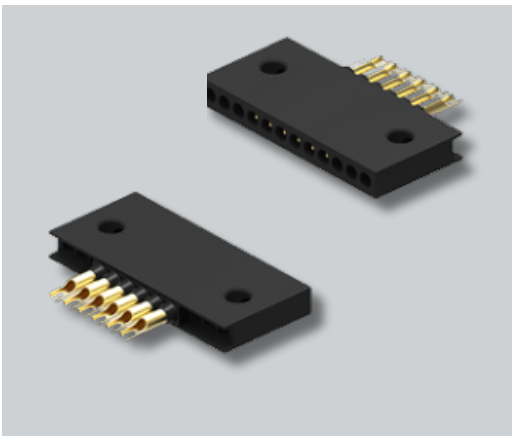


Solder Cup Contacts

Winchester Interconnect Micro offers Micro Strip Soldercup Contacts that provide a dependable and high-performance interconnect solution. Built with precision materials and engineered for durability, these connectors ensure stable electrical connections in demanding environments. Their robust construction and reliable contact integrity make them ideal for high-reliability applications.

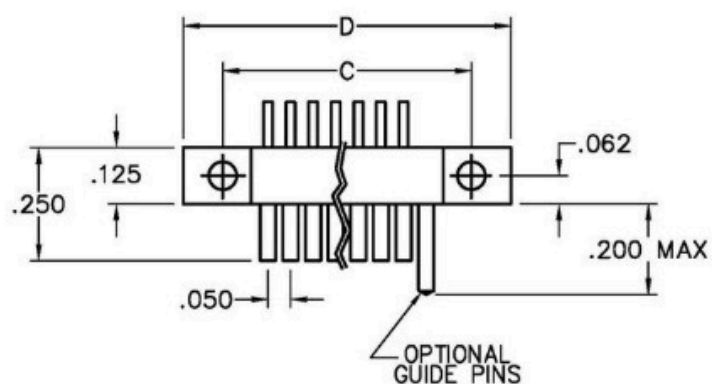


KEY FEATURES & BENEFITS

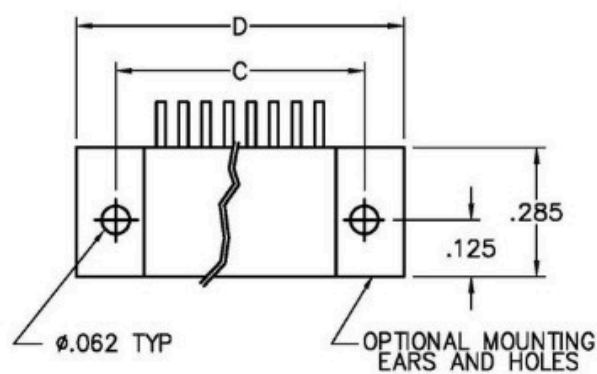
- Durable Contact Materials – Signal pin contacts made from C17200 Beryllium Copper and signal socket contacts from C31400 Bronze Alloy. Superior
- Conductivity – Features .000050 Thk Gold Plating for enhanced corrosion resistance and low contact resistance. Rugged Shell Design – Shell constructed
- from C36000 Brass Alloy with Electroless Nickel plating for strength and protection. High-Quality Insulator – Made from Polyphenylene Sulfide (PPS)
- per MIL-M-24519 GST-40F for excellent thermal and electrical stability. Secure Locking Mechanism – Includes a C17300 Beryllium Copper locking ring and a
- C36000 Brass Alloy actuating ring for reliable retention. Effective Sealing – Equipped with a 70 Durometer Nitril (Buna-N) O-Ring for improved
- environmental sealing and performance.

Micro Strip Soldercup Contacts

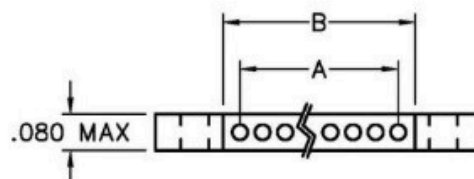
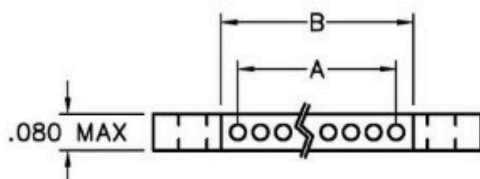
DIMENSIONAL



Receptacle



Plug



Basic Strip Dimensional Formula: $A = (\text{No. of positions} - 1) \times 0.050''$ 1st to last contacts. $B = A + 0.075''$ - overall without ears.
 $C = A + 0.200''$ - center to center of mounting holes. $D = A + 0.375''$ - overall with ears.

Micro Strip Soldercup Contacts

PERFORMANCE

Electrical Properties	
Contact Resistance	8 milliohm max contact only and 32 milliohms max with 6" wire @ 2.5A
Current Rating	3A max.
Dielectric WithStanding Voltage	600 VAC at sea level, 150 VAC at 70,000 feet. 1mA leakage current max.
Insulation Resistance	500 VDC and 5000 Megohms min.

Mechanical Properties	
Engaging Force	6 oz max. (Signal contacts only, no data for Power or Coax contacts)
Separation Force	.5 oz. min. (Signal contacts only, no data for Power or Coax contacts)
Mating/Unmating Force	10 oz x # of contacts max. (Signal contacts only, no data for Power or Coax contacts)
Vibration	EIA-364-28 Condition IV, 1 microsecond max discontinuity
Shock	EIA-364-27 Condition E, 1 microsecond max discontinuity
Durability	500 matings, passes Mating Force, CR, Eng and Sep Forces
Salt Spray	EIA 364-26 Condition B-48 hours

Micro Strip Soldercup Contacts

MATERIALS

Materials and Finishes	
Signal Pin Contacts	C17200 Beryllium Copper per ASTM B194
Signal Socket Contacts	C31400 Bronze Alloy per ASTM B140
Contact Plating	.000050 Thk Gold Plating per ASTM B488
Shell	C36000 Brass Alloy per ASTM B36
Shell Plating	Electroless Nickel per AMS 2404
Insulator Material	Polyphenylene Sulfide (PPS) Per MIL-M-24519 GST-40F
Lockign Ring	C17300 Beryllium Copper per ASTM B196 (plug side only)
Actuating Ring	C36000 Brass Alloy per ASTM B36 (plug side only)
O-Ring	70 Durometer Nitril (Buna-N)

Micro Strip Soldercup Contacts

HOW TO ORDER

