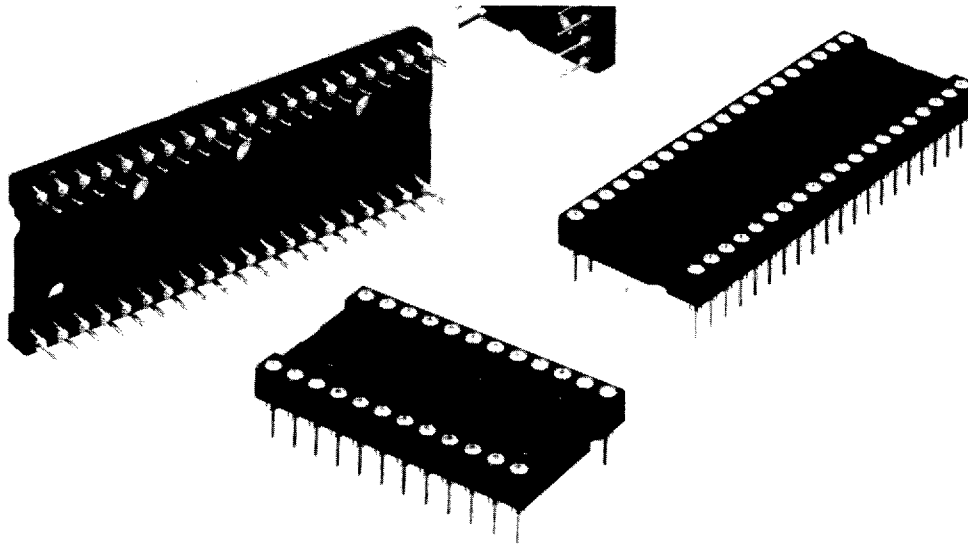


Precision I.C. Sockets with Solid Body Construction

A-23-05



The design and construction features of Garry's hi-rel, I.C. sockets with Swiss screw machine terminals provide multiple benefits for high reliability applications:

- Standard spring clip contacts provide excellent insertion-to-withdrawal ratios on I.C. leads as short as .090" to accommodate differences in lead lengths among chip suppliers.
- Four points of contact redundancy and standard gold plating on spring clip contacts provide maximum mechanical and electrical performance.
- Socket/terminals machined from solid bar stock provide plug-in I.C. leads with "closed bottom" protection from solder and flux.
- Mass-production of Swiss screw machine socket/terminals provides maximum contact precision and reliability at competitive prices.
- Standard, glass reinforced, thermoplastic bodies (UL 94V-O rated) permit low-profile component mounting.
- Precise socket body dimensions permit end-to-end and side-by-side packaging on .100" spacing patterns for space saving economy.

Materials:

Insulator: Glass reinforced, thermoplastic polyester, rated UL 94V-O. Color: Black

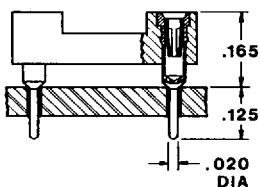
Spring contact: Beryllium copper, Gold over nickel plating

Outer sleeve: Brass
Gold over nickel
Tin over copper

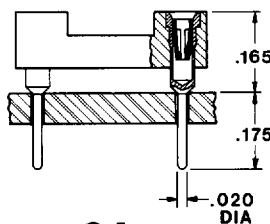
Plating options and specifications are available by contacting either the Garry factory or your local representative.

Optional sleeve hardness
¼ Hard available, consult factory.

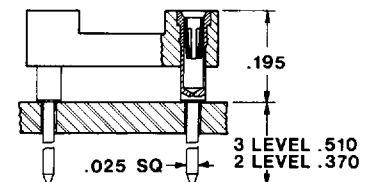
Mounting Options:



CC



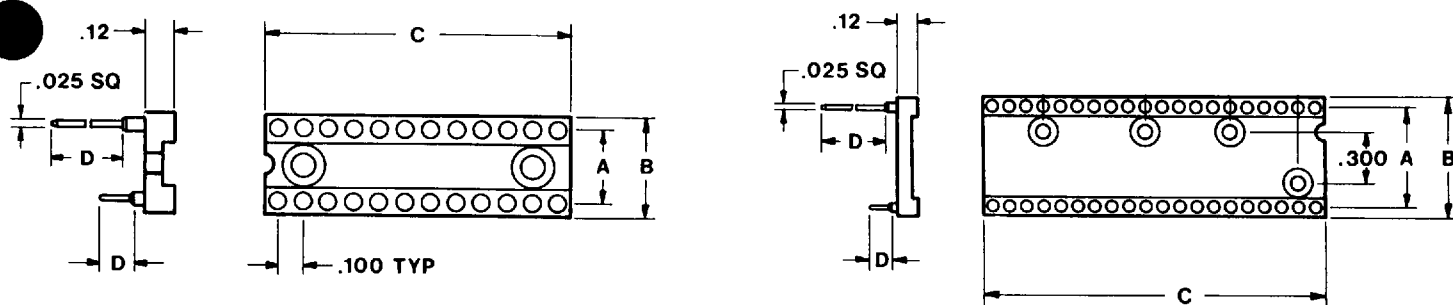
CJ



AA, BB



Precision I.C. Sockets with Solid Body Construction



XXX-XX - XX - X

SERIES-PIN COUNT				
	# OF PINS	A DIM. (in.)	B DIM. (in.)	C DIM. (in.)
102-06	6	.300	.399	.299
102-08	8	.300	.399	.399
102-14	14	.300	.399	.699
102-16	16	.300	.399	.799
102-18	18	.300	.399	.899
102-20	20	.300	.399	.999
102-22	22	.300	.399	1.099
102-24	24	.300	.399	1.199
400-22	22	.400	.499	1.099
400-24	24	.400	.499	1.199
300-06	6	.600	.699	.299
300-08	8	.600	.699	.399
300-14*	14	.600	.699	.699
300-16*	16	.600	.699	.799
300-18*	18	.600	.699	.899
300-24	24	.600	.699	1.199
300-28	28	.600	.699	1.399
300-32*	32	.600	.699	1.599
300-36*	36	.600	.699	1.799
300-40	40	.600	.699	1.999
300-48*	48	.600	.699	2.399
990-64*	64	.900	.999	3.199

PIN STYLE		
	DESCRIPTION	D DIM. (in.)
AA	3 level wire wrap	.510
BB	2 level wire wrap	.370
CC	Solder tail for .062 thick board	.128
CJ	Solder tail for .093 or .125 thick board	.178
CS	Solder tail for .062 thick board	.100

PIN PLATING			
	CONTACT	SLEEVE	THICKNESS (μ)
B	Gold	Gold	30/10
D	Gold	Tin	30/200
E	Tin	Tin	150/200
S	Gold	Tin/Lead	30/200
L	Gold	Tin	10/200

For additional platings consult factory rep.

*May be supplied in FR-4 glass epoxy depending on availability.

Typical Performance Characteristics:

Contact Resistance	10 Milliohms Maximum
Contact Rating	3 Amps
Capacitance (Contact to Contact)	1.0 pF Per MIL-STD-202 Method 305
Vibration	Passed MIL-STD-1344 Method 2005.1, Condition III, 15Gs
Shock	Passed MIL-STD-1344 Method 2004.1, Condition G, 100Gs
Insulation Resistance	2 x 10 ⁶ Megohms Per MIL-STD-1344 Method 3003.1
Dielectric Withstanding Voltage (DWV)	1000 VAC (RMS) per MIL-STD-1344 Method 3001.1
Operating Temperature	-55°C to + 125°C
Normal Force	105 Grams Min. With .018" Dia. Polished Steel Pin (Typ.)
Inner Contact Retention	7.5 Lbs. Per Line Average
Sleeve Retention In Plastic	3.0 Lbs. Per Line Minimum
Solderability	Passed MIL-STD-202 Method 208
Insertion Force	214 Grams (7.5 oz.) Average With .018" Dia. Polished Steel Pin
Withdrawal Force	94 Grams (3.3 oz.) Average With .018" Dia. Polished Steel Pin

