## adam teel

ADAM TECHNOLOGIES INC

#### INTRODUCTION:

Adam Tech Micro and Sub-Micro headers are fine pitch board-toboard 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:

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

Class 2, Grade C

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

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

#### Electrical:

Operation voltage: 250 VAC max Current rating: 2 Amps max Contact resistance: 20 mΩ max

Insulation resistance: 1000 M $\Omega$  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:**

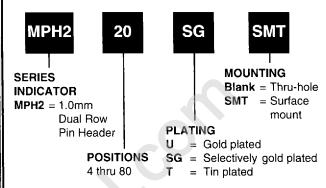
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Recognized under the component program of Underwriters Laboratories, Inc. No. E167232

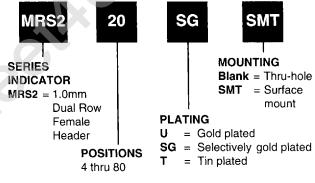
Certified by Canadian Standards Association No. LR75112

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

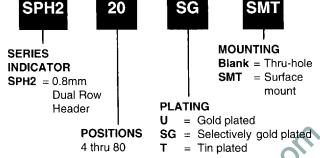
#### ORDERING INFORMATION

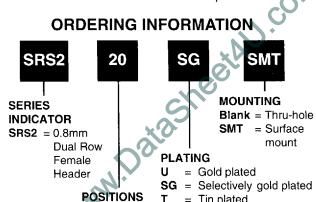


#### ORDERING INFORMATION



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4 thru 80

= Tin plated

9017931 0000158 055

# ADAM TECH

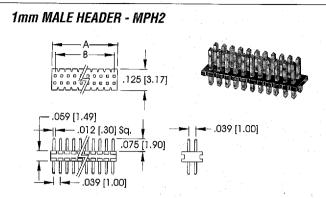
ADAM TECHNOLOGIES INC.

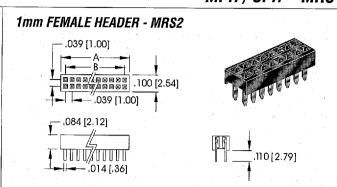
# 1mm MICRO HEADERS .039" [1.00] CENTERLINE

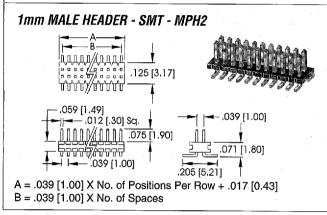
## 0.8mm SUB-MICRO HEADERS .031" [0.8] CENTERLINE

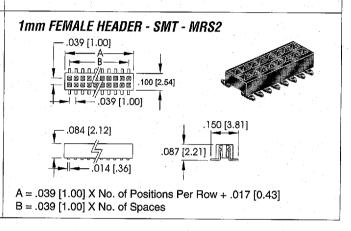
MPH/SPH - MRS/SRS

## 1mm MICRO HEADERS









### **0.8mm SUB-MICRO HEADERS**

