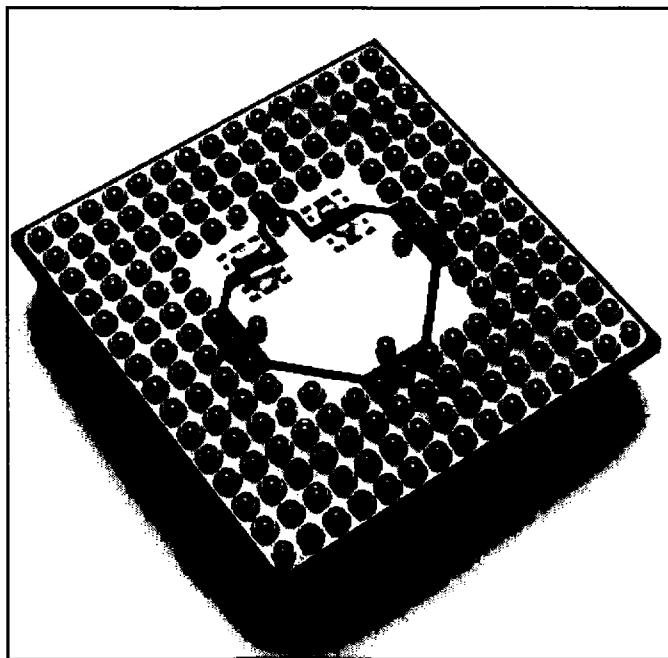


PGD & PGU | Pin Grid Array Series | Decoupling Sockets

Augat has combined its four fingered high reliability contacts with surface mount capacitors and circuit assembly to create a full line of dedicated and universal decoupling pin grid array sockets.

Augat's sockets offer several advantages:

- Enhanced electrical performance of devices.
- Reduce utilization of PCB space.
- Allows handling, inventory and installation of one component instead of three.
- PGD Series parts are dedicated to accommodate specific devices.
- PGU Series parts have universal electrical designs which can accommodate a wide range of devices, consult factory.
- Custom designs available, consult factory.

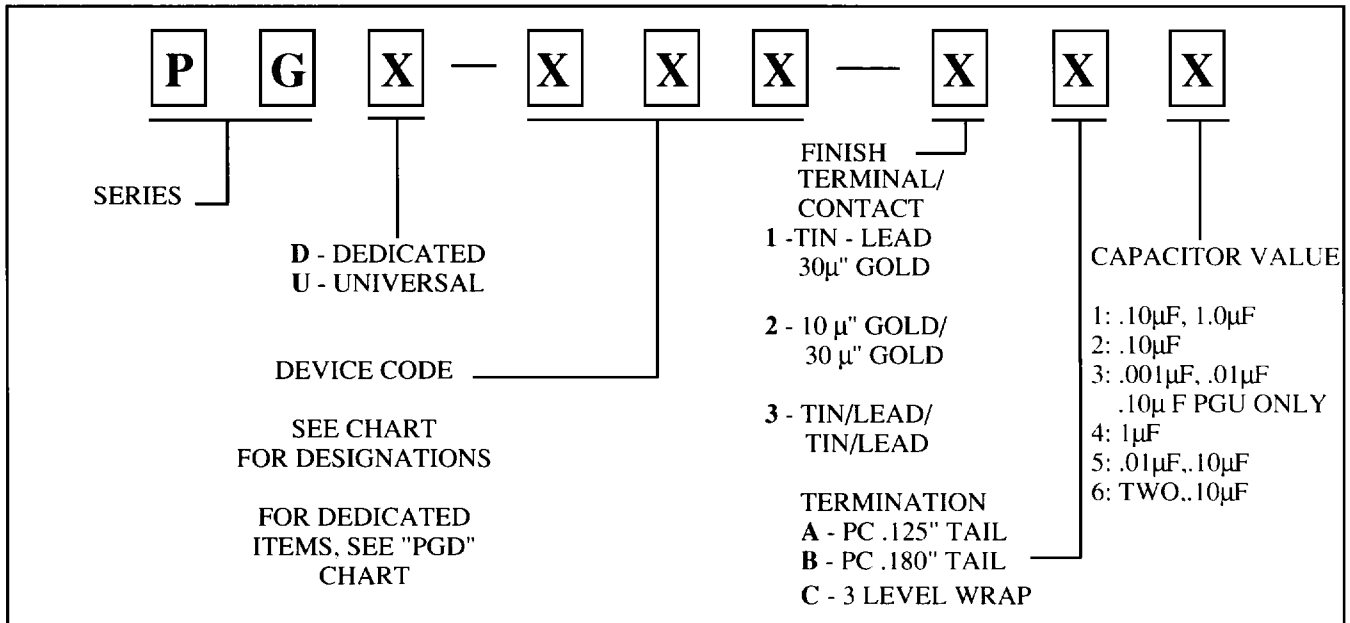


TYPICAL PERFORMANCE CHARACTERISTICS

CONTACT RESISTANCE.....	3.1 milliohms
CONTACT RATING.....	3 Amps
CAPACITANCE (ADJACENT CONACTS - MAX.).....	1.0 pF per MIL-S-83734
MOISTURE RESISTANCE.....	Passed MIL-STD-202 Method 106E
VIBRATION.....	Passed MIL-S-83734
SHOCK.....	Passed MIL-S-83734
DURABILITY.....	Passes 50 Cycles
TEMPERATURE CYCLING.....	Passed MIL-S-83734
INSULATION RESISTANCE.....	2 X 10 ⁶ Megohms Per MIL-S-83734
OPERATION TEMPERATURE.....	-55°C to +120°C
INNER CONTACT RETENTION.....	7.5 Lbs. Pin Average
NORMAL FORCE.....	1.48 Oz. (42 grams) Average
SOLDERABILITY.....	Passed MIL-STD-202 method 208D
INSERTION FORCE	1.94 Oz. (55 grams) Average with a.018 Dia. Pin
WITHDRAWAL FORCE.....	1.66 Oz. (47 grams) Average with a.018 Dia. Pin

PGD & PGU Series

PART NUMBER EXAMPLE (PGD-001-1A1)



PGD SERIES DEDICATED FOR SPECIFIC DEVICES

Device	Augat P/N	Device	Augat P/N
Motorola MC68000	PGD-001-XXX	10 X 10	PGU-001-XXX
Motorola MC 68012	PGD-002-XXX	11 X 11	PGU-002-XXX
Motorola MC 68440	PGD-003-XXX	12 X 12	PGU-003-XXX
Motorola MC 68605	PGD-004-XXX	13 X 13	PGU-004-XXX
Intel 80386	PGD-005-XXX	14 X 14	PGU-005-XXX
Intel 80186	PGD-006-XXX	15 X 15	PGU-006-XXX
Intel 8096-90	PGD-007-XXX	16 X 16	PGU-007-XXX
Analog Devices ADSP-1016	PGD-008-XXX	17 X 17	PGU-008-XXX
Analog Devices ADSP-1024	PGD-009-XXX	18 X 18	PGU-009-XXX
Hitachi HD68000Y	PGD-010-XXX	19 X 19	PGU-010-XXX
Motorola MC68030	PGD-011-XXX	20 X 20	PGU-011-XXX

* PGU Series can be programmed using Augat solder kit, Part Number: Kit-2 See Page F 42

MATERIAL SPECIFICATIONS

INSULATOR	Glass Epoxy, Circuit Fabricated to meet MIL-P-55110
INNER CONTACT	Beryllium Copper 30μ" Gold over Nickel or Tin/Lead Plated
OUTER SLEEVE	Brass, Tin/Lead or 10μ" Gold Plated

APPLICATION DIMENSIONS

- PCB Hole Size Range:
.035" ± .003" Solder Termination
.055" ± .0015" Solderless Wrap
- IC Pin Dimension Range:
.016" to .021" Diameter
.105" minimum length