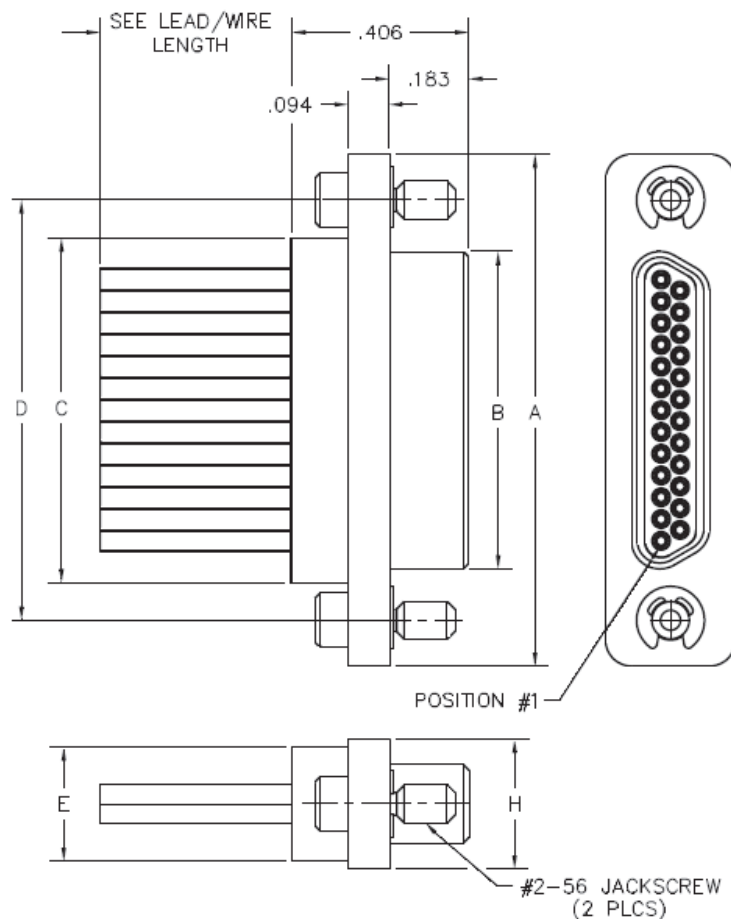


MMHT MALE DRAWINGS



Straight
Multi-Row
Cable-to-Cable

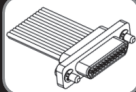
DIMENSIONS								
SIZE	ROWS	A	B (MAX)	C	D	E (MAX)	H	HARDWARE
9	2	.755	.334	.390	.565	.270	.298	#2-56 UNC THD (Ø.092 THRU)
15		.925	.484	.540	.715			
21		1.075	.634	.690	.865			
25		1.175	.734	.790	.965			
31		1.325	.884	.940	1.115			
37		1.475	1.034	1.090	1.265			
51	3	1.425	.984	1.040	1.215	.310	.341	#4-40 UNC THD (Ø.147 THRU)
100	4	2.160	1.384	1.432	1.800	.360	.384	

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



M
SERIES

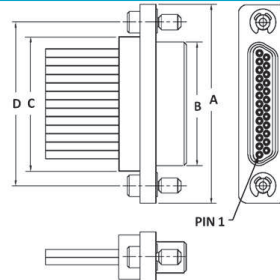
MICRO
0.050"
(1.27 mm)



MMHT – I/O Cable (Male)

MMHT 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



Please reference
MMHTM-DIM-2
for more detail.

DIMENSIONS					
SIZE	ROWS	A	B (MAX)	C	D
9	2	.755	.334	.390	.565
15		.925	.484	.540	.715
21		1.075	.634	.690	.865
25		1.175	.734	.790	.965
31		1.325	.884	.940	1.115
37	3	1.475	1.034	1.090	1.265
51		1.425	.984	1.040	1.215
100	4	2.160	1.384	1.432	1.800

ORDER FORM

Sample Part Number Format: MMHT-212-025-161-41WA

MMHT	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE	ENTER CODE
SERIES 0.050" Rugged Metal I/O Connector (Male)	ROWS 2 – 2-Row (9-37 contacts) 3 – 3-Row (51 & 69 contacts) 4 – 4-Row (100 contacts)	BODY STYLE 1 – Plug	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 1 – 50 μ" Au contacts (crimp wire) 3 – 50 μ" Au contacts; Au terminations (solder cup, pigtail)	CONTACT/TERMINATION TYPE 11 – Pin, straight, 26 awg solder cup 1A – Pin, straight, 24 awg solder cup 1E – Pin, straight, 0.125" lead length*† 13 – Pin, straight, 0.250" lead length*† 14 – Pin, straight, 0.500" lead length*† 16 – Pin, straight, crimped wire	HARDWARE 00 – No hardware 22 – Two fixed jacknut assemblies (62)*** 41 – Two turning jackscrews, allen head, retaining ring (81)*** 42 – Two long turning jackscrews, allen head, retaining ring (82)*** 43 – Two turning jackscrews, slot head, retaining ring (83)*** 44 – Two long turning jackscrews, slot head, retaining ring (84)*** 45 – Two turning jackscrews, allen head, captivated** (85)*** FF – Float-mount: front panel mounting FR – Float-mount: rear panel mounting	WIRING 00 – None XX – See Wiring Codes

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

NOTES

- * 0.018 diameter
- ** Captivated hardware is factory-installed and non-removable
- *** Numbers in parentheses are to be used when ordering size 100
- † Leads are soft copper, suitable for forming.

MATERIALS and FINISHES

Pin Contacts:Copper-based alloy strip
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
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.

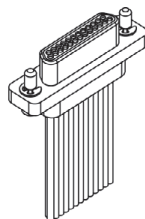
PERFORMANCE

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

MMHT-212-025-161-41WA



High-Reliability Contact
MIL-DTL-83513



MMHTM-PNB-2E
(CTMHT008)

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