Package Capability

Package Type & Body Size (mm)	Lead Count & Pitch	Factory
CABGA (LFBGA)/CTBGA (TFBGA)/CVBGA (VFBGA)*		
3 x 3	25	K4, P3
3.5 x 3.5	34, 36, 49	K4, P3, C3
4 x 4	24, 40, 41, 48, 49, 49, 64	K4, P3, C3
5 x 5	25, 44, 48, 49, 56, 57, 64, 65, 68, 72, 76, 81, 97, 100	K4, P3, C3
6 x 6	36, 48, 49, 56, 58, 64, 64, 76, 80, 84, 86, 88, 92 …	K4, P3, C3
6 x 6	96, 96, 97, 100, 101, 105, 111, 112, 121, 140, 155	K4, P3, C3
7 x 7	48, 49, 64, 64, 64, 80, 81, 84, 84, 104, 107, 116, 121, 132 …	K4, P3, C3
7 x 7	137, 137, 143, 144, 154, 160, 169, 187, 191, 209, 211, 256	K4, P3, C3
8 x 8	52, 56, 64, 80, 80, 81, 100, 105, 108, 112, 113, 120, 121 …	K4, P3, C3
8 x 8	124, 128, 132, 133, 140, 144, 160, 161, 164, 176, 180 …	K4, P3, C3
8 x 8	195, 196, 208, 219, 225, 252, 308	K4, P3, C3
9 x 9	81, 100, 128, 144, 156, 188, 220, 225, 265, 383	K4, P3, C3
10 x 10	81, 96, 100, 104, 120, 121, 128, 144, 164, 173, 179, 180 …	K4, P3, C3
10 x 10	181, 183, 192, 196, 200, 216, 221, 224, 225, 233, 235, 240 …	K4, P3, C3
10 x 10	244, 257, 267, 268, 273, 284, 285, 289, 292, 296, 297, 328 …	K4, P3, C3
10 x 10	336, 345, 346, 360, 384, 387, 409, 424, 454, 456	K4, P3, C3
11 x 11	100, 128, 132, 144, 165, 169, 192, 196, 200, 204, 208, 223 …	K4, P3, C3
11 x 11	256, 280, 305, 337, 361, 416, 432, 440, 452, 476, 576	K4, P3, C3
12 x 12	121, 144, 160, 168, 168, 177, 179, 180, 196, 208, 213, 216 …	K4, P3, C3
12 x 12	236, 240, 244, 244, 260, 264, 272, 289, 291, 308, 337, 343 …	K4, P3, C3
12 x 12	388, 424, 487, 547, 560, 569, 617, 697, 714, 745	K4, P3, C3
13 x 13	144, 177, 193, 201, 224, 225, 240, 248, 256, 273, 276, 280 …	K4, P3, C3
13 x 13	281, 282, 286, 289, 294, 325, 328, 336, 337, 341, 345, 348 …	K4, P3, C3
13 x 13	356, 361, 384, 400, 416, 420, 424	K4, P3, C3
14 x 14	166, 169, 169, 220, 233, 256, 270, 304, 332, 345, 379, 387, 400…	K4, P3, C3
14 x 14	409, 456, 480, 516, 521, 538, 683	K4, P3, C3
15 x 15	160, 176, 196, 208, 217, 220, 233, 240, 255, 260, 261, 288, 289 …	K4, P3, C3
15 x 15	319, 324, 339, 349, 351, 352, 368, 393, 464, 543, 603	K4, P3, C3
16 x 16	174, 225, 280, 285, 304, 324, 423, 445, 477, 609, 624	K4, P3, C3
17 x 17	136, 164, 199, 208, 224, 228, 252, 256, 256, 268, 272, 281, 292…	K4, P3, C3
17 x 17	308, 316, 318, 324, 326, 358, 400, 457, 508, 532, 540, 604, 608	K4, P3, C3
18 x 18	409, 415	C3
19 x 19	253, 260, 276, 289, 296, 324, 350, 361, 376, 416, 475, 484, 570, 618	K4, P3, C3
21 x 21	256, 268, 272, 316, 336, 400	K4, P3, C3
23 x 23	233, 320, 348, 484, 636	K4, P3
27 x 27	369, 416, 472, 672	K4, P3

Legend: Magenta = 0.4 mm pitch, Purple = 0.5 mm pitch, Red = 0.65 mm pitch, Green = 0.8 mm pitch, Blue = 1 mm pitch, Gold = 1.27 mm pitch

Factory: C3 = Shanghai, China K4 = Gwangju, Korea P3 = Laguna, Philippines

***Note:** For CABGA/CTBGA/CVBGA, many other body sizes and footprints are supported.
Tooling availability for ball count, footprint and ball size varies by factory location.
ChipArray® product also available for UFBGA (0.65 mm max) and XFBGA (0.5 mm max) heights.
Please contact Amkor for details on specific availability and detail for footprint, thickness and location.
J1 factory location also supports ChipArray® product family.
Footprints available from 0.4 mm to 1.27 mm pitch and from 1.5 x 2 mm up to 27 x 27 mm

This listing contains information relating to package type, body size, lead count, pitch and factory location that was accurate when published, information is subject to change..

Visit Amkor Technology online for locations and to view the most current product information.

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