

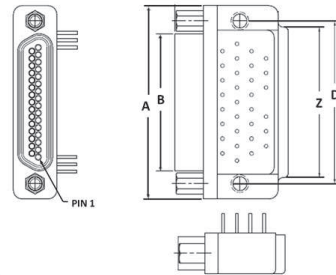


M **MICRO**
SERIES **0.050"**
(1.27 mm)

MKHT – Right Angle Board-Mount (Female)

MKHT interconnects are used in high-temperature applications where a right angle, plated thru-hole termination is desired for mounting. The narrow footprint on this connector helps save board space.

DIMENSIONS



DIMENSIONS						
SIZE	ROWS	A	B (MAX)	D	Z	HARDWARE
9	2	.755	.400	.565	.775	#2-56 UNC THD (Ø.092 THRU)
15		.925	.550	.715	.925	
21		1.075	.700	.865	1.075	
25		1.175	.800	.965	1.175	
31		1.325	.950	1.115	1.080	
37		1.475	1.100	1.265	1.180	

Please reference MKHTF-DIM-2 for more detail.

ORDER FORM

Sample Part Number Format: **MKHT-262-031-443-220S**

MKHT	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE
SERIES 0.050" Rugged Metal PC Board-Mount Connector (Female)	ROWS 2 – 2-Row (9-37 contacts) 3 – 3-Row (51 & 69 contacts) 4 – 4-Row (100 contacts)	BODY STYLE 6 – Receptacle, right angle, narrow footprint with threaded inserts and interfacial seal.	BODY MATERIAL 2 – High-temp thermoplastic with electroless nickel shell 4 – High-temp thermoplastic with hard black anodized shell 5 – High-temp 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 069 – 69 Contacts 100 – 100 Contacts	PLATING 3 – 50 µ" Au contacts; Au terminations	CONTACT/TERMINATION TYPE 43 – Socket, right angle, 0.109" x 0.020" dia 44 – Socket, right angle, 0.140" x 0.020" dia 45 – Socket, right angle, 0.172" x 0.020" dia	POLARIZATION 0S – Standard body polarization	HARDWARE 00 – No hardware 22 – Two fixed jacknut assemblies (62)*

PLEASE CONSULT THE AIRBORN WEBSITE FOR THE LATEST REVISION OF THIS DOCUMENT PRIOR TO BEGINNING ANY DESIGN WORK.

NOTES

* Number in parentheses to be used when ordering size 100

MKHT-262-031-443-220S

High-Reliability Contact
MIL-DTL-83513

MATERIALS and FINISHES

Socket Contact:Brass per ASTM B121/B121M or ASTM B16/B16M or ASTM B453
Contact Finish: Gold plate per ASTM B488, SAE AMS-2422
Shells: Aluminum alloy 6061-T6 per SAE AMS-QQ-A-250/11 or 6061-T6511 per SAE AMS-QQ-A-200/8
Shell Finishes: Electroless nickel per SAE AMS-2402, Class 3, 500 µ" minimum or black anodized per MIL-A-8625, Type III Class 2, 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
Interfacial Seal Gaskets: Fluorosilicone per SAE AMS-R-25988
Tolerances: Angles: ±5°
(unless otherwise specified) Decimals: ±0.010"; Fractions: ±1/64"
Wire lengths – insulated/stranded: +1.0"/-0.0" insulated/solid: +0.02"/-0.0"

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

PERFORMANCE

Contact Rating: 3 amperes maximum
Operating Temperature: -55° C to 205° C
Test Voltage: 600V, RMS, 60Hz
Insulation Resistance 5,000 megohms minimum @ 500 VDC
Durability: 500 connector mating cycles
Contact Engaging Force: 6.0 ounces maximum/contact
Contact Separating Force: 0.5 ounces minimum/contact
Mating and Unmating Force: 10 ounces maximum/contact

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