



(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	8
2	9	10	11	12	13	14	15
3	16	17	18	19	20	21	22
4	23	24	25	26	27	28	29

APRIL

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

JULY

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

OCTOBER

WK	sun	mon	tue	wed	thu	fri	sat
40	2	3	4	5	6	7	8
41	9	10	11	12	13	14	15
42	16	17	18	19	20	21	22
43	23	24	25	26	27	28	29

FEBRUARY

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

MAY

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

AUGUST

WK	sun	mon	tue	wed	thu	fri	sat
31	31	1	2	3	4	5	6
32	7	8	9	10	11	12	13
33	14	15	16	17	18	19	20
34	21	22	23	24	25	26	27

NOVEMBER

WK	sun	mon	tue	wed	thu	fri	sat
44	30	31	1	2	3	4	5
45	6	7	8	9	10	11	12
46	13	14	15	16	17	18	19
47	20	21	22	23	24	25	26

MARCH

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

JUNE

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

SEPTEMBER

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

DECEMBER

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

• IPOH, MALAYSIA PUBLIC HOLIDAYS:-

1	Jan	New Year's Day
18	Jan	Thaipusam
1 & 2	Feb	Chinese New Year
1	May	Labor Day
3 & 4	May	Hari Raya Puasa
6	Jun	Agung's Birthday
10	July	Hari Raya Haji

30	July	Awal Muharram
31	Aug	National Day
16	Sep	Malaysia Day
24	Oct	Deepavali
4	Nov	Perak Sultan Birthday
25	Dec	Christmas Day

• CHENGDU, CHINA PUBLIC HOLIDAYS:-

1	Jan	New Year's Day
1, 2 & 3	Feb	Chinese New Year
5	Apr	Ching Ming Festival
1	May	Labor Day

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

• UNITED KINGDOM PUBLIC HOLIDAYS:-

1	Jan	New Year's Day
15	Apr	Good Friday
18	Apr	Easter Monday
2	May	May Bank Holiday

2	Jun	Spring Bank Holidays
29	Aug	Summer Bank Holidays
25	Dec	Christmas Day
26 & 27	Dec	Boxing Day (Substitute)

• U.S.A. PUBLIC HOLIDAYS:-

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

5	Sep	Labor Day
24	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)
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	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
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	
Ball Count	Body Size (mm)
8	1.4x1.4
13	1.8x1.8
12,16	2x2
16	2.5x2.5
1,16,21,28,49	3x3
3	3.5x3.5
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
32,48,88	7x7
4,16,27,31,56	8x8
124	9x9
8	10x10
60,76	11x11
18,28	12x12
100	14x14
128	17x17

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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
6,8,9,10,12,14,16,18	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	3.3x3.3
24	3.5x3.5
12,14,20,24	4x4
6,8,10,12,14,16,17,18,19	4.5x4.5
20,22,23,24,25,26,28,32	5x5
28,32,36	5.5x5.5
14,16,18,20,21,24,26,27	6x6
28,29,30,32,35,36,37,40,48	7x7
36,42,43	8x8
16,18,20,22,24,26,28,30,34	9x9
36,38,40,42,48,52,56,60	10x10
16,28,32,43,44,46,48,56,68	12x12
28,30,32,36,43,44,48,51	8x11
52,56,64,68,72	9x10
60,64,68,72	10x10
52,56,57,68,72,88	12x12
28,64,100	8x11
68	9x10
82	10.0x5.5
54	10x7
10	10.1x7.4
14	10x11
76	10x12
58,60	11x6
56	11x7
60	12x14
74,84	13.0x14.5
94	

MIS	
Lead Count	Body Size (mm)
8,9	1.1x1.1
10	1.1x1.5
10	1.2x2.5
8	1.5x1.5
8	1.5x1.8
12	1.6x1.6
6	1.6x2.0
20	1.6x3.0
12	1.74x1.74
12	1.9x1.1
10	2.0x1.7
14,16	2x2
22	2.0x2.2
18	2.0x2.4
26,28	2x3
32	2.0x3.5
20	3.0x2.4
10,12,16,20	3x3
20	3.5x3.5
24	3x5
24,28	4x4
50	4.5x6.5
32	4.6x5.2
14,40,52	5x5
59	6x5
40	6.5x6.5
48,80,88	7x7
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
6	1.3x1.0
8	1.4x1.7
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
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
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	4.2x2.2
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