

Single Row Single Ended Connectors

Winchester Interconnect Micro, formerly known as Ulti-Mate Connector, offers Nano Wired Single Row Single Ended Connectors designed for precision, durability, and superior performance. These metal shell connectors with wire leads operate from -55°C to 125°C , with high-temperature versions up to 200°C (add HT) for extreme conditions. Available in 9 to 51 contacts, they ensure reliable performance in compact and demanding applications. As a QPL qualified supplier for MIL-DTL-32139 products, Winchester guarantees consistent quality and long-term dependability.

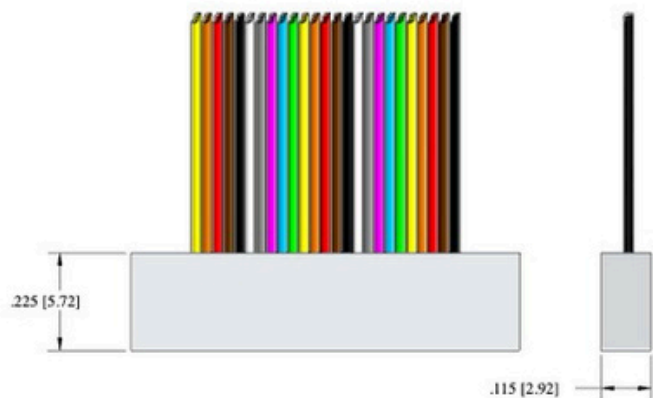


KEY FEATURES & BENEFITS

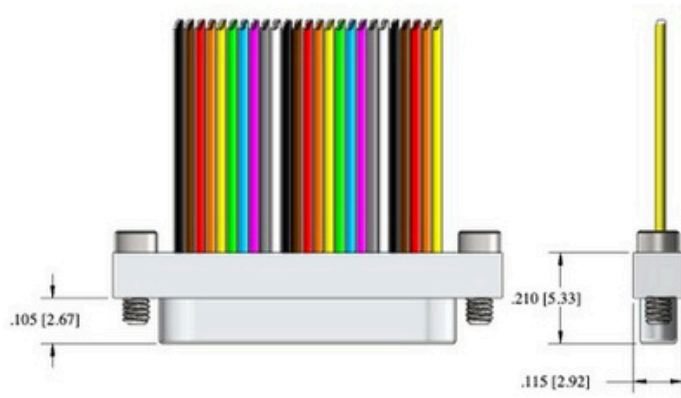
- Single Row Design – Compact and efficient layout suited for high-density applications.
- Metal Shell Construction – Ensures robust mechanical strength and shielding protection.
- Wide Temperature Range – Operates from -55°C to 125°C , extendable up to 200°C (HT option).
- Reliable Electrical Performance – Maximum contact resistance of 33 milliohms (contact only) and 87 milliohms with 6" wire at 1A.
- Dielectric Strength – Withstands 250 VAC at sea level and 100 VAC at 70,000 feet for insulation integrity.
- Qualified to MIL-DTL-32139 – Ensures military-grade quality and proven reliability.
- Flexible Contact Options – Available with 9 to 51 contacts to meet diverse interconnect needs.

Nano Wired Single Row Single Ended

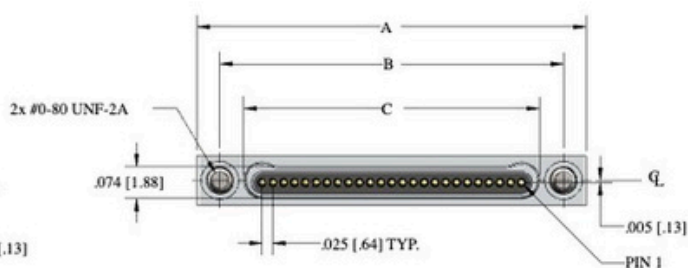
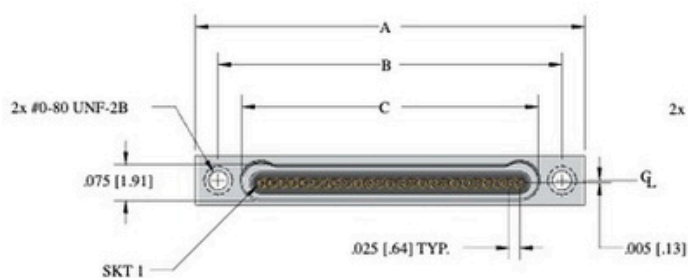
DIMENSIONAL



RECEPTACLE (SOCKETS)



PLUG (PINS)

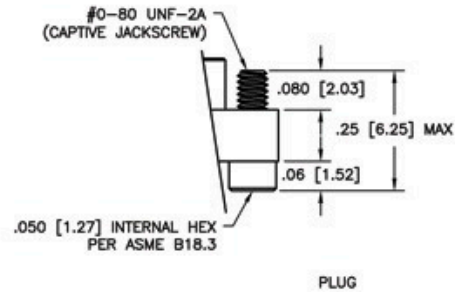
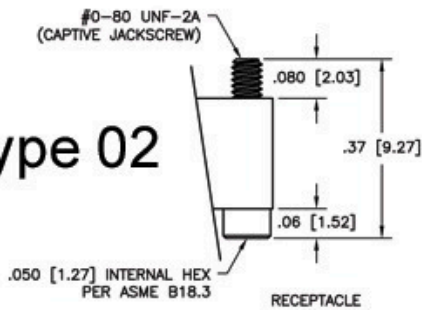


Size	A	B	C	
			Receptacle	Plug
9	.500 [12.70]	.395 [10.03]	.284 [7.21]	.285 [7.24]
15	.650 [16.51]	.545 [13.84]	.434 [11.02]	.435 [11.05]
21	.800 [20.32]	.695 [17.65]	.584 [14.83]	.585 [14.86]
25	.900 [22.86]	.795 [20.19]	.684 [17.37]	.685 [17.40]
31	1.050 [26.67]	.945 [24.00]	.834 [21.18]	.835 [21.21]
37	1.200 [30.48]	1.095 [27.81]	.984 [24.99]	.985 [25.02]
51	1.550 [39.37]	1.445 [36.70]	1.334 [33.88]	1.335 [33.91]

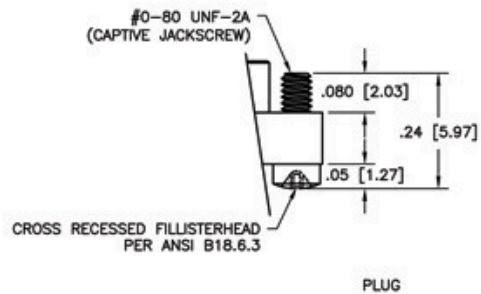
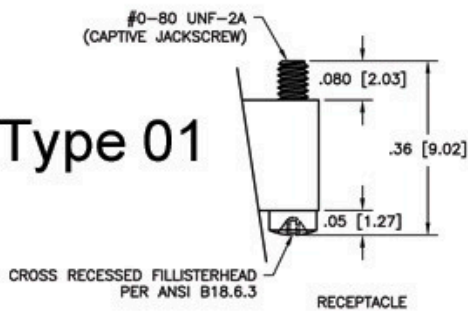
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HARDWARE

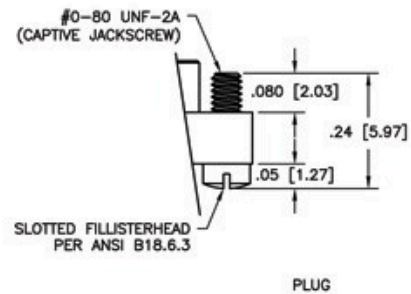
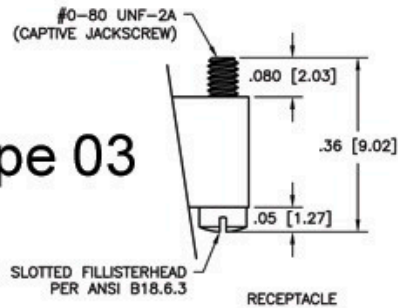
Type 02



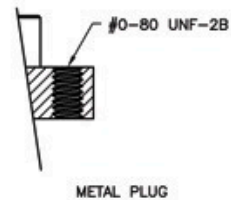
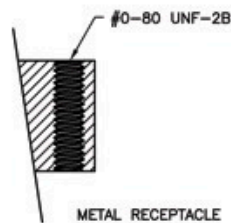
Type 01



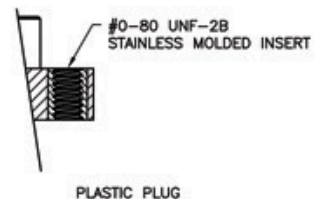
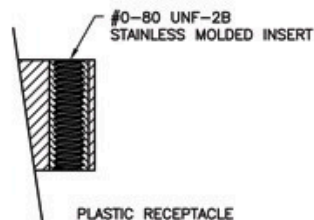
Type 03



Type 07



Type 07



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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

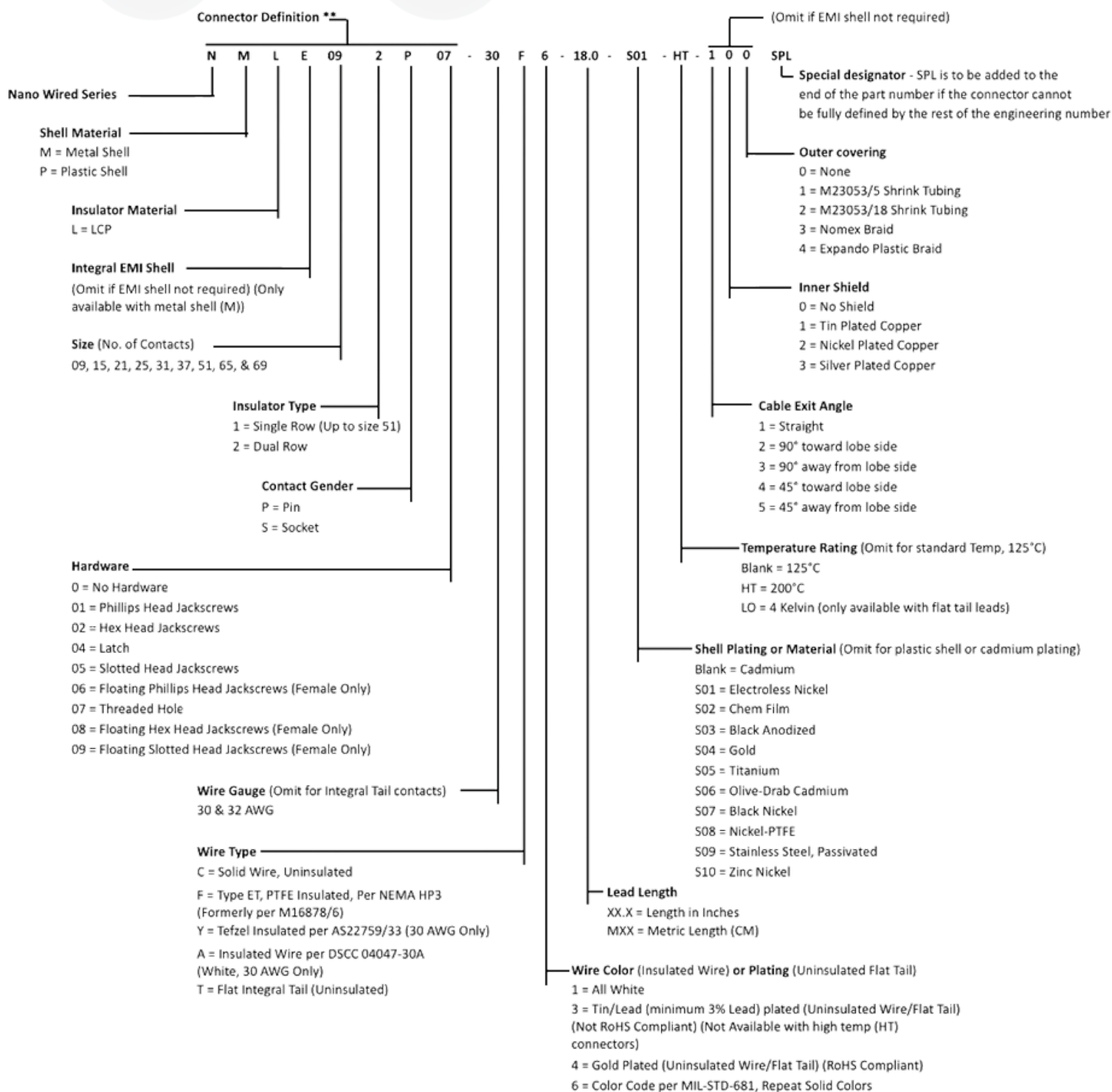
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MATERIALS

Materials and Finishes	
Signal Pin Contacts	C17410 Beryllium Copper per ASTM B768
Signal Socket Contacts	C17410 Beryllium Copper per ASTM B768
Contact Plating	Gold Plating per ASTM B488
PC Tails	C17410 Beryllium Copper per ASTM B768
PC Tail Plating	60/40 Tin/Lead plating per SAE-AMS-P-81728, or Gold plating per ASTM B488
Insulator Material	LCP(Liquid Crystal Polymer) GLCP-30F or PPS per MIL-M-24519 GST-40F

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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)