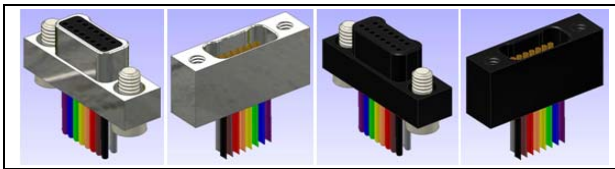
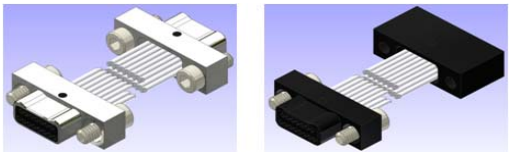
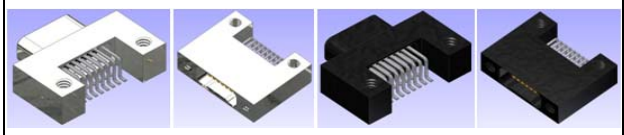
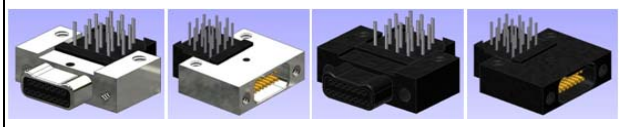
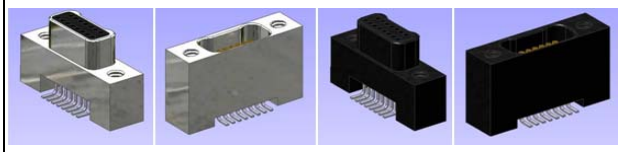
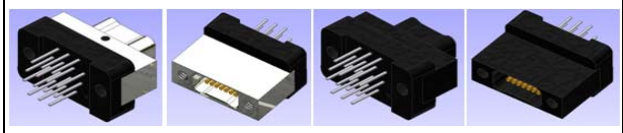
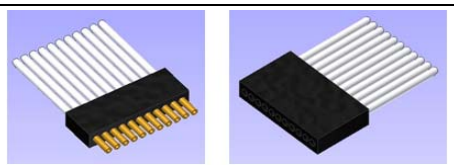
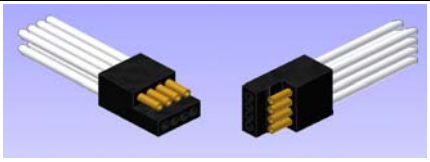
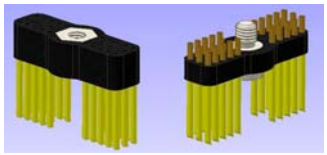
Cables, Hardware, and Latch Disconnects

NANO-D Material and Performance Specifications

0.635 mm (0.025") Pitch Connector

Ulti-Mate Connectors introduces the broadest product offering in the industry. We are the only company that can offer inter mateable metal shell and plastic shell configurations in accordance with Mil-DTL-32139

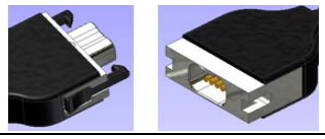
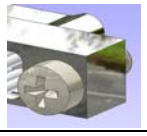
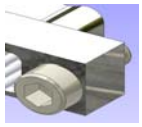
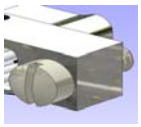
	**Wired Nano Plug and Receptacle** **Single Ended** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**Wired Nano Plug and Receptacle** **Double Ended** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**PCB Nano Plug and Receptacle** **Right Angle SMT** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**PCB Nano Plug and Receptacle** **Right Angle Thru Holes** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**PCB Nano Plug and Receptacle** **Vertical Mount SMT** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**PCB Nano Plug and Receptacle** **Vertical Mount Thru Holes** **1 or 2 Row Metal or Plastic Housing** **9, 15, 21, 25, 31, 37, 51 and 65 Positions**
	**Single Row Strip Nano Connector** **2 to 40 Positions** **Wired and PCB Configurations**
	**Dual Row Nano Hermaphroditic** **8 to 80 Positions** **Wired and PCB Configurations**
	**Dual Row Plastic Nano with Center Jackscrew** **21 Positions** **Wired and PCB Configurations**
	**Circular Plastic Nano** **7-12-19 Positions** **Wired Configurations**

Cables, Hardware, and Latch Disconnects

NANO-D Material and Performance Specifications

0.635 mm (0.025") Pitch Connector

ACCESSORIES

	**Overmolded Cable Assemblies for Metal or Plastic Nano-D and Circular Connectors**
	**Latch option for Metal or Plastic Nano-D Connector**
	**Phillips Head Hardware for Metal or Plastic Nano-D Connector**
	**Allen Head hardware for Metal or Plastic Nano-D Connector**
	**Slotted Head hardware for Metal or Plastic Nano-D Connector**

MATERIALS AND FINISHES

Contacts:	Pins: BeCu alloy strip per ASTM B 194 / Sockets: BeCu per ASTM-B-194
Molded Insulators into metal housing or Full plastic housing:	Insulating compound per MIL-M-24519
Contact Finish:	Gold plate per ASTM B 488, SAE AMS 2422
Shell:	Aluminum with electroless nickel or electrodeposited cadmium plating
Hardware:	Corrosion resistant steel per ASTM A 582/A582 or ASTM A 581/A581M Passivated per SAE AMS-2700

PERFORMANCE

Ulti-Mate Connector Inc. Nano Series meets or exceeds M32139 Performance Specifications

Contact Rating:	1-ampere maximum
Solderability:	Terminals (except crimp) tested in accordance with MIL-STD-202, Method 208
Wire Size:	Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
Test Voltage:	250 V, RMS, 60 Hz
Standard Operating Temperature:	-55º C to +125 º C
High-Temperature configuration available:	-55º C to +200 º C or +240 º C
Insulation Resistance:	5,000 megohms minimum @ 100 VDC
Durability:	200 connector mating cycles tested in accordance with EIA-364-09
Vibration:	Tested in accordance with EIA-364-28, Condition IV
Shock:	Tested in accordance with EIA-364-27, Condition G
Salt Spray:	Mated connectors tested in accordance with EIA-364-26, Condition B
Humidity:	Mated connectors tested in accordance with EIA-364-26, Condition A (except steps [illegible])
Thermal Shock:	Tested to the temperature extremes of EIA-364-32, Condition I
Contact Resistance:	0.021 volt maximum drop @ 1.0 amps (.021 ohms)
Contact Engaging Force:	5.0 ounce maximum, with minimum diameter test sleeve
Contact Separating Force:	0.4 ounce maximum, with minimum diameter test sleeve
Crimp Strength:	1 pound minimum tensile strength

Reference M32139

. Ulti-Mate Connector can manufacture special configurations for your exact specifications.

. Please Consult the factory for part numbering information and specification