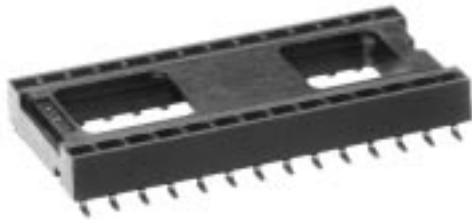


200SM Series *Surface Mount DIP Sockets*



228-AG19SM

FEATURES:

Augat offers two styles of surface mount sockets: The stamped single beam 200SM Series and the precision machined 800SM Series. Both series achieve compliancy to the board surface and are designed for high temperatures typical of vapor phase and infrared reflow soldering.

- "L" bent lead design achieves high compliancy to board surface
- Single beam contact provides gas tight connection
- Enlarged vacuum pick and place surface area

APPLICATION DIMENSIONS:

- IC Pin Dimension Range: .008" x .015" (0,20 x 0,38) through .015" x .020" (0,38 x 0,51), .115" (2,92) min. length

MATERIAL SPECIFICATIONS:

Insulator Thermoplastic polyester, UL rated 94V-0
Contacts Phosphor bronze or beryllium copper
Plating Tin/lead

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration Passed MIL-STD-202, Method 204
Durability Passed MIL-STD-1344, Method 2016,
50 cycles min.
Normal Force 320 Grams (11.3 oz.) with .008" x .015"
(0,20 x 0,38) IC lead (typ.)
Contact Retention
in Plastic 400 Grams (14.1 oz.) minimum
Solderability Passed MIL-STD-202, Method 208
Insertion Force 305 Grams (10.8 oz.) average with a .013" x .020"
(0,33 x 0,51) dia. polished steel pin
Withdrawal Force 113 Grams (10.8 oz.) average with a .008" x .015"
(0,20 x 0,38) dia. polished steel pin

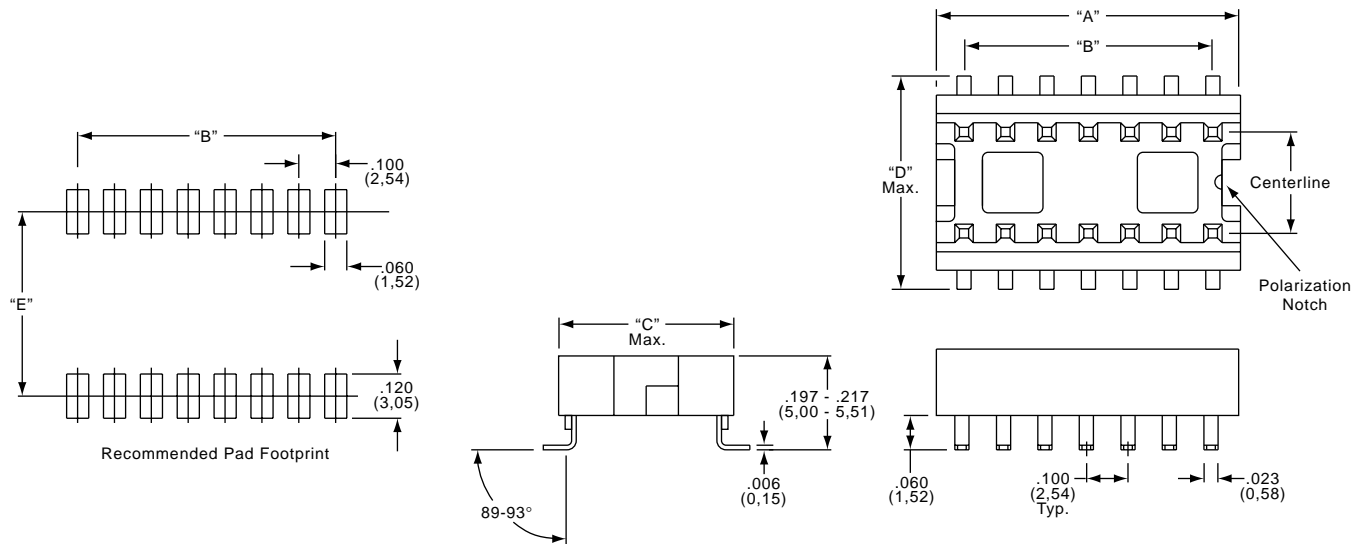
ELECTRICAL

Contact Resistance 10 Milliohms max.
Contact Rating 2 Amps
Capacitance2 pF per MIL-STD-202, Method 305
(contact to contact)
Insulation Resistance 3 x 10⁴ Megohms per MIL-STD-1344,
Method 3003.1
Dielectric Withstanding
Voltage 1,000 Volts RMS per MIL-STD-1344,
Method 3001

ENVIRONMENTAL

Humidity Passed MIL-STD-1344, Method 1002.2
Thermal Shock Passed MIL-STD-1344, Method 1003.1,
Operation Temperature .. Gold -55°C to +125°C
Tin -55°C to +105°C
Salt Spray Passed MIL-STD-1344, Method 1001.1

Surface Mount DIP Sockets 200SM Series



STANDARD CONFIGURATIONS

Number of Contacts	A	B	C	D	E
28	1.400 (35,56)	1.300 (33,02)	.700 (17,78)	.715 (18,16)	.660 (16,76)
32	1.600 (40,64)	1.500 (38,10)			

PART NUMBERS

Part Number	Position	Centerline	Contact Material
228-AG19DC	28	.600	Phosphor Bronze
228-AG39DC	28	(15,24)	Beryllium Copper
232-AG19DC	32	.600	Phosphor Bronze
232-AG39DC	32	(15,24)	Beryllium Copper

Consult factory for 24 position, .600 centerline availability

Need more technical information?

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