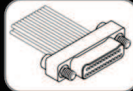




N
SERIES

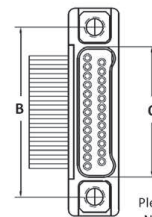
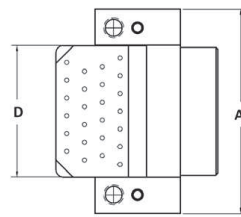
NANO
0.025"
(0.636 mm)



NKHT – Right Angle, Board-Mount (Male)

NKHT interconnects are used in high-temperature applications where a right angle, plated thru-hole termination is desired for mounting.

DIMENSIONS



Please reference
NKHTM-DIM-1
for more detail.

DIMENSIONS				
SIZE	A	B	C	D
9	.375	.270	.160	.170
15	.450	.345	.235	.245
21	.525	.420	.310	.320
25	.575	.470	.360	.370
31	.650	.545	.435	.445
37	.725	.620	.510	.520
51	.900	.795	.685	.695
65	1.075	.970	.860	.870
69	1.125	1.020	.910	.920

ORDER FORM

Sample Part Number Format: NKHT-2E2-025-325-TH00

ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE
NKHT								
SERIES 0.025" Metal PC Board-Mounted Connector (Male)	ROWS 2 – 2-Row (9-69 contacts)	BODY STYLE E – Plug, right angle, plated thru-hole	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	PLATING 3 – 50 µ" Au contacts; Au terminations	CONTACT/TERMINATION TYPE 32 – Pin, right angle, 0.109" x 0.010" dia 33 – Pin, right angle, 0.140" x 0.010" dia 34 – Pin, right angle, 0.172" x 0.010" dia	HARDWARE 00 – No hardware TH – Threaded hole #0-80 UNF*	WIRING 00 – None

NOTES

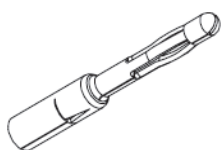
* 0.050 hex key (#0-80 thread)
Recommended torque value: 1.0 inch-lbs max (#0-80 thread)
Ball end hex wrench not recommended
Hex wrench key/bit conforming to the requirements of ASME/ANSI B-18.3 is recommended
0.050" hex L-key long arm wrench: order AirBorn part #CDG14148

MATERIALS and FINISHES

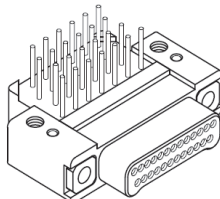
Pins: BeCu alloy strip per ASTM B194
Contact Finish: Gold plate per ASTM B488, SAE AMS-2422
Shell: Aluminum with electroless nickel per SAE AMS-C-26074, or
303 stainless steel per ASTM A581/A581M or ASTM A582/
A582M, passivated per SAE AMS-2700
Molded Insulators: High-temp thermoplastic
Embedment: High-temp 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.

NKHT-2E2-025-325-TH00



3-Tine Spring Member,
Crimp (PIN)



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