

Dual Row Double Ended Metal Shell Connectors

Winchester Interconnect Micro, formerly known as Ulti-Mate Connector, offers Nano Wired Dual Row Double Ended Metal Shell Connectors designed for durability and reliability in demanding environments. These metal shell connectors with wire leads operate across a wide temperature range from -55°C to 125°C , with high-temperature versions available up to 200°C (add HT). Available in configurations from 9 to 65 contacts, they meet MIL-DTL-32139 QPL qualifications, ensuring military-grade performance. Constructed with high-quality materials and precision plating, these connectors deliver exceptional electrical and mechanical integrity for mission-critical applications.

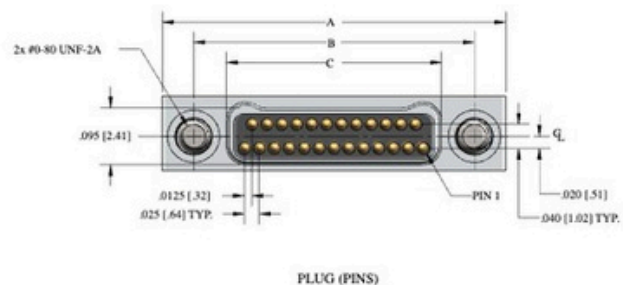
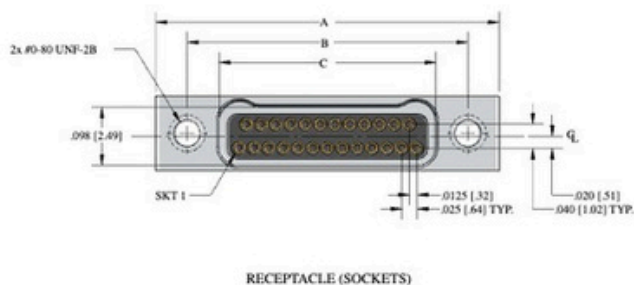
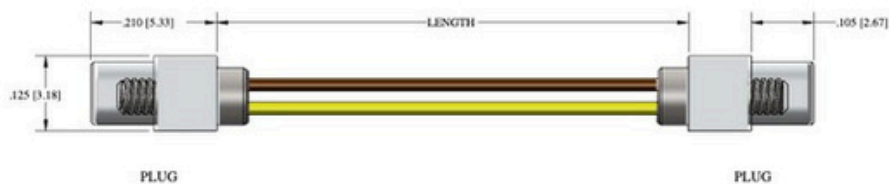


KEY FEATURES & BENEFITS

- Rugged Metal Shell – Made from 6061-T6 Aluminum or 300 Series Stainless Steel for superior strength and protection.
- Wide Temperature Range – Performs reliably from -55°C to 125°C ; high-temp versions up to 200°C available (add HT).
- High-Quality Contact Materials – Signal pins use C17200 Beryllium Copper per ASTM B194; sockets use C26000 Brass Alloy per ASTM B135.
- Gold-Plated Contacts – Gold plating per ASTM B488 ensures excellent conductivity and corrosion resistance.
- Durable Insulator Options – Available in LCP GLCP-30F or PPS per MIL-M-24519 GST-40F for long-term stability.
- Flexible Contact Configurations – Offered in 9 to 65 contacts for a range of design requirements.
- MIL-DTL-32139 Qualified – QPL-certified to meet stringent military and aerospace standards.

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DIMENSIONAL



Size	A	B	C	
			Receptacle	Plug
9	.375 [9.52]	.270 [6.86]	.160 [4.06]	.163 [4.14]
15	.450 [11.43]	.345 [8.76]	.235 [5.97]	.238 [6.04]
21	.525 [13.33]	.420 [10.67]	.310 [7.87]	.313 [7.95]
25	.575 [14.60]	.470 [11.94]	.360 [9.14]	.363 [9.22]
31	.650 [16.51]	.545 [13.84]	.435 [11.05]	.438 [11.12]
37	.725 [18.41]	.620 [15.75]	.510 [12.95]	.513 [13.03]
51	.900 [22.86]	.795 [20.19]	.685 [17.40]	.688 [17.47]
65	1.075 [27.30]	.970 [24.64]	.860 [21.84]	.863 [21.92]

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PERFORMANCE

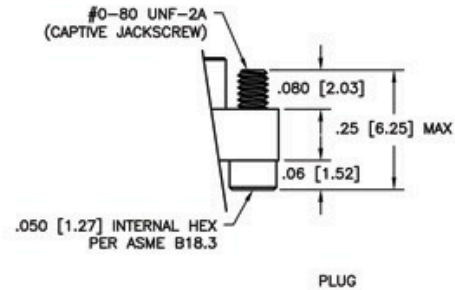
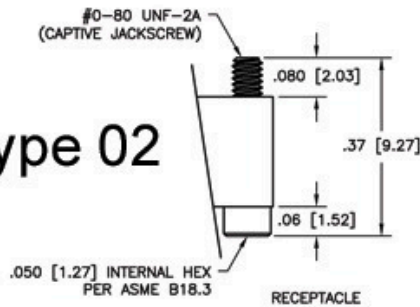
Electrical Properties	
Contact Resistance	33 milliohm max contact only and 87 milliohms max with 6" wire @ 1A
Current Rating	1A max.
Dielectric WithStanding Voltage	250 VAC at sea level, 100 VAC at 70,000 feet. 1mA leakage current max.
Insulation Resistance	100 VDC and 5000 Megohms min.

Mechanical	
Engaging Force	5 oz max.
Separation Force	.4 oz min.
Mating/Unmating Force	7 oz x # of contacts max.
Vibration	EIA-364-28 Condition IV, 1 microsecond max discontinuity
Shock	EIA-364-27 Condition G, 1 microsecond max discontinuity
Durability	EIA-364-09, 200 matings, passes Mating Force, CR, Eng and Sep Forces
Salt Spray	EIA 364-26 Condition B-48 hours

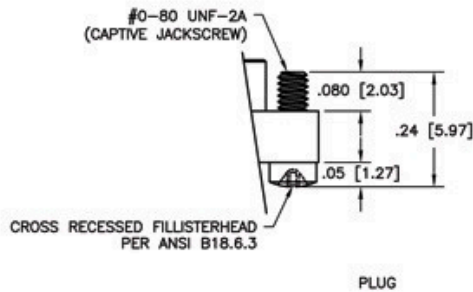
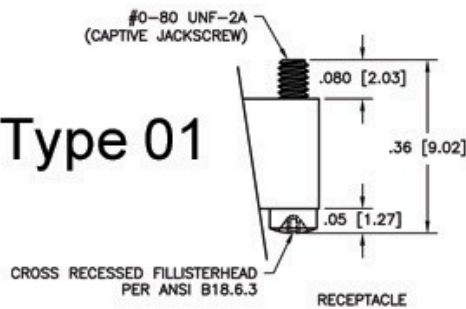
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HARDWARE

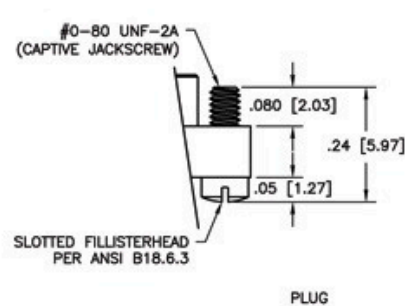
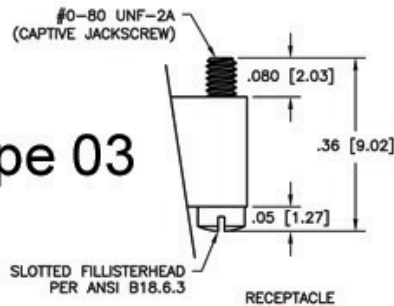
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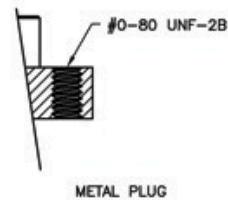
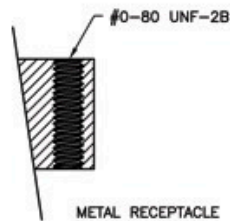
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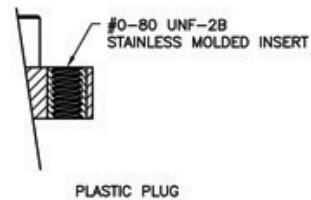
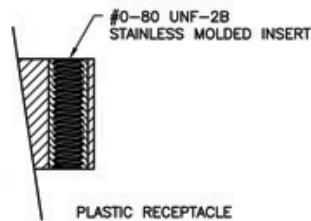
Type 03



Type 07



Type 07



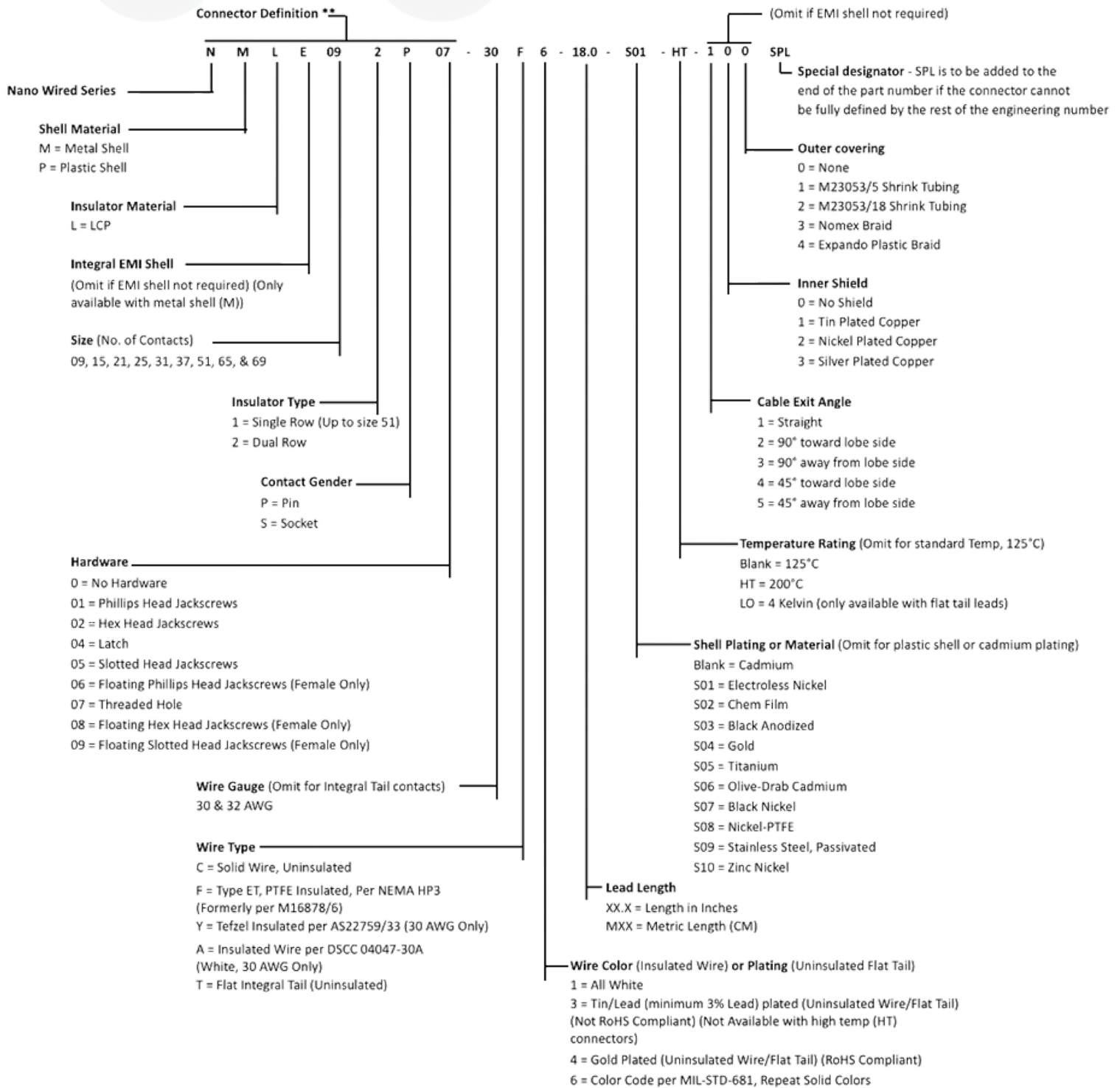
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MATERIALS

Materials and Finishes	
Signal Pin Contacts	C17200 Beryllium Copper per ASTM B194
Signal Socket Contacts	C26000 Brass Alloy per ASTM B135
Contact Plating	Gold Plating per ASTM B488
Shell	6061-T6 Aluminum per SAE-AMS-QQ-A200/8 or 300 Series Stainless Steel per ASTM A582
Shell Plating	Electroless Nickel per SAE-AMS2404, or Cadmium per SAE-AMS-QQ-P-416 or Black Anodize per MIL-A-8625 or Passivated per AMS2700
Insulator Material	LCP(Liquid Crystal Polymer) GLCP-30F or PPS per MIL-M-24519 GST-40F
Hardware	300 Series Stainless Steel per ASTM A 582/A582 or ASTM A 581/A581M, Passivated per SAE AMS-2700

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HOW TO ORDER



** For double ended assemblies, include connector definition for both ends separated by a forward slash (/)
Excludes Integral Shell assemblies ("E" option)