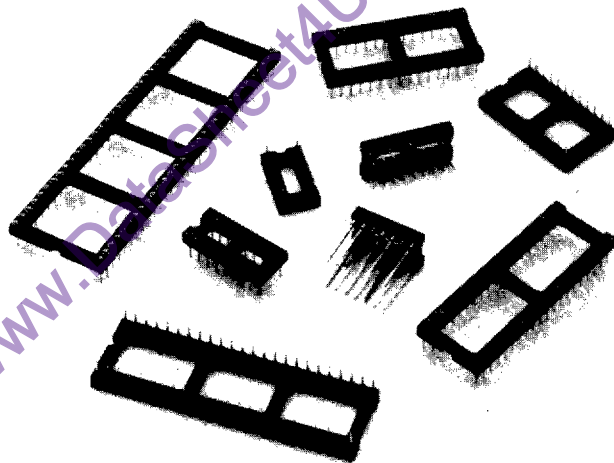


3.3



Garry's open frame construction offers enhanced cooling and ease of cleaning. The open frame series of sockets allows for visual inspection of all solder joints and circuits below the socket.

- Standard, glass reinforced, thermoplastic bodies (UL94V-0 rated) permit low-profile component mounting.
- Four fingered Beryllium copper 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.
- Precise socket body dimensions permit end-to-end and side-by-side stackable on .100" spacing.
- Precision design allows for ease of insertion using automatic insertion equipment.

- Precision machined outer sleeve features closed bottom to eliminate solder wicking problems.
- Withstands severe environmental conditions including military requirements of high shock and vibration.

Materials:

Insulator:

Glass reinforced, thermoplastic polyester, rated UL94V-0. Color: Black

Spring Contact:

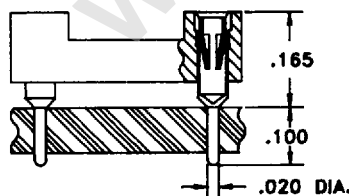
Beryllium copper, Gold over nickel plating

Outer sleeve:

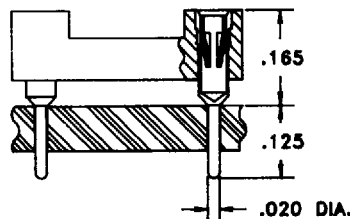
Brass. Gold over nickel.

Tin Lead over nickel plating.

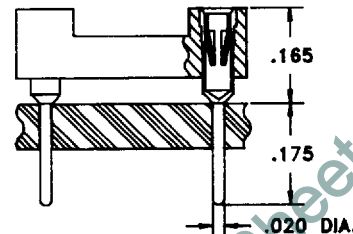
Plating options and specifications are available by contacting either the Garry factory or your local representative.



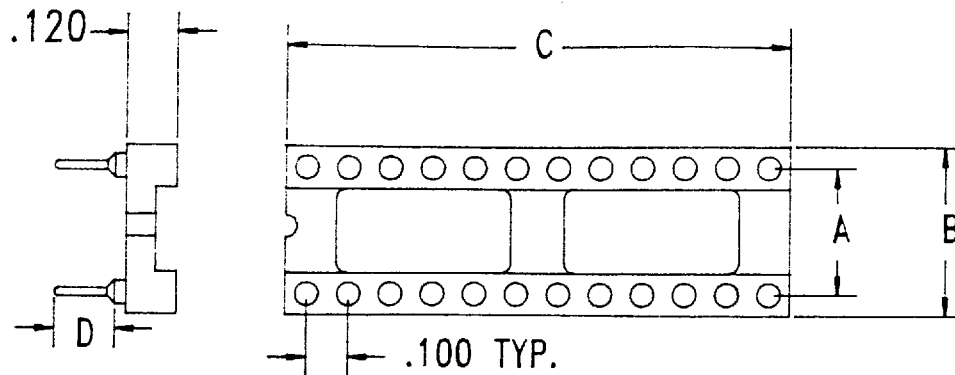
CS



CC



CJ



3.4

XXX-XX - XX - X

SERIES-PIN COUNT				
	#OF PINS	A DIM.(in.)	B DIM.(in.)	C DIM.(in.)
620-10	10	.200	.299	.499
610-04	4	.300	.399	.199
610-06	6	.300	.399	.299
610-08	8	.300	.399	.399
610-10	10	.300	.399	.499
610-14	14	.300	.399	.699
610-16	16	.300	.399	.799
610-18	18	.300	.399	.899
610-20	20	.300	.399	.999
610-22	22	.300	.399	1.099
610-24	24	.300	.399	1.199
610-28	28	.300	.399	1.399
610-32	32	.300	.399	1.599
640-22	22	.400	.499	1.099
640-24	24	.400	.499	1.199
640-28	28	.400	.499	1.399
640-32	32	.400	.499	1.599
630-24	24	.600	.699	1.199
630-28	28	.600	.699	1.399
630-32	36	.600	.699	1.599
630-36	36	.600	.699	1.799
630-40	40	.600	.699	1.999
630-48	48	.600	.699	2.399
690-64	64	.900	.999	3.199

PIN STYLE		
DESCRIPTION		D DIM.(in.)
CS	Solder Tail For .062 Thick Board	.100
CC	Solder Tail For .062 Thick Board	.125
CJ	Solder Tail For .093 or .125 Thick Board	.175

PLATING			
	CONTACT	SLEEVE	THICKNESS(u)
B	Gold	Gold	30/10
D	Gold	Tin	30/200

Specifications

Material Specifications for Screw Machine Products

Insulators

High temperature vapor phase and infrared compatible

Ryton (PPS)	
Continuous use temp.	220°c
Heat deflection temp.(@ 264 PSI)	260°c
UL rating	94V-0
FR-4 Glass Epoxy	
Continuous use temp.	140°c
Heat deflection temp.(@ 264 PSI)	149°c
UL rating	94V-0

Standard temperature wave solder compatible

Thermoplastic Polyester (PBT)	
Continuous use temp.	140°c
Heat deflection temp.(@ 264 PSI)	204°c

Kapton	
Temperature rating	-269°c to +400°c
Thickness	.005/ .007
U/L94 VO rated	

Politrex	
Temperature rating	-60°c to +150°c
Thickness	.005/ .007
U/L94 VO rated	

Outer Body/Terminal

Brass - Alloy 360 Q hard per QQ-B-626

Contact Clips

Beryllium Copper (Be Cu) #25 hard heat treated

Plating Specifications

Plating Code "B"

Contact: 30 micro inches of gold per MIL-G-45204 over 50 micro inches min. of nickel per QQ-N-290

Outer Body: 10 micro inches of gold per MIL-G-204 type II over 50 micro inches min. of nickel per QQ-N-290

Plating Code "D"

Contact: 30 micro inches of gold per MIL-G-45204 type II over 50 micro inches min. of nickel per QQ-N-290

Outer Body: 200 micro inches min. of 90/10 tin lead per MIL-P-81728 type 1 over 50 micro inches min. of nickel per QQ-N-290

*Other Plating Requirements consult factory

Garry offers three (3) types of inter contact clips.

- *Standard insertion clip - 4 finger (used on SIP/DIP products)*
- *Low insertion clip - 6 finger (used on PGA STD Pin counts)*
- *Ultra low insertion clip - 3 finger (used on high pin count PGA and Interstitial PGA)*

Insertion/withdrawal specification using a .018 dia. polished steel pin

	<i>INS</i>	<i>withdrawal</i>
STD 4 finger clip	8 oz max	3 oz min
Low insertion clip	2 oz max	0.5 oz min
Ultra low insertion clip	1 oz max	0.3 oz min

Typical performance characteristics for Screw Machine Products

- *Contact Resistance (MIL-STD-202 E method 302)*
10 MIL/ohms max percontact
- *Contact Rating (for 10 C temperature rise)*
3 Amps
- *Capacitance (MIL-STD-202E method 302)*
0.2 PF
- *Insulation Resistance (MIL-STD-1344 method 3003.1)*
10,000 Megaohms(min)
- *Dielectric Withstanding Voltage(DWV) (MIL-STD-1344 method 3001.1)*
1000 VAC(RMS)
- *Vibration (MIL-STD-1344 method 2005.1 condition III)*
- *Shock (MIL-STD-1344 method 2004.1 condition G)*
- *Solderability (MIL-STD-202 method 208)*

