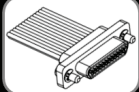




**M**  
SERIES

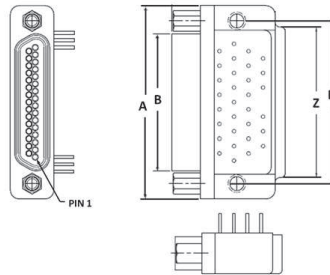
**MICRO**  
0.050"  
(1.27 mm)



## 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<br>(MAX) | D     | Z     | HARDWARE                      |
| 9          | 2    | .755  | .400       | .565  | .775  | #2-56 UNC THD<br>(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                                                                     |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>SERIES</b><br>0.050" Rugged Metal PC Board-Mount Connector (Female) | <b>ROWS</b><br>2 – 2-Row (9-37 contacts)<br>3 – 3-Row (51 & 69 contacts)<br>4 – 4-Row (100 contacts) | <b>BODY STYLE</b><br>6 – Receptacle, right angle, narrow footprint with threaded inserts and interfacial seal. | <b>BODY MATERIAL</b><br>2 – High-temp thermoplastic with electroless nickel shell<br>4 – High-temp thermoplastic with hard black anodized shell<br>5 – High-temp with stainless steel shell | <b>SIZE</b><br>009 – 9 Contacts<br>015 – 15 Contacts<br>021 – 21 Contacts<br>025 – 25 Contacts<br>031 – 31 Contacts<br>037 – 37 Contacts<br>051 – 51 Contacts<br>069 – 69 Contacts<br>100 – 100 Contacts | <b>PLATING</b><br>3 – 50 µ" Au contacts; Au terminations | <b>POLARIZATION</b><br>0S – Standard body polarization | <b>CONTACT/TERMINATION TYPE</b><br>43 – Socket, right angle, 0.109" x 0.020" dia<br>44 – Socket, right angle, 0.140" x 0.020" dia<br>45 – Socket, right angle, 0.172" x 0.020" dia | <b>HARDWARE</b><br>00 – No hardware<br>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

## 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"  
uninsulated/solid: +0.02"/-0.0"

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

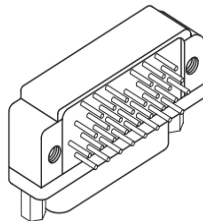
## PERFORMANCE

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

## MKHT-262-031-443-220S



**High-Reliability Contact**  
MIL-DTL-83513



MKHTF-PNB-2F  
(CTMHT012)

**www.airborn.com**  
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