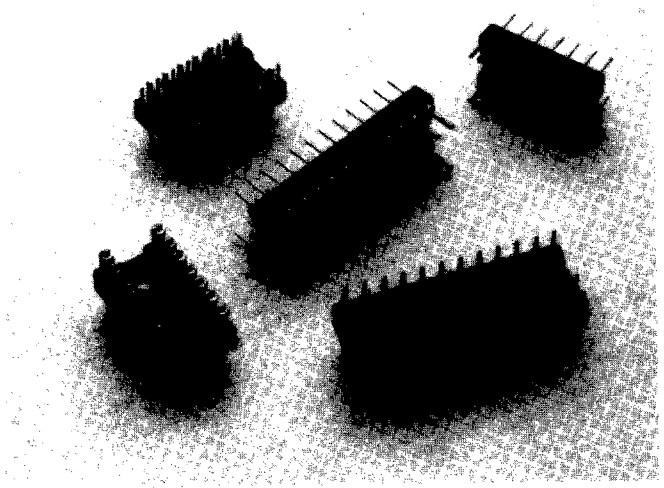


Screw Machine Adapters-Single and Dual Precision SIL, DIL, TIL, QIL Adapter Strips

A-2305

6.3



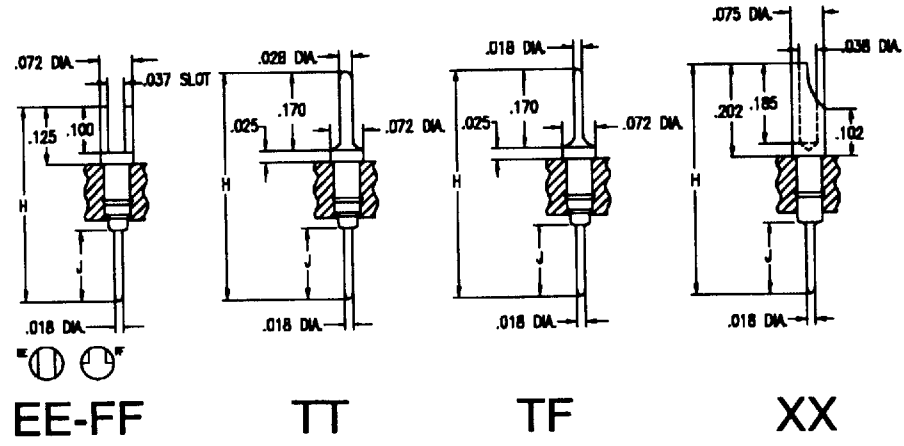
Solid body construction and precision screw machine terminals assure durability even with repeated insertion and withdrawals. Adapter headers offer many different types of terminals on .300", .400", .600" and .900" centers to fill your requirements.

Materials

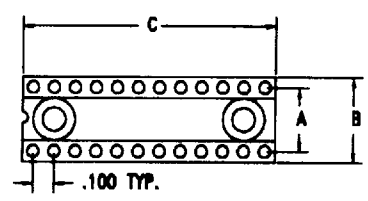
Insulator:
Glass reinforced thermoplastic polyester, rated UL94V-0. Color: Black.

Terminals:
Brass, Gold over nickel. Tin lead plating.

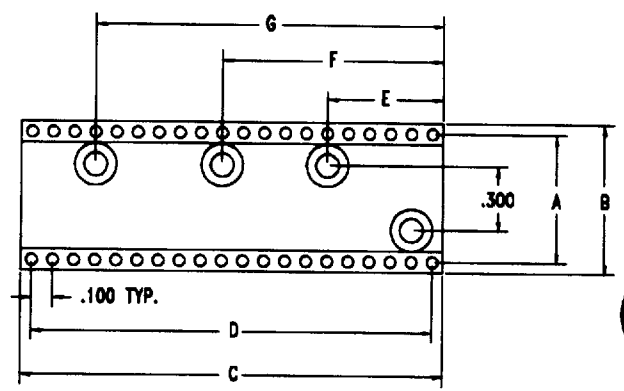
Plating options and specifications are available by contacting either the Garry factory or your local representative.



Screw Machine Adapters-Single and Dual Precision SIL, DIL, TIL, QIL Adapter Strips



102 & 400 SERIES



300 & 990 SERIES

300 & 990 SERIES(in.)

NO. OF TERMINALS	D ±.005	E ±.005	F ±.005	G ±.005
14	.600	.400	-	-
16	.700	.400	-	-
18	.800	.400	-	-
24	1.100	.400	.900	-
28	1.300	.400	.900	-
36	1.700	.400	.900	1.500
40	1.900	.400	.900	1.500

6.4

XXX-XX - XX - X

SERIES-PIN COUNT				
P/N	#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			
	FIG.	H DIM.(in.)	J DIM.(in.)
EE	1	.414	.154
FF	1	.414	.154
TT	2	.480	.155
XX	3	.490	.155
TF	4	.480	.155

PLATING		
	SLEEVE	THICKNESS(u)
B	Gold	10
D	Tin	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

16.1

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)*

