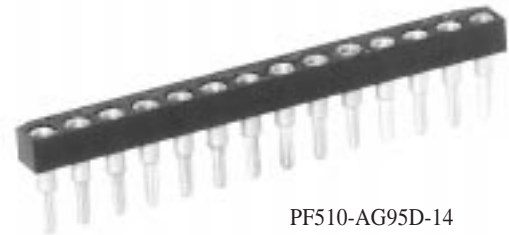
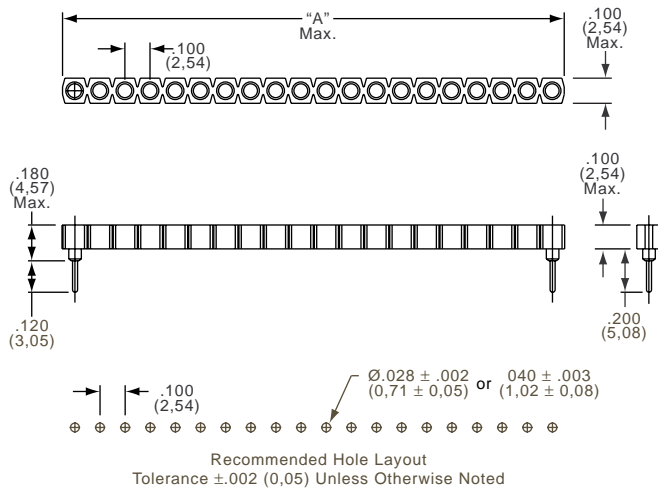


Press Fit SIP Sockets PF510 Series



PF510-AG95D-14

B

FEATURES:

- Press-fit design does not require soldering
- Available in two sizes to fit a .028 (0,71) or .040 (1,02) finished hole
- Can be purchased in strips of 1 to 20 contacts
- Precision four-finger inner contact provides concentric funnel entry for easy lead insertion

APPLICATION DIMENSIONS:

- PCB Thickness Range: .093"(2,36) minimum
- PCB Finished Hole
Size Range: .028" ± .002" (0,71 ± 0,05) or .040" ± .003" (1,02 ± 0,08)
- IC Pin Dimension Range: .016" x .021" (0,41 x 0,53) round lead
.105" (2,67) min. length

MATERIAL SPECIFICATIONS:

Insulator Thermoplastic polyester, UL rated 94V-0
Sleeve Formed copper
Contact Beryllium copper
Sleeve Plating Tin/lead
Contact Plating Gold or tin/lead

PART NUMBERS

Part Number	Number of Positions	Rec. Finished Hole Size	Contact Plating	"A"
PF510-AG93D-10	10	.028	Gold	1.000
PF510-AG94D-10	10	(0,71)	Tin/Lead	(25,40)
PF510-AG95D-10	10	.040	Gold	1.000
PF510-AG96D-10	10	(1,02)	Tin/Lead	(25,40)
PF510-AG93D-20	20	.028	Gold	2.000
PF510-AG94D-20	20	(0,71)	Tin/Lead	(50,80)
PF510-AG95D-20	20	.040	Gold	2.000
PF510-AG96D-20	20	(1,02)	Tin/Lead	(50,80)

For sizes not shown, please consult factory.

For Pressfit DIP sockets, see page E5.

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration Passed MIL-STD-1344, Method 2005, Condition II
Shock Passed MIL-STD-1344, Method 2004, Condition C, 100 G's
Durability Passed MIL-STD-1344, Method 2016
Normal Force 200 Grams (7.1 oz.) average with .018" (0,46) dia. polished steel pin (typ.)
Inner Contact Retention 7.5 Lbs. per line average
Sleeve Retention in Plastic 3.0 Lbs. per line minimum
Pin Retention in Board .. 5.0 Lbs. min. per MIL-STD 2166
Insertion Force 179 Grams (6.3 oz.) average with a .018" (0,46) dia. polished steel pin
Withdrawal Force 63 Grams (2.2 oz.) average with a .018" (0,46) dia. polished steel pin

ELECTRICAL

Contact Resistance 10 Milliohms
Contact Rating 3 Amps
Capacitance 1.0 pF per MIL-STD 202, Method 305 (contact to contact)
Insulation Resistance 5,000 Megohms min. per MIL-STD-1344, Method 3003.1
Dielectric Withstanding Voltage 1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

Humidity Passed MIL-STD-1344, Method 1002.2, Cond. II
Operation Temperature .. Gold Inner Contact -55° C to +125° C, Tin/Lead Inner Contact -55° C to +105° C
Thermal Shock Passed MIL-STD-1344, Method 1003.1, Cond. A
Gas Tight Passed EIA-364-36

Need more technical information?

Contact your local ABE office or
<http://www.AboveBoardElectronics.com>