

INTRODUCTION:

Adam Tech Micro and Sub-Micro headers are fine pitch board-to-board connectors consisting of male and female headers. They are precision designed and manufactured for surface mount applications with hi-temp insulators and optional tape and reel packaging. These series are ideal for use when space and weight are key factors.

FEATURES:

- ☐ Low profile and compact for high density packaging
- ☐ Hi-Temp insulators
- ☐ Suitable for pass thru applications
- ☐ Gold, tin or selective gold plating
- ☐ Surface mount or thru-hole leads

MATING OPTIONS:

Mates with Adam Tech MPH, MRS or SPH, SRS Series

SPECIFICATIONS:

Insulator: Liquid Crystal Polymer (LCP), glass reinforced thermoplastic, rated UL 94V-0

Contacts: Phosphor Bronze

Plating:

U = 5 μ in gold nom. (optional 30 μ in) to MIL-G-45204, Type II, Grade C over 50 μ in nickel underplate to QQ-N-290, Class 2, Grade C

SG = 5 μ in gold nom. (optional 30 μ in) on mating length to MIL-G-45204, Type II, Grade C, 100 μ in. tin-lead to MIL-P-81728 on solder-tails

T = 100 μ in tin-lead to MIL-P-81728, Type 1 over 50 μ in copper underplate to MIL-C-14550

Electrical:

Operation voltage: 250 VAC max

Current rating: 2 Amps max

Contact resistance: 20 m Ω max

Insulation resistance: 1000 M Ω min @ 650 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 650 VDC min rms (sea level)

Mechanical:

Pin pushout force: 2 lbs. min

Mating durability: 1000 cycles min

Soldering processes: Wave, Vapor-Phase or IR Reflow

Environmental:

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

Processing temperature: 230°C for 60 sec.

PACKAGING:

Anti-static plastic bags or trays

APPROVALS AND CERTIFICATIONS:

Recognized under the component program

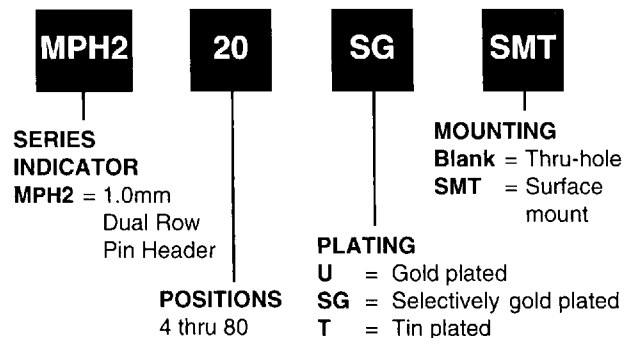
of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112

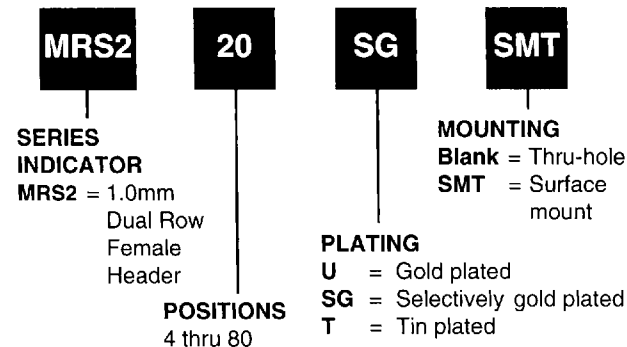


1mm MICRO HEADERS .039" [1.00] CENTERLINE 0.8mm SUB-MICRO HEADERS .031" [0.8] CENTERLINE MPH / SPH - MRS / SRS

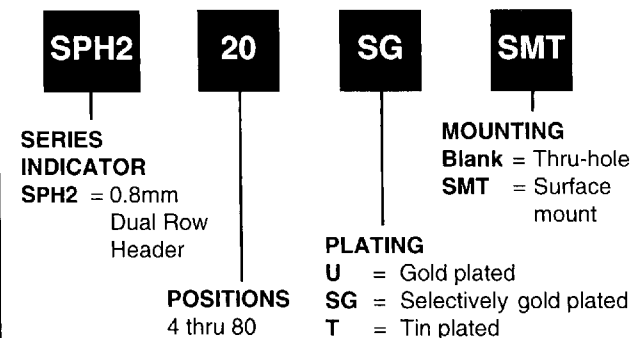
ORDERING INFORMATION



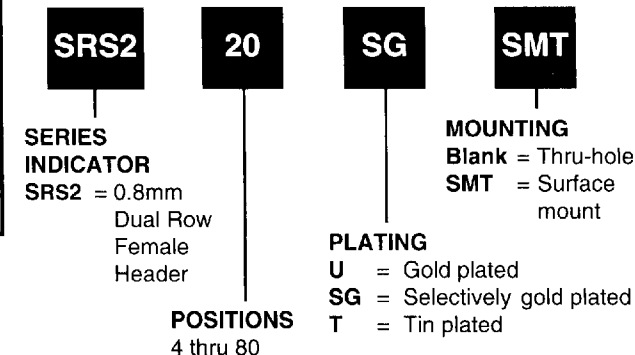
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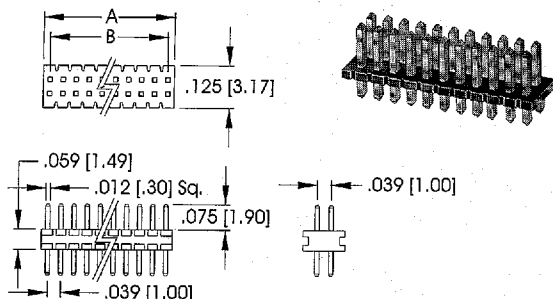


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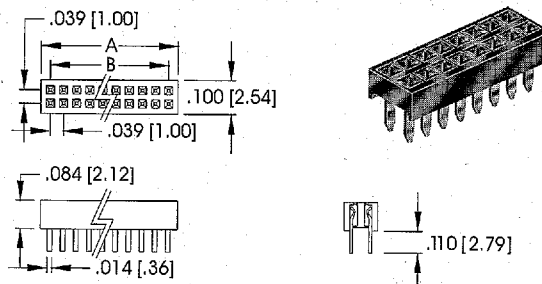


1mm MICRO HEADERS

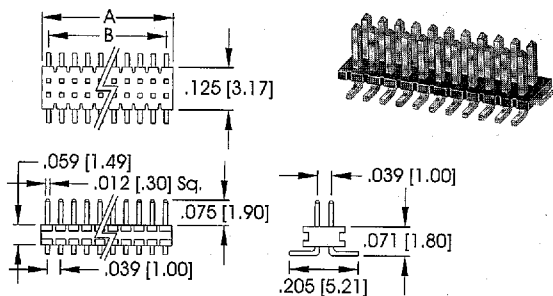
1mm MALE HEADER - MPH2



1mm FEMALE HEADER - MRS2

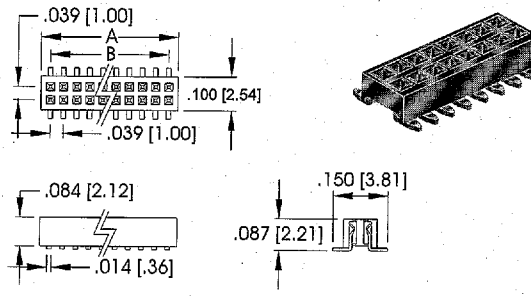


1mm MALE HEADER - SMT - MPH2



A = .039 [1.00] X No. of Positions Per Row + .017 [0.43]
B = .039 [1.00] X No. of Spaces

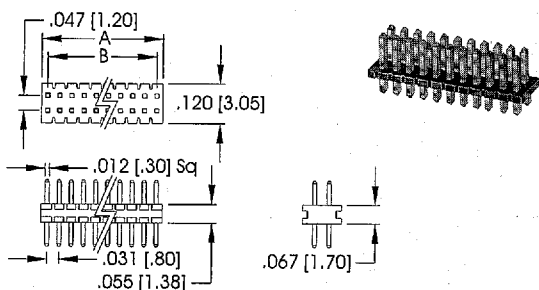
1mm FEMALE HEADER - SMT - MRS2



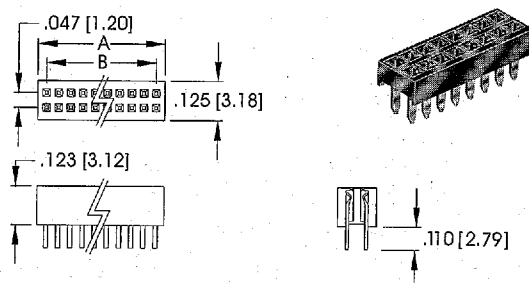
A = .039 [1.00] X No. of Positions Per Row + .017 [0.43]
B = .039 [1.00] X No. of Spaces

0.8mm SUB-MICRO HEADERS

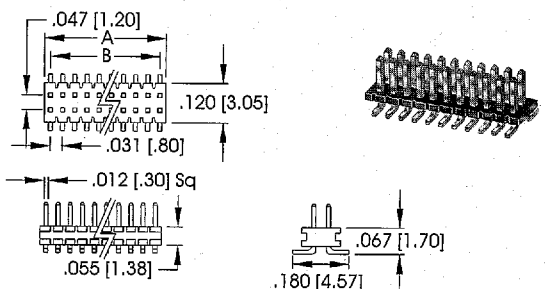
0.8mm MALE HEADER - SPH2



0.8mm FEMALE HEADER - SRS2

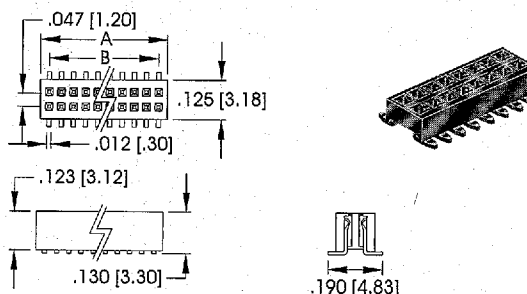


0.8mm MALE HEADER - SMT - SPH2



A = .031 [.80] X No. of Positions Per Row
B = .031 [.80] X No. of Spaces

0.8mm FEMALE HEADER-SMT - SRS2



A = .031 [.80] X No. of Positions Per Row
B = .031 [.80] X No. of Spaces