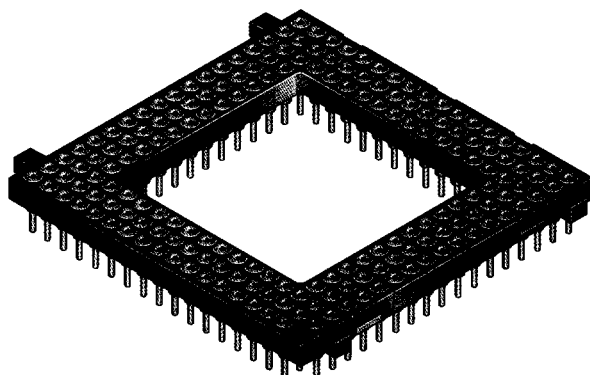




- Very low or ultra low insertion force, screw machine contacts
- Molded high temperature insulators are compatible with IR reflow assembly processes

Technical Data

Physical

Insulator material: High temperature thermoplastic

Flammability rating: UL 94 V-0

Inner contact: Beryllium-copper

Outer shell: ½ hard brass

Plating:

Inner contact – Gold or tin-lead over 1.27 µm (50 µ") nickel



Operating Temperature Range

-50°C to ±150°C

Packaging

Tubes – Select part numbers

Boxes

Reference Information

 File no. E113847

Specifications subject to change without notice.

Processing Information

Compatible with wave, vapor-phase, and IR reflow soldering processes

Electrical Performance

Current rating: 3 A

Insulation resistance: 5000 mΩ min.

Contact resistance per contact: 10 mΩ

Contact capacitance: 1 pF between contacts max.

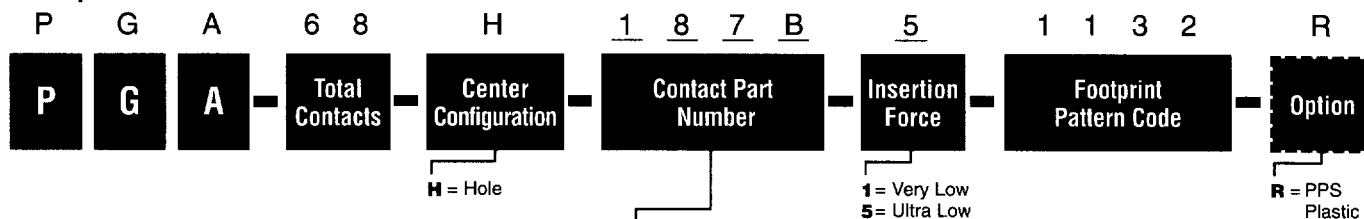
Voltage rating: 100 V

Mechanical Performance

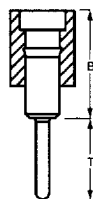
Mating cycles (durability): ≥ 100 at ±5 mΩ

Part Number Select Part Number from patterns below and add Contact Part Number from table

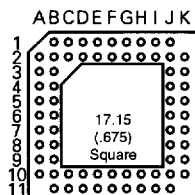
Example:



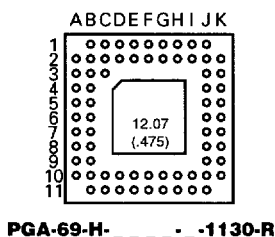
Common PGA Patterns



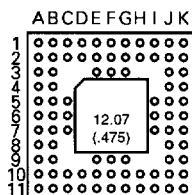
Contact Part No.	Clip/Shell Plating	Insertion Force	Extraction Force	Number of Fingers	T	B
187B	30 μ" Gold/200 μ" Tin	35 g Ultra Low	20 g	6	2.74 (.108)	3.10 (.122)
012B	10 μ" Gold/200 μ" Tin	65 g Very Low	28 g	6	3.18 (.125)	4.19 (.165)
003B	30 μ" Gold/200 μ" Tin	65 g Very Low	28 g	6	3.18 (.125)	4.19 (.165)
004B	30 μ" Gold/10 μ" Gold	65 g Very Low	28 g	6	3.18 (.125)	4.19 (.165)
008B	10 μ" Gold/200 μ" Tin	35 g Ultra Low	20 g	6	3.18 (.125)	4.19 (.165)
009B	30 μ" Gold/200 μ" Tin	35 g Ultra Low	20 g	6	3.18 (.125)	4.19 (.165)
010B	30 μ" Gold/10 μ" Gold	35 g Ultra Low	20 g	6	3.18 (.125)	4.19 (.165)
026B	30 μ" Gold/200 μ" Tin	35 g Ultra Low	20 g	6	3.81 (.150)	4.19 (.165)



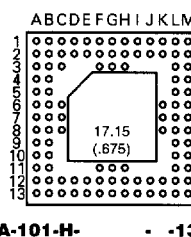
PGA-68-H - - - - - **-1132-R**



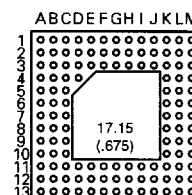
PGA-69-H - - - - - **-1130-R**



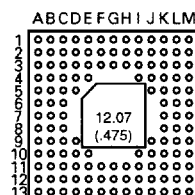
PGA-84-H - - - - - **-1109-R**



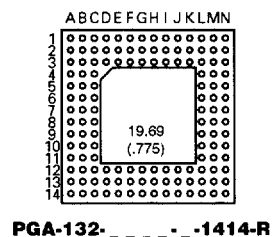
PGA-101-H - - - - - **-1321-R**



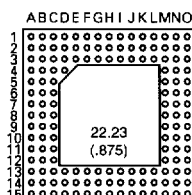
PGA-121-H - - - - - **-1312-R**



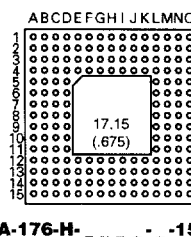
PGA-132-H - - - - - **-1367-R**



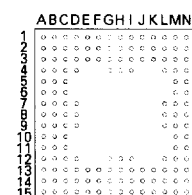
PGA-132 - - - - - **-1414-R**



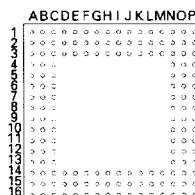
PGA-145 - - - - - **-1521-R**



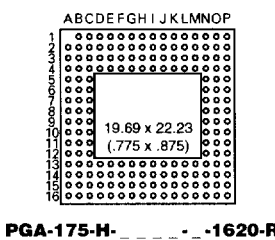
PGA-176-H - - - - - **-1512-R**



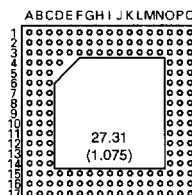
PGA-160-H - - - - - **-15C3-R**



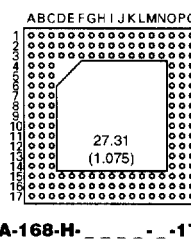
PGA-156-H - - - - - **-1611-FC**



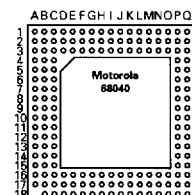
PGA-175-H - - - - - **-1620-R**



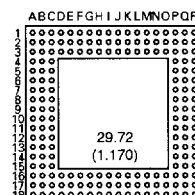
PGA-169-H - - - - - **-1709-R**



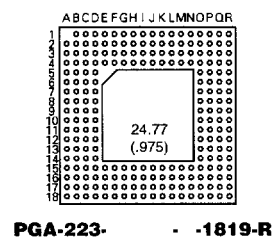
PGA-168-H - - - - - **-1706-R**



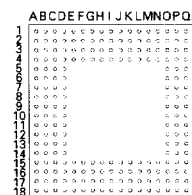
PGA-179-H - - - - - **-1836-R**



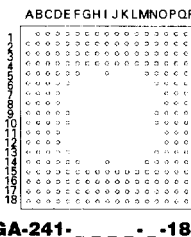
PGA-180-H - - - - - **-1806-R**



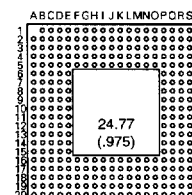
PGA-223 - - - - - **-1819-R**



PGA-224 - - - - - **-1804-R**



PGA-241 - - - - - **-1849-R**



PGA-299 - - - - - **-2010-R**