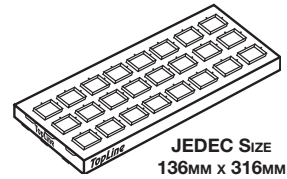





MATRIX TRAYS FOR BGA BALL GRID ARRAY



JEDEC SIZE
136MM x 316MM

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TRAY ORDERING INFORMATION

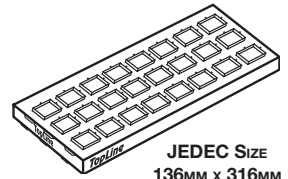
COMPONENT SIZE PER TRAY	COMPONENTS ROW COLUMN	MATRIX XZ1	 Tray Part Number
5 x 5mm	576	16 x 36	BGATRAY5mm-16x36
5 x 5mm	624	16 x 39	BGATRAY5mm-16x39
5 x 5mm	640	16 x 40	BGATRAY5mm-16x40
6 x 6mm	360	12 x 30	BGATRAY6mm-12x30
6 x 6mm	608	16 x 38	BGATRAY6mm-16x38
7 x 7mm	416	13 x 32	BGATRAY7mm-13x32
7 x 7mm	476	14 x 34	BGATRAY7mm-14x34
8 x 8mm	348	12 x 29	BGATRAY8mm-12x29
8 x 8mm	360	12 x 30	BGATRAY8mm-12x30
9 x 9mm	250	10 x 25	BGATRAY9mm-10x25
10 x 10mm	184	8 x 23	BGATRAY10mm-8x23
10 x 10mm	240	10 x 24	BGATRAY10mm-10x24
10 x 10mm	250	10 x 25	BGATRAY10mm-10x25
11 x 11mm	176	8 x 22	BGATRAY11mm-8x22
12 x 12mm	189	9 x 21	BGATRAY12mm-9x21
12 x 12mm	198	9 x 22	BGATRAY12mm-9x22
13 x 13mm	160	8 x 20	BGATRAY13mm-8x20
14 x 14mm	152	8 x 19	BGATRAY14mm-8x19
14 x 14mm	119	7 x 17	BGATRAY14mm-7x17
15 x 15mm	126	7 x 18	BGATRAY15mm-7x18
16 x 16mm	119	7 x 17	BGATRAY16mm-7x17
17 x 17mm	90	6 x 15	BGATRAY17mm-6x15
19 x 19mm	84	6 x 14	BGATRAY19mm-6x14
21 x 21mm	60	5 x 12	BGATRAY21mm-5x12
23 x 23mm	60	5 x 12	BGATRAY23mm-5x12
25 x 25mm	44	4 x 11	BGATRAY25mm-4x11
27 x 27mm	40	4 x 10	BGATRAY27mm-4x10
31 x 31mm	27	3 x 9	BGATRAY31mm-3x9
35 x 35mm	24	3 x 8	BGATRAY35mm-3x8
37.5 x 37.5mm	21	3 x 7	BGATRAY37.5mm-3x7
40 x 40mm	21	3 x 7	BGATRAY40mm-3x7
42.5 x 42.5mm	12	2 x 6	BGATRAY42.5mm-2x6
45 x 45mm	12	2 x 6	BGATRAY45mm-2x6
47.5 x 47.5mm	12	2 x 6	BGATRAY47.5mm-2x6
6 x 7mm	160	10 x 16	BGATRAY6x7-10x16
6 x 8mm	260	10 x 26	BGATRAY6x8-10x26
7 x 9mm	325	13 x 25	BGATRAY7x9mm-13x25
14 x 22mm	84/96	7 x 12 6 x 14 8 x 12	BGATRAY14x22-6x14
21 x 25mm	55	5 x 11	BGATRAY21x25-5x11

ION

Specify minimum temperature rating: 50°C, 75°C, 125°C, 130°C, 140°C, 150°C or 180°C




MATRIX TRAYS FOR QFP & QFN



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TRAY ORDERING INFORMATION

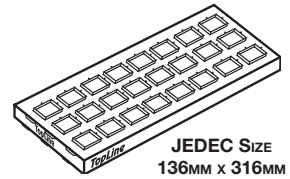
COMPONENT BODY SIZE	COMPONENT HEIGHT	COMPONENTS PER TRAY	MATRIX COLUMN X ROW	 Tray Part Number
QFP TRAY				
10mm Sq.	2.0-2.7mm	96	6 x 16	QTRAY10mm-6x16
14mm Sq.	2.0-2.7mm	84	6 x 14	QTRAY14mm-6x14
14 x 20mm	2.7mm	66	6 x 11	QTRAY14x20mm-6x11
28mm Sq.	3.6mm	24	3 x 8	QTRAY28mm-3x8
32mm Sq.	3.8mm	24	3 x 8	QTRAY32mm-3x8
40mm Sq.	3.8mm	12	3 x 4	QTRAY40mm-3x4
LQFP TRAY				
7mm Sq.	1.4mm	250	10 x 25	LQTRAY7mm-10x25
10mm Sq.		160	8 x 20	LQTRAY10mm-8x20
12mm Sq.		119	7 x 17	LQTRAY12mm-7x17
14mm Sq.		90	6 x 15	LQTRAY14mm-6x15
14 x 20mm		72	6 x 12	LQTRAY14x20mm-6x12
20mm Sq.		60	5 x 12	LQTRAY20mm-5x12
24mm Sq.		40	4 x 10	LQTRAY24mm-4x10
28mm Sq.		36	4 x 9	LQTRAY28mm-4x9
TQFP TRAY				
5mm Sq.	1.0mm	360	12 x 30	TQTRAY5mm-12x30
7mm Sq.		250	10 x 25	TQTRAY7mm-10x25
10mm Sq.		160	8 x 20	TQTRAY10mm-8x20
12mm Sq.		119	7 x 17	TQTRAY12mm-7x17
14mm Sq.		90	6 x 15	TQTRAY14mm-6x15
14 x 20mm		72	6 x 12	TQTRAY14x20mm-6x12
20mm Sq.		60	5 x 12	TQTRAY20mm-5x12
QFN TRAY				
3mm Sq.	0.9mm	490	14 x 35	QFNTRAY3mm-14x35
4mm Sq.		490	14 x 35	QFNTRAY4mm-14x35
5mm Sq.		490	14 x 35	QFNTRAY5mm-14x35
6mm Sq.		490	14 x 35	QFNTRAY6mm-14x35
7mm Sq.		260	10 x 26	QFNTRAY7mm-10x26
8mm Sq.		260	10 x 26	QFNTRAY8mm-10x26
9mm Sq.		260	10 x 26	QFNTRAY9mm-10x26
10mm Sq.		168	8 x 21	QFNTRAY10mm-8x21

O T Z

Specify minimum temperature rating at time of ordering: 50°C, 75°C, 125°C, 130°C, 140°C, 150°C or 180°C




MATRIX TRAYS FOR TSOP




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TRAY ORDERING INFORMATION

COMPONENT SIZE	COMPONENT HEIGHT	COMPONENTS PER TRAY	MATRIX ROW X COLUMN	 Tray Part Number XZ1	
TYPE I (INCLUDING LEADS)					
8 x 13.4mm	1.0-1.2mm	234	13 x 18	TTRAY8x13.4mm-13x18	
10 x 14mm		160	16 x 10	TTRAY10x14mm-16x10	
6 x 16mm		240	15 x 16	TTRAY6x16mm-15x16	
8 x 16mm		195	15 x 13	TTRAY8x16mm-15x13	
10 x 16mm		150	15 x 10	TTRAY10x16mm-10x15	
12 x 16mm		120	15 x 8	TTRAY12x16mm-15x8	
14 x 16mm		112	16 x 7	TTRAY14x16mm-16x7	
8 x 20mm		156	12 x 13	TTRAY8x20mm-12x13	
10 x 20mm		120	12 x 10	TTRAY10x20mm-12x10	
12 x 20mm		96	12 x 8	TTRAY12x20mm-12x8	
14 x 20mm		96	12 x 8	TTRAY14x20mm-12x8	
TYPE II (Body Size)					
.3" x .675" (7.62 x 17.1mm)		1.0-1.2mm	176	11 x 16	TT2TRAY7.6x17-1116
.4" x .725" (10.16 x 18.4mm)			135	9 x 15	TT2TRAY10x18.4-9x15
.4" x .825" (10.16 x 20.95mm)	117		9 x 13	TT2TRAY10x21-9x13	
.4" x .875" (10.16 x 22.22)	108		9 x 12	TT2TRAY10x22-9x12	
.4" x 1.02" (10.16 x 26mm)	99		9 x 11	TT2TRAY10x26-9x11	

TRAY FOR J-LEAD, PLCC, LCC AND CLCC

COMPONENT SIZE	COMPONENT HEIGHT	COMPONENTS PER TRAY	MATRIX ROW X COLUMN	 Tray Part Number XZ1
PLCC32	4.4mm	128	8 x 16	PLCCTRAY-8x16
PLCC44	4.4mm	40	4 x 10	PLCC44TRAY-4x10
PLCC52	4.4mm	36	4 x 9	PLCC52TRAY-4x9
PLCC68	4.4mm	21	3 x 7	PLCC68TRAY-3x7
PLCC84	4.4mm	21	3 x 7	PLCC84TRAY-3x7