

Package Drawings



Products Guide
 Product Data Sheets
Package Drawings
 Packaging and Thermal Characteristics


Application Notes
 White Papers
 Software/Hardware Manuals
















Xcell Journal Online
 Xcell Journal Archives
 Inside Out Columns











Glossary of Terms
 Literature Request Form
[Back to Start Page](#)

▶ **Packaging and Thermal Characteristics** **NEW!**

▶ **Thermal Packaging Management: Application Note XAPP415**  460 KB (v1.0) 12/19/01

Group	Package Symbol	Package Description	Date
Ceramic BGA	 CG1156	1156-ball Ceramic BGA	4/6/01
Ceramic Brazed CQFP	 CB100	100-pin Ceramic Brazed CQFP	6/1/00
	 CB164	164-pin Ceramic Brazed CQFP	6/1/00
	 CB196	196-pin Ceramic Brazed CQFP (XC4000)	6/1/00
	 CB228	228-pin Ceramic Brazed CQFP	4/6/01
Ceramic Quad	 CC20	20-pin Ceramic Quad Type-J NEW!	2/6/02
	 CC44	44-pin Ceramic Quad Type-J NEW!	2/6/02
Ceramic DIP	 DD8	8-pin Ceramic DIP	4/6/01
Ceramic PGA	 PG120	120-pin Ceramic PGA	4/6/01
	 PG68	68-pin Ceramic PGA	4/6/01
	 PG84	84-pin Ceramic PGA	4/6/01
	 PG132	132-pin Ceramic PGA	4/6/01
	 PG156	156-pin Ceramic PGA	4/6/01
	 PG175	175-pin Ceramic PGA	4/6/01
	 PG191	191-pin Ceramic PGA	4/6/01
	 PG223	223-pin Ceramic PGA	6/1/00
	 PG299	299-pin Ceramic PGA	6/1/00
	 PG411	411-pin Ceramic PGA	4/6/01
	 PG475	475-pin Ceramic PGA	4/6/01
 PG559	559-pin Ceramic PGA	4/6/01	
Plastic DIP	 PD08	8-pin Plastic DIP	4/6/01
	 PD48	48-pin Plastic DIP	4/6/01
Chip Scale	 CP56	56-ball Chip Scale BGA (0.50mm Pitch)	6/1/00
	 CS48	48-ball Chip Scale BGA	4/6/01
	 CS144	144-ball Chip Scale BGA	6/1/00
	 CS280	280-ball Chip Scale BGA	6/1/00

Fine Pitch BGA	 FG256	256-ball Fine Pitch BGA	4/6/01
	 FG324	324-ball Fine Pitch BGA	8/1/01
	 FG456	456-ball Fine Pitch BGA	4/6/01
	 FG556	556-ball Fine Pitch BGA	4/6/01
	 FG676	676-ball Fine Pitch BGA	4/6/01
	 FG680	680-ball Fine Pitch Metal BGA - Cavity Down	4/6/01
	 FG860	860-ball Fine Pitch Metal BGA - Cavity Down	4/6/01
	 FG900	900-ball Fine Pitch BGA	4/6/01
	 FG1156	1156-ball Fine Pitch BGA	4/6/01
	 FT256	256-ball Fine Pitch Thin BGA	4/6/01
Flip Chip BGA	 BF957	957-ball Flip Chip BGA	4/6/01
	 FF896	896-ball Flip Chip BGA	4/6/01
	 FF1152	1152-ball Flip Chip BGA	4/6/01
	 FF1517	1517-ball Flip Chip BGA	4/6/01
Metal Quad	 MQ208	208-pin Metal Quad Flat Pack	4/6/01
	 MQ240	240-pin Metal Quad Flat Pack	4/6/01
Plastic BGA	 BG225	225-ball Plastic BGA	4/6/01
	 BG256	256-ball Plastic BGA	4/6/01
	 BG388	388-ball Plastic BGA NEW!	1/10/02
	 BG352	352-ball Metal BGA - Cavity Down	4/6/01
	 BG432	432-ball Metal BGA - Cavity Down	4/6/01
	 BG492	492-ball Plastic BGA	4/6/01
	 BG560	560-ball Metal BGA - Cavity Down	4/6/01
	 BG575	575-ball Plastic BGA	4/6/01
	 BG728	728-ball Plastic BGA	4/6/01
Plastic PGA	 PP132	132-ball Plastic PGA	4/6/01
	 PP175	175-ball Plastic PGA	4/6/01
PLCC	 PC20	20-pin PLCC	6/1/00
	 PC28	28-pin PLCC	6/1/00
	 PC44	44-pin PLCC	6/1/00
	 PC68	68-pin PLCC	6/1/00
	 PC84	84-pin PLCC	6/1/00
PQFP	 PQ44	44-pin PQFP	4/6/01
	 PQ100	100-pin PQFP	4/6/01
	 PQ160, HQ160	160-pin PQFP, Heat Sink PQFP (HQ)	4/6/01
	 PQ208, HQ208	208-pin PQFP, Heat Sink PQFP (HQ)	4/6/01
	 PQ240, HQ240	240-pin PQFP, Heat Sink PQFP (HQ)	4/6/01
	 PQ304, HQ304	304-pin PQFP, Heat Sink PQFP (HQ)	4/6/01
SOIC	 SO8. VO8	8-pin SOIC/TSOP	4/6/01

	 SO20	20-pin SOIC	6/1/00
	 SO24	24-pin SOIC	6/1/00
TQFP	 TQ100	100-pin TQFP	6/1/00
	 TQ128	128-pin TQFP	4/6/01
	 TQ144	144-pin TQFP	6/1/00
	 TQ160	160-pin TQFP	4/6/01
	 TQ176	176-pin TQFP	6/1/00
Very Thin QFP	 VQ44	44-pin Plastic Very Thin QFP	6/1/00
	 VQ64	64-pin Plastic Very Thin QFP	6/1/00
	 VQ100	100-pin Plastic Very Thin QFP	6/1/00