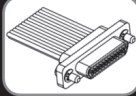




M
SERIES

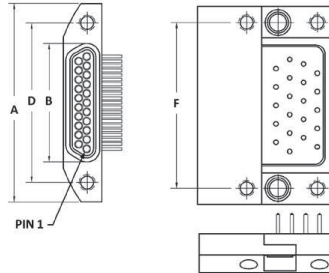
MICRO
0.050"
(1.27 mm)



MTHT – Low-Profile, Right Angle Board-Mount with Radius Ear (Female)

MTHT 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	F	H	W	Y (MAX)
9	2	.778	.378	.565	.600			
15		.928	.528	.715	.750			
21		1.078	.678	.865	.900			
25		1.178	.778	.965	1.000	.208	.250	.420
31		1.328	.928	1.115	1.150			.520
37	3	1.478	1.078	1.265	1.300			
51		1.428	1.028	1.215	1.250	.250	.300	.650

Please reference MTHTF-DIM-1 for more detail.

ORDER FORM

Sample Part Number Format: MTHT-2E2-021-433-000S

MTHT	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE
SERIES 0.050" Low-Profile Metal PC Board-Mount Connector (Female)	ROWS 2 – 2-Row (9-37 contacts) 3 – 3-Row (51 contacts)	BODY STYLE E – Receptacle, right angle, with four mounting holes. Low-profile radius.	BODY MATERIAL 2 – High-temp thermoplastic with electroless nickel shell	SIZE 009 – 9 Contacts 015 – 15 Contacts 021 – 21 Contacts 025 – 25 Contacts 031 – 31 Contacts 037 – 37 Contacts 051 – 51 Contacts	PLATING 3 – 50 µ" Au contacts; Au terminations (solder cup, pigtail)	CONTACT/TERMINATION TYPE 43 – Socket, right angle, 0.109" x 0.016" dia, 44 – Socket, right angle, 0.140" x 0.016" dia, 45 – Socket, right angle, 0.172" x 0.016" dia,	HARDWARE 00 – Integrated jacknuts	POLARIZATION 0S – Standard body polarization

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

NOTES

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
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.

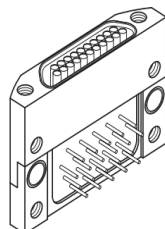
PERFORMANCE

Contact Rating:3 amperes maximum
Operating Temperature:-55° C to 205° C
Test Voltage:600V, RMS, 60Hz
Insulation Resistance5,000 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

MTHT-2E2-021-433-000S



High-Reliability Contact
MIL-DTL-83513



MTHTF-PNB-1D
(CTMHT024)

www.airborn.com
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