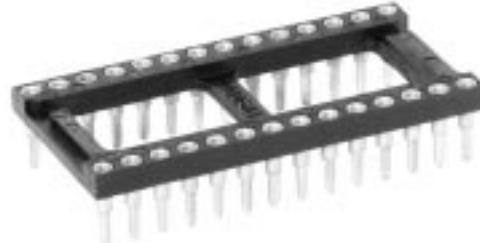


PF510 & PF800 Series *Pressfit SIP & DIP Sockets*



PF510-AG95D-14



PF828-AG95D-28

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FEATURES:

- Press fit design does not require soldering
- Available in two sizes to fit .028" (0,71) or .040" (1,02) finished hole
- Available in 8 through 64 pin DIP or 1 to 20 pin SIP packages
- Precision four-finger inner contact provides concentric funnel entry for easy lead insertion

APPLICATION DIMENSIONS:

- PCB Thickness Range: Standard .093" (2,36) minimum
- IC Pin Dimension Range: .016"(0,41) thru .021" (0,53) dia., .105" (2,67) min. length
- PCB Hole Size Range: .028" ± .002" (0,71 ± 0,05) and .040 ± .003" (1,02 ± 0,13)

MATERIAL SPECIFICATIONS:

Insulator Thermoplastic polyester, UL 94V-0
 Inner Contact Beryllium copper, gold or tin/lead plated
 Sleeve Brass, tin/lead plated

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

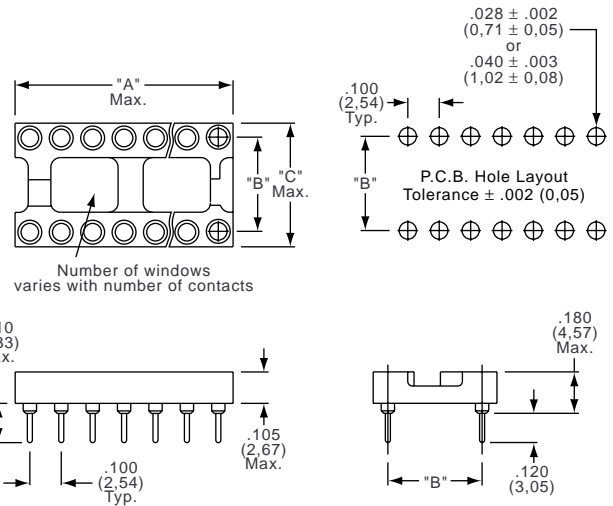
Humidity Passed MIL-STD-1344, Method 1002.2, Cond. II
 Operation Temperature .. Gold inner contact -55° C to +125° C, Tin/lead inner contact -55° C to +105° C
 Thermal Shock Passed MIL-STD-1344, Method 1003.1, Cond. A
 Gas Tight Passed EIA-364-36

Pressfit DIP Sockets PF800 Series

STANDARD CONFIGURATIONS

Number of Contacts	A	B*	C	Number of Contacts	A	B*	C
8	.400 (10,16)	.300 (7,62)	.400 (10,16)	24	1.200 (30,48)	.600 (15,24)	.700 (17,78)
14	.700 (17,78)			28	1.400 (35,56)		
16	.800 (20,32)			32	1.600 (40,64)		
18	.900 (22,86)			36	1.800 (45,72)		
20	1.000 (25,40)			40	2.000 (50,80)		
22	1.100 (27,94)	.400 (10,16)	.500 (12,70)	42	2.100 (53,34)	.900 (22,86)	1.000 (25,40)
24	1.200 (30,48)	.300 (7,62)	.400 (10,16)	48	2.400 (60,96)		
24		.400 (10,16)	.500 (12,70)	64	3.200 (81,28)		

* Dimension B ± .005
(0,13)



PF800 PART NUMBERS

Part Number	Position	Recommended Finished Hole Size	Centerline	Contact Plating	Part Number	Position	Recommended Finished Hole Size	Centerline	Contact Plating
PF808-AG11D28	8	.028 (0,71)	.300 (7,62)	Gold	PF824-AG66D28	24	.028 (0,71)	.400 (10,16)	Gold
PF808-AG12D28	8			Tin/Lead	PF824-AG14D28	24			Tin/Lead
PF808-AG11D40	8	.040 (1,02)	.300 (7,62)	Gold	PF824-AG66D40	24	.040 (1,02)	.600 (15,24)	Gold
PF808-AG12D40	8			Tin/Lead	PF824-AG14D40	24			Tin/Lead
PF814-AG11D28	14	.028 (0,71)	.300 (7,62)	Gold	PF828-AG11D28	28	.028 (0,71)	.600 (15,24)	Gold
PF814-AG12D28	14			Tin/Lead	PF828-AG12D28	28			Tin/Lead
PF814-AG11D40	14	.040 (1,02)	.300 (7,62)	Gold	PF828-AG11D40	28	.040 (1,02)	.600 (15,24)	Gold
PF814-AG12D40	14			Tin/Lead	PF828-AG12D40	28			Tin/Lead
PF816-AG11D28	16	.028 (0,71)	.300 (7,62)	Gold	PF832-AG11D28	32	.028 (0,71)	.600 (15,24)	Gold
PF816-AG12D28	16			Tin/Lead	PF832-AG12D28	32			Tin/Lead
PF816-AG11D40	16	.040 (1,02)	.300 (7,62)	Gold	PF832-AG11D40	32	.040 (1,02)	.600 (15,24)	Gold
PF816-AG12D40	16			Tin/Lead	PF832-AG12D40	32			Tin/Lead
PF818-AG11D28	18	.028 (0,71)	.300 (7,62)	Gold	PF836-AG11D28	36	.028 (0,71)	.600 (15,24)	Gold
PF818-AG12D28	18			Tin/Lead	PF836-AG12D28	36			Tin/Lead
PF818-AG11D40	18	.040 (1,02)	.300 (7,62)	Gold	PF836-AG11D40	36	.040 (1,02)	.600 (15,24)	Gold
PF818-AG12D40	18			Tin/Lead	PF836-AG12D40	36			Tin/Lead
PF820-AG11D28	20	.028 (0,71)	.300 (7,62)	Gold	PF840-AG11D28	40	.028 (0,71)	.600 (15,24)	Gold
PF820-AG12D28	20			Tin/Lead	PF840-AG12D28	40			Tin/Lead
PF820-AG11D40	20	.040 (1,02)	.300 (7,62)	Gold	PF840-AG11D40	40	.040 (1,02)	.600 (15,24)	Gold
PF820-AG12D40	20			Tin/Lead	PF840-AG12D40	40			Tin/Lead
PF822-AG11D28	22	.028 (0,71)	.300 (7,62)	Gold	PF842-AG11D28	42	.028 (0,71)	.600 (15,24)	Gold
PF822-AG12D28	22			Tin/Lead	PF842-AG12D28	42			Tin/Lead
PF822-AG11D40	22	.040 (1,02)	.300 (7,62)	Gold	PF842-AG11D40	42	.040 (1,02)	.600 (15,24)	Gold
PF822-AG12D40	22			Tin/Lead	PF842-AG12D40	42			Tin/Lead
PF824-AG11D28	24	.028 (0,71)	.600 (15,24)	Gold	PF848-AG11D28	48	.028 (0,71)	.600 (15,24)	Gold
PF824-AG12D28	24			Tin/Lead	PF848-AG12D28	48			Tin/Lead
PF824-AG11D40	24	.040 (1,02)	.600 (15,24)	Gold	PF848-AG11D40	48	.040 (1,02)	.600 (15,24)	Gold
PF824-AG12D40	24			Tin/Lead	PF848-AG12D40	48			Tin/Lead
PF824-AG31D28	24	.028 (0,71)	.300 (7,62)	Gold	PF864-AG11D28	64	.028 (0,71)	.900 (22,86)	Gold
PF824-AG32D28	24			Tin/Lead	PF864-AG12D28	64			Tin/Lead
PF824-AG31D40	24	.040 (1,02)	.300 (7,62)	Gold	PF864-AG11D40	64	.040 (1,02)	.900 (22,86)	Gold
PF824-AG32D40	24			Tin/Lead	PF864-AG12D40	64			Tin/Lead

Need more technical information?

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

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Above Board Electronics
1918 Junction Avenue
San Jose, CA 95131
(800) 453-1692 FAX (408) 573-4343