

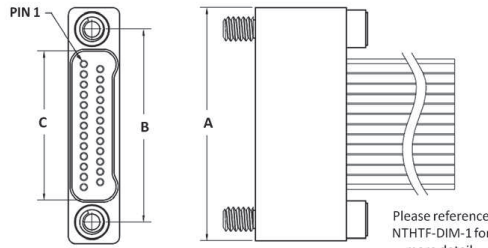


N SERIES
NANO
0.025"
(0.636 mm)

NMHT – I/O Cable (Female)

NMHT interconnects are used in high-temperature applications. These rugged cable connectors come with a variety of termination, hardware and wiring options. Custom lengths are available on wire termination products.

DIMENSIONS



DIMENSIONS			
SIZE	A	B	C
9	.375	.270	.163
15	.450	.345	.238
21	.525	.420	.313
25	.575	.470	.363
31	.650	.545	.438
37	.725	.620	.513
51	.900	.795	.688
65	1.075	.970	.863
69	1.125	1.020	.913

ORDER FORM

Sample Part Number Format: **NMHT-222-025-261-JCAC**

NMHT	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE
SERIES 0.025" Metal I/O Connector (Female)	ROWS 2 – 2-Row (9-69 contacts)	BODY STYLE 2 – Receptacle, straight 6 – Receptacle, straight with factory-installed backshell	BODY MATERIAL 2 – Liquid crystal polymer with electroless nickel shell 4 – Liquid crystal polymer with stainless steel shell	SIZE 009 – 9 Contacts 015 – 15 Contacts 021 – 21 Contacts 025 – 25 Contacts 031 – 31 Contacts 037 – 37 Contacts 051 – 51 Contacts 065 – 65 Contacts 069 – 69 Contacts	CONTACT/TERMINATION TYPE 26 – Socket, straight, crimped wire	PLATING 1 – 50 µ" Au contacts	HARDWARE 00 – No hardware JC – Turning jackscrews, captivated #0-80 UNF* TH – Threaded hole, #0-80 UNF*	WIRING XX – See Wiring Codes

NOTES

* 0.050 hex key (#0-80 thread)
 Recommended torque value: 1.0 inch-lbs max (#0-80 thread)
 Ball end hex wrench not recommended
 Hex wrench key/bit conforming to the requirements of ASME/ANSI B-18.3 is recommended
 0.050" hex L-key long arm wrench: order AirBorn part #CDG14148

MATERIALS and FINISHES

Sockets: BeCu per ASTM B194, or NiAg per ASTM B194
 Contact Finish: Gold plate per ASTM B488, SAE AMS-2422
 Shell: Aluminum with electroless nickel per SAE AMS-C-26074, or 303 stainless steel per ASTM A581/A581M or ASTM A582/A582M, passivated per SAE AMS-2700
 Molded Insulators: High-temp thermoplastic
 Embedment: High-temp epoxy
 Hardware: Corrosion-resistant steel per ASTM A582/A582M, passivated per ASTM A967, SAE AMS-QQ-P-35
 Tolerances (unless otherwise specified): Angles: ±2°
 Decimals: ±0.005"
 Wire lengths – insulated/stranded: +1.0"/-0.0"
 uninsulated/solid: +0.2"/-0.0"

NOTE: AirBorn can manufacture special configurations to your exact specifications.

NMHT-222-025-261-JCAC

Drawn Tube, Crimp (SOCKET)

PERFORMANCE

Contact Rating: 1 ampere maximum
 Solderability: Terminals (except crimp) tested per MIL-STD-202, Method 28
 Wire Size: Stranded #30 & #32 AWG or solid #30 AWG standard (consult factory for other sizes and types)
 Test Voltage: 250V, RMS, 60Hz
 Operating Temperature: -55° C to 205° C
 Insulation Resistance 5,000 megohms minimum @ 100 VDC
 Durability: 200 connector mating cycles
 Vibration: Tested per MIL-STD-1344, Method 2005, Cond. IV
 Shock: Tested per MIL-STD-1344, Method 2004, Cond. G
 Salt Spray: Tested (mated) per MIL-STD-1344, Method 1001, Cond. B
 Humidity: Tested (mated) per MIL-STD-1344, Method 1002, Type II (except steps 7a and 7b)
 Thermal Shock: Tested to temperature extremes of MIL-STD-1344, Method 1003, Cond. A (except step 3, temperature shall be 125° C)
 Contact Resistance: 0.022 V max drop at 1.0 amps (0.022 ohms)
 Contact Engaging Force: 5.0 ounce max with minimum diameter test sleeve
 Contact Separating Force: 0.4 ounce min with minimum diameter test sleeve
 Crimp Strength: 1 pound min tensile strength