4x4
49	4.4X4.4
52	4.5x7.0
48	4.6x3.6
49,65,81	5x5
86,101,121	6x6
52	7.5x4.5
100,169	7x7
121,132,163,196	8x8
90	8x9
81	9x9
197	9x7
82,84,128,144	10x10
100	11x11
144,179,196	12x12
225	13x13
208,256,409	14x14
320	15x15
256,280,292	17x17
484	19x19
300	21x21

LGA	
Land Count	Body Size (mm)
8	1.4x1.4
10	1.1x1.5
12	1.6x1.8
13	1.8x1.8
12,16	2x2
1,8,16	2.5x2.5
1,10,16,20,21,28,49	3x3
3	3.5x3.5
7,20,24,29,32,64	4x4
4	4.8x4.8
5,20,32,40,44,45	5x5
8,23,36,40	5.5x5.5
20,28,29,40,44,46,48	6x6
20,32,48,88	7x7
4,16,27,28,31,56	8x8
124	9x9
8	10x10
60,76	11x11
18,28	12x12
100	14x14
128	17x17

LGA	
Land Count	Body Size (mm)
5	0.62x1.12
10	1.6x1.2
10	1.6x2.0
13	1.6x2.3
1	1.6x2.54
1	2.9x1.9
1	3.6x2.6
3	1.6x2.7
4	1.70x3.42
15	1.73x1.2
7	1.90x3.25
3	2.00x1.25
8	2.0x2.5
4,5	2x3
9	2x4
6	2.5x1.7
8	2.5x2.0
7	2.5x2.7

14	2.5x3.0
3,5	2.5x3.35
5	2.65x3.50
20	2.6x2.8
10	2.7x2.7
25	2.68x2.8
15	2.7x3.8
5	2.75x1.85
7,12	2.90x2.76
21,24,30	3x5
5	3.05x1.85
6	3.2x4.4
2	3.28x3.28
4	3.35x2.50
8	3.40x2.53
5	3.50x2.65
24	3.5x4.5
12	3.5x3.0
10	3.55x4.4
7	3.6x3.8
5,6	3.62x2.52
5	3.64x2.54
4	3.76x2.24
4,8	3.76x2.95
9	3.84x2.54
12	3.9x7.0
39	4.00x3.65
43	4.0x6.8
4,5,9,10	4x3
7,21	4x5
10	4x15.75
62	4.2x5.2
32	4.2x4.3
62	4.2x5.2
5	4.25x3.12
4	4.3x6.3
34	4.5x5.8
44	4.5x8.5
4	4.72x3.76
35	4.9x6.0
24	5x3
6	5.0x3.2
32	5.0x5.5
38,39,29	5.0x6.0
23	5.22x4.54
36	5.25x5.30
3	5.25x3.05
39	5.3x5.5
5,6	5.35x3.18
5	5.5x3.2
32	5.5x6.5
5	5.7x3.4
6,7	5x4
4,6,36,38,43	5x7
4	5.1x7.1
72	5.2x8.4
5	5.52x3.02
4	5.52x3.12
4	5.52x3.374
36	5.635x5.300
4,24,28,29	6x5
30	6x7
56	6x7.6
50	6.0x6.9
38	6.3x6.0
62	6.4x17.0
134	6.5x5.0
9	6.5x6.0
7	6.73x3.180
28	7.0x5.5
48	7.0x11
14	7.0x15
24	7.1x9.1
54	7.5x4.0
54	7.50x4.25
12	7.66x10.00
72	9x10
8	9.4x11.0
54	9.6x5.6
85	10.5x8.65
6,152	11x15
100	11x17
36	12.5x8.1
58	15.15x5.40
152	23x18

QFN/DFN	
Lead Count	Body Size (mm)
4	0.85x0.85
4	0.9x0.9
4,6	1x1
8,9	1.1x1.1
4,6,8,9	1.2x1.2
4	1.3X1.3
5,6,8,9,10,12	1.5x1.5
3,6,7,8,12,14,16	1.6x1.6
10	1.75x1.75
12	1.8X1.8
6,8,9,10,11,12,14,16,18	2x2
6	2.05x2.05
8,10	2.2x2.2
2,16	2.3x2.3
8,10,12,14,16,20,25	2.5x2.5
10	2.6x2.6
16	2.8x2.8
4,6,8,9,10,11,12	3x3
14,16,18,20,22,24	
24	3.3x3.3
12,14,20,24	3.5x3.5
6,8,10,12,14,16,17,18,19	4x4
20,22,23,24,25,26,28,32	
28,32,36	4.5x4.5
14,16,18,20,21,24,26,27	5x5
28,29,30,32,35,36,37,40,48	
36,42,43	5.5X5.5
16,18,20,22,24,26,28,30,34,36,38,	6x6
40,42,48,52,56,60	
16,28,32,43,44,46,48,56,68	7x7
28,30,32,36,43,44,48,51,52,56,64,	8x8
68,72	
60,64,68,72	9x9
52,56,57,68,72,88	10x10
28,64,100	12x12
2	1.5x1.0
8	2.0x1.5
22	3.25x4
10	1.5x1.2
10	1.3x0.95
10	1.5x1.1

MIS	
Lead Count	Body Size (mm)
8,9	1.1x1.1
10	1.1x1.5
8	1.5x1.5
8	1.5x1.8
12	1.6x1.6
6	1.6x2.0
12	1.74x1.74
12	1.9x1.1
10	2.0x1.7
14,16	2x2
20	3.0x2.4
10,12,16,20	3x3
20	3.5x3.5
24,28	4X4
50	4.5x6.5
32	4.6x5.2
40,52	5x5
59	6x5
40	6.5x6.5
48,80,88	7x7
2	8x6
56	8x8

QFN/DFN	
Lead Count	Body Size (mm)
6	0.7x1.1
4	1.0x1.4
6,8	1.0x1.5
6,8	1.0x1.6
6	1.00x1.45
7	1.075x1.000
7,10,12	1.1x1.5
12	1.15X1.55
6	1.2x1.0
3,6	1.2x1.5
4,6,8	1.2x1.6
10	1.2x2.0
10	1.3x0.95
6	1.3x1.0
8	1.4x1.7
2	1.5x1.0
10	1.5x1.1
10	1.5x1.2
6,8,9	1.5x2.0
8	1.5x2.5
10	1.6x1.3
10,14	1.6x2.0
14,16	1.6x2.5
6,17,18	1.6x3.0
10	1.7x2.0
2	1.78x2.2
14	1.75x2.00
8	1.8x1.2
10	1.8x1.4
6	1.8x2.0
8	1.9x1.6
2,6	2.0X1.3
8	2.0x1.5
6,14	2.0x2.2
10,12,16,17	2.0x2.5
11	2.05x3.35
2,6,8,10,12,13,14,15,16,18,20	2x3
6	2x4
6	2x5
10	2.1x1.6
12	2.1x1.8
12	2.2x1.4
13,16	2.2x2.6
20	2.2x3.7
10	2.5X1.0
12	2.5x1.2
17	2.5x2.8
6,8,13,20	2.5x3.0
16	2.5x3.2
16,18	2.5x3.5
2	2.5x5.0
16	2.6x1.8
20	2.7x3.7
8,12,14,16	3x1
12	3.00x1.35
8	3.0x1.8
14,18	3.0x2.2
12,14	3.0x3.5
26,30	3.0x3.8
14,18	3.0x2.2
6	3.0x2.3
10,12,13,14,16,17,	3x4
18,19,20,21,22,24,28	
24	3.0x4.5
22	3.25x4.0
16,17,18,19,20,21,22,24,25,26,29,30	3x5
14,32	3x6
8,10	3.3x3.0
16	3.5x1.2
14	3.5x4.0
32	3.5x4.3
24,26,33	3.5x4.5
42	3.5x9.0
26	3.8x3.0
16	4.0x1.6
4	4.0x2.1
4,18	4.2x2.2
21	4x3
12,18,20,21,22,23,24,25,28,29,30,	4x5
32,34	
20,22	4.0x5.5
19,20,22,24,28,29,32,34,36,40	4x6
34	4.0x6.5
26,36,38,40	4x7
6,28	4.5x4
16	4.5x6.4
18	4.5x7.3
42	4.5x7.5
4,10	5.0x3.2
18	5x4
50	5.5x7
8,11,18,28,30,32,36,37,38,42,44	5x6
10,27,38,40,42,44,48	5x7
46,52	5x8
60	5x9
56,70,72	5x11
36	5.5x6.0
6	6.23x5.59
42,43	6.5x6.0
4,6	6.5x7.0
42	6.5x5.5
26,40	6x8
53,54	6x10
23	6.5X9.0
37,42,44,52,54	7x6
6	7x6.5
10	7x10
44,52	7.5x10.0
68	8x11
82	9x10
54	10.0x5.5
10	10x7
14	10.1x7.4
76	10X11
58,60	10x12
56	11x6
60	11x7
74,84	12x14
94	13.0x14.5