



preci-dip

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PIN GRID ARRAY SOCKETS

SOLDER TAIL / SURFACE MOUNT

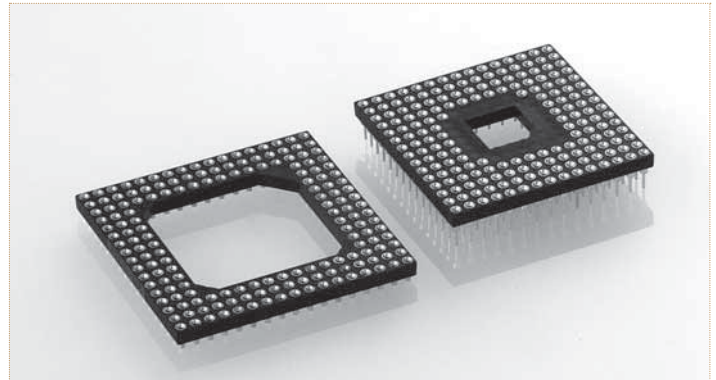
Pin grid array sockets, standard solder version and surface mount with floating contacts.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 155)

INSULATOR	Black glass filled polyester PCT-GF30-FR
FLAMMABILITY	UL 94V-0
SLEEVE	Brass CuZn36Pb3 (C36000)
CONTACT CLIP (6 FINGER)	Beryllium copper (C17200)
ACCEPTED PIN Ø	0.40 to 0.56 mm
FORCES	0.7 N typ. insertion 0.4 N typ. withdrawal (polished steel gauge Ø 0.46 mm)
MECHANICAL LIFE	Min. 100 cycles
RATED CURRENT	1 A
CONTACT RESISTANCE	Max. 10 mΩ
DIELECTRIC STRENGTH	Min. 1'000 V _{RMS}

ORDERING INFORMATION ROHS COMPLIANT PARTS

PP PLATING CODE	SLEEVE	CLIP
87	Tin	Flash gold
83	Tin	0.75 µm gold



Other plating on request (see page 178 for plating specs).

Replace **NNN** with the number of poles and **XX-XXX** with body size and layout numbers as indicated on pages 159 to 160.

For example a 17x17 pin configuration with window and 168 contacts as shown on page 160 becomes 510-83-**168-17-101101**.

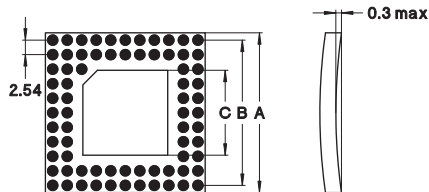
DIMENSIONS

Calculate with n1 = number of contacts in one line and n2 = characteristic size of the window

$$A = n1 \times 2.54$$

$$B = (n1 - 1) \times 2.54$$

$$C = (n2 \times 2.54) - 0.40$$

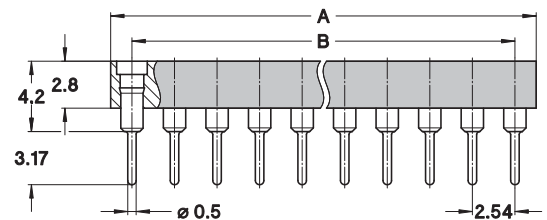


Options: please consult for availability

- PGA sockets with optional standoffs
- PGA sockets with solder tails, length 4.2 mm
- PGA sockets with low profile contacts and solder tails of 2.8 mm length
- PGA interconnect sockets with other contact lengths.

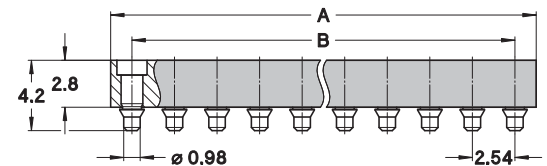
510-PP-NNN-XX-XXX101

PGA sockets with standard solder tails, length 3.17 mm.



514-PP-NNN-XX-XXX117

PGA sockets with self-aligning SMD floating contacts. Contact diameter of soldering end 0.98 mm, allowing PCB pads as small as 1.1 mm.





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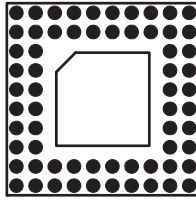
PIN GRID ARRAY SOCKETS

2.54 mm GRID / FOOTPRINTS / TOP VIEW



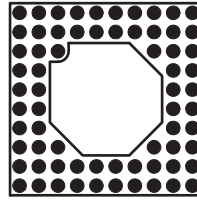
5x5

...-012-05-001...



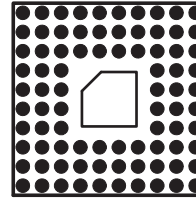
10x10

...-064-10-051...



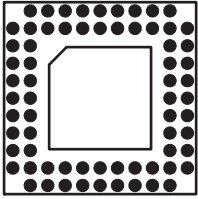
10x10

...-068-10-061...



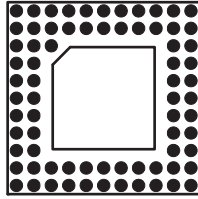
10x10

...-084-10-031...



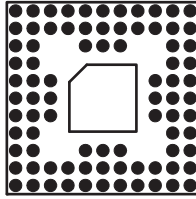
11x11

...-068-11-061...



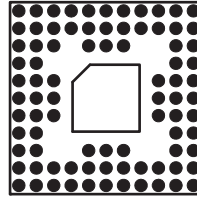
11x11

...-073-11-061...



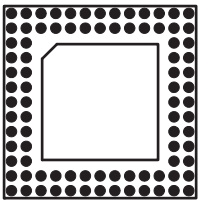
11x11

...-084-11-042...



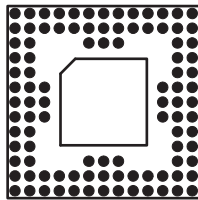
11x11

...-085-11-041...



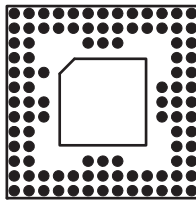
13x13

...-088-13-081...



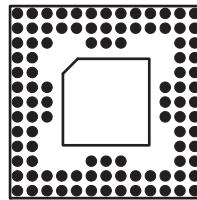
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...-100-13-062...



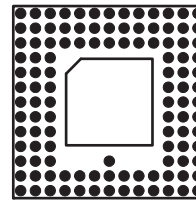
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...-100-13-063...



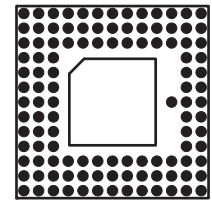
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...-101-13-061...



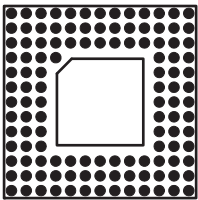
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...-114-13-061...



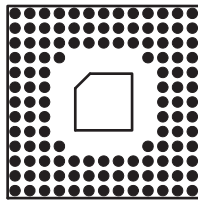
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...-114-13-062...



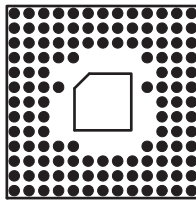
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...-121-13-061...



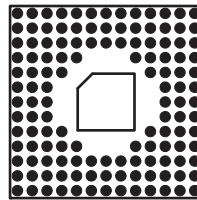
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...-124-13-041...



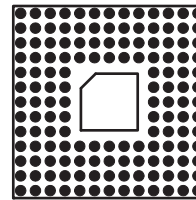
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...-128-13-041...



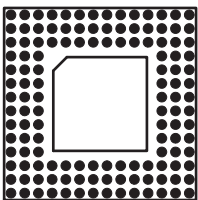
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...-132-13-041...



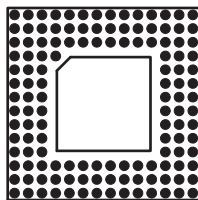
13x13

...-144-13-041...



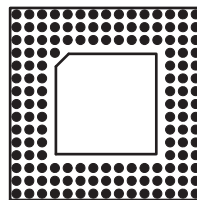
14x14

...-132-14-071...



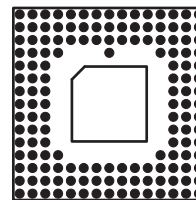
14x14

...-133-14-071...



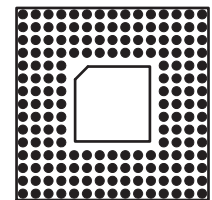
15x15

...-145-15-081...



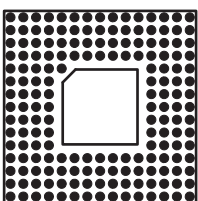
15x15

...-149-15-063...



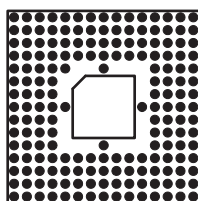
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...-176-15-061...



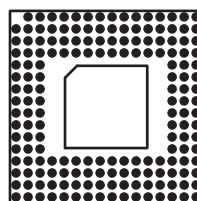
15x15

...-177-15-061...



15x15

...-181-15-051...



16x16

...-175-16-072...

PGA / BGA / PLCC SOCKETS

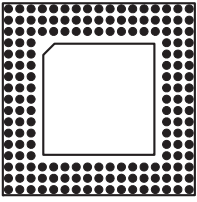


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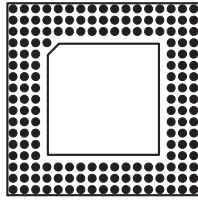
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2.54 mm GRID / FOOTPRINTS / TOP VIEW



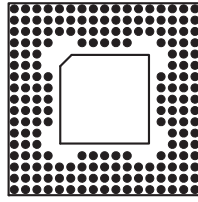
17x17

...-168-17-101...



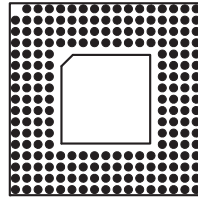
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...-169-17-101...



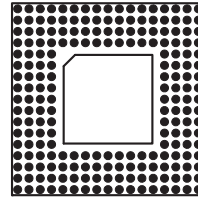
17x17

...-192-17-081...



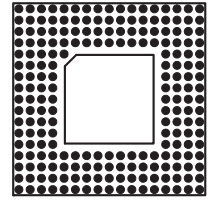
17x17

...-207-17-081...



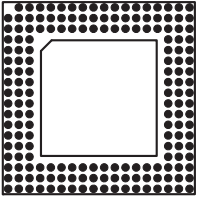
17x17

...-208-17-081...



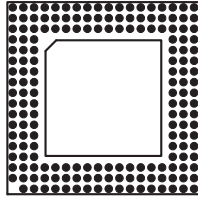
17x17

...-209-17-081...



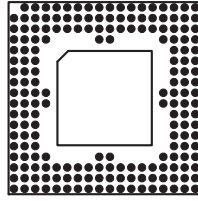
18x18

...-179-18-111...



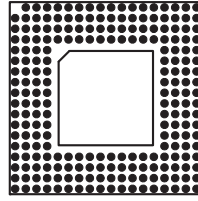
18x18

...-179-18-112...



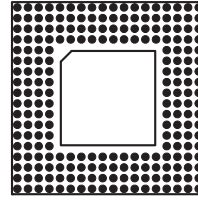
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...-191-18-091...



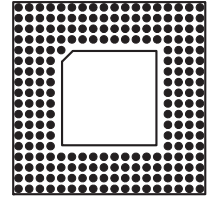
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...-223-18-091...



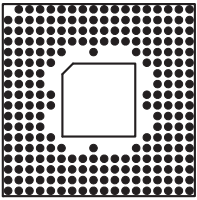
18x18

...-224-18-091...



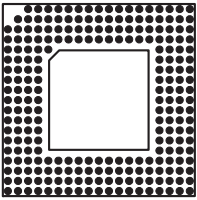
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...-225-18-091...



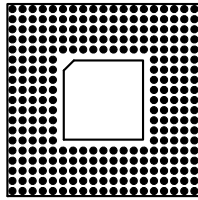
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...-241-18-071...



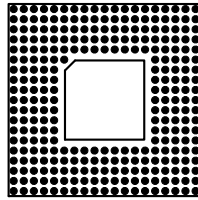
19x19

...-238-19-101...



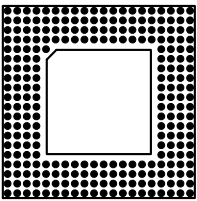
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...-280-19-081...



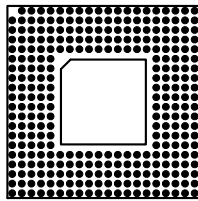
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...-281-19-081...



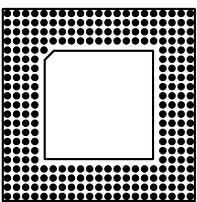
20x20

...-257-20-111...



20x20

...-299-20-091...



21x21

...-273-21-121...