ADAM TECH

ADAM TECHNOLOGIES INC.

INTRODUCTION:

Adam Tech MHF Series Male IDC connectors with latches are designed to mate with IDC socket connectors. They are used primarily for in-line cable splicing and as "T" tap from a cable bus. This series includes ejector/latches for applications with shock or vibration potential and optional mounting ears for rack or panel mounting. The male contacts are solid .025" sq. posts which are precision stamped from phosphor bronze and selectively gold plated.

FEATURES:

- ☐ Durable, shrouded .025" sq. posts
- ☐ Available in 10-64 positions
- □ Optional mounting ears
- □ Selective gold plating

MATING OPTIONS:

Mates with Adam Tech FCS Series IDC Sockets and all industry standard compatible connectors.

SPECIFICATIONS:

Material:

Insulator: Polybutylene Terephthalate (PBT), glass reinforced

thermoplastic, rated UL 94V-0

Insulator color: Gray Contacts: Phosphor Bronze

Plating:

5 μin gold nom. (optional 30 μin) to MIL-G-45204, Type II, Grade

C on contact area over 50 µin nickel underplate to

QQ-N-290, Class 2, Grade C

Electrical:

Operation voltage: 250 VAC max Current rating: 1 Amp max Contact resistance: 20 m Ω max

Insulation resistance: 5000 M Ω min @ 750 VDC between

adjacent contacts (75° F and 50% R.H.)

Dielectric withstanding voltage: 750 VAC min rms (sea level)

Mechanical:

Insertion force: 8 ozs. per circuit max Withdrawal force: 1.5 ozs. per circuit min Recommended wire size: 28 AWG stranded

Mating durability: 750 cycles min

Environmental:

Operating temperature: -65°C to +125°C

PACKAGING:

Anti-static plastic trays

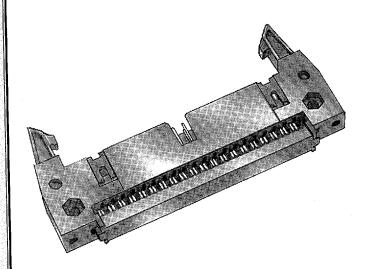
APPROVALS AND CERTIFICATIONS:

Recognized under the component program of Underwriters Laboratories, Inc. No. E167232 Certified by Canadian Standards Association No. LR75112

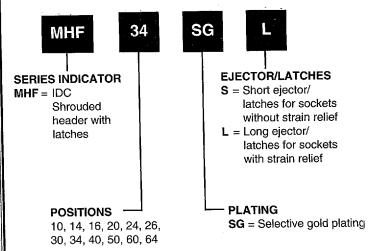
IDC SHROUDED HEADER WITH LATCHES

.100" x .100" [2.54 x 2.54]

MHF SERIES



ORDERING INFORMATION



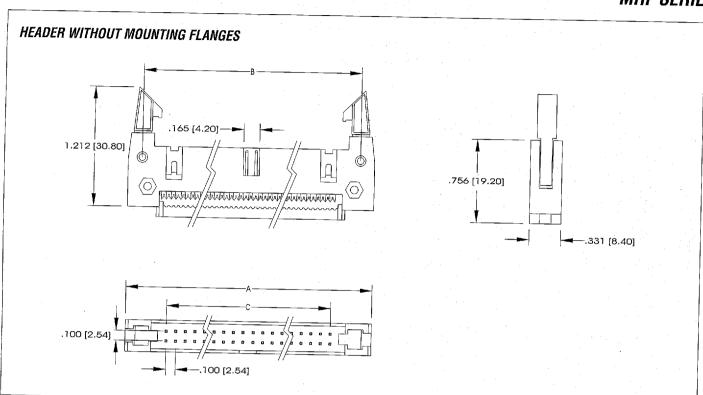
OPTIONS:

Add as suffix to basic part number **E** = Mounting ears

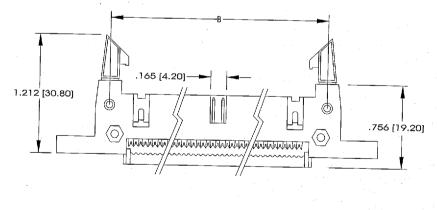


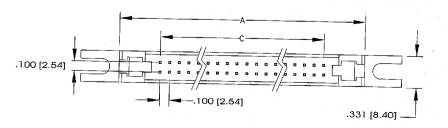
IDC SHROUDED HEADER WITH LATCHES

.100" x .100" [2.54 x 2.54] MHF SERIES



HEADER WITH MOUNTING FLANGES





Unit: Inch / mm

| | Office Inferty Infile | | |
|--------------|-----------------------|---------------|---------------|
| Dimensional: | | | |
| POSITION | A | В | C. |
| 10 | 1.260 (32.00) | 0.860 (21.84) | 0.400 (10.16) |
| 14 | 1.460 (37.08) | 1.060 (26.92) | 0.600 (15.24) |
| 16 | 1.560 (39.62) | 1.160 (29.46) | 0.700 (17.78) |
| 20 | 1.760 (44.70) | 1.360 (35.54) | 0.900 (22.86) |
| 24 | 1.960 (49.78) | 1.560 (39.62) | 1.100 (27.94) |
| 26 | 2.060 (52.32) | 1.660 (42.16) | 1.200 (30.48) |
| 30 | 2.260 (57.40) | 1.860 (47.24) | 1.400 (35.56) |
| 34 | 2.460 (62.48) | 2.060 (52.32) | 1.600 (40.64) |
| 40 | 2.760 (70.10) | 2.360 (59.94) | 1.900 (48.26) |
| 50 | 3.260 (82.80) | 2.860 (72.64) | 2.400 (60.96) |
| 60 | 3.760 (95.50) | 3.360 (85.34) | 2.900 (73.66) |
| 64 | 3.960 (100.58) | 3.560 (90.42) | 3.100 (78.74) |

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