ADAM TECH
Adam Technologies, Inc.

0.80mm SUB-MICRO HEADERS
1.00mm MICRO HEADERS
.031" [0.80] & .039" [1.00] CENTERLINE
MPH & SPH / MRS & SRS

INTRODUCTION:
Adam Tech 0.8mm and 1.00mm Pin Header and Female Header series is a fine pitch, low profile, dual row, PCB mounted connector set intended for limited space applications or where total weight is a factor. Our specially tooled insulators and contacts maintain consistent high quality through our automated production processes. Each series is available in thru-hole PCB or SMT mounting and plated tin, gold or selective gold as specified.

FEATURES:
0.8mm and 1.0mm versions
Pin Header and Female Header set
Lightweight and Compact
Hi Temp Insulators

MATING OPTIONS:
Mates with all industry standard 0.8mm & 1.0mm pitch headers and female headers

SPECIFICATIONS:

Material:
Standard Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Plating:
U = Gold flash (30u" optional) over nickel underplate
SG = Gold flash (30u" optional) over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall.

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 cycles min.

Temperature Ratings:
Operating temperature: -40°C to +105°C
Max process temp: 230°C for 30 ~ 60 seconds
(260°C for 10 seconds)
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic bags or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE

0.8mm MALE ORDERING INFORMATION

SPH2 — **SERIES INDICATOR**
SPH2 = 0.8mm Dual Row Header

20 — **POSITIONS**
04 thru 80

SG — **PLATING**
U = Gold plated
SG = Selectively gold plated
T = Tin plated

SMT — **MOUNTING**
Blank = Thru-hole
SMT = Surface mount

0.8mm FEMALE ORDERING INFORMATION

SRS2 — **SERIES INDICATOR**
SRS2 = 0.8mm Dual Row Female Header

20 — **POSITIONS**
04 thru 80

SG — **PLATING**
U = Gold plated
SG = Selectively gold plated
T = Tin plated

SMT — **MOUNTING**
Blank = Thru-hole
SMT = Surface mount

1.0mm MALE ORDERING INFORMATION

MPH2 — **SERIES INDICATOR**
MPH2 = 1.0mm Dual Row Pin Header

20 — **POSITIONS**
04 thru 80

SG — **PLATING**
U = Gold plated
SG = Selectively gold plated
T = Tin plated

SMT — **MOUNTING**
Blank = Thru-hole
SMT = Surface mount

1.0mm FEMALE ORDERING INFORMATION

MRS2 — **SERIES INDICATOR**
MRS2 = 1.0mm Dual Row Female Header

20 — **POSITIONS**
04 thru 80

SG — **PLATING**
U = Gold plated
SG = Selectively gold plated
T = Tin plated

SMT — **MOUNTING**
Blank = Thru-hole
SMT = Surface mount