ADAM TECH
Adam Technologies, Inc.

INTRODUCTION:

Adam Tech MS Series Mini Shunts are available in .050", 2.0mm, .100" and .200" centerlines. They quickly and easily jump individual or strip pin headers to perform manual programming on PCB's. This series offers a broad range of sizes, shapes and colors. Shunts are designed with detents at top for easy fingertip installation and removal. Options include integrated pull tabs and gang types which are molded in one piece. This series is extremely low cost and is a highly economical, cost effective solution to replacing PCB switches. Adam Tech's shunts are available in Gold or Tin plating.

FEATURES:

Electrically connects two pin header posts
Wide variety of bodies and styles to choose from
Superior insulator design provides easy Fingertip extraction
Pull Tab and Ganged options available
Choice of Gold or Tin-plated contact area
Side and end stackable

MATING OPTIONS:

Mates with .025" sq. pin headers on .100" centers and all industry standard pin headers with .025" square post on .100" [2.54mm] centerlines.

SPECIFICATIONS:

Material:

Insulator: PBT, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:

G = Gold flash (30u" optional) over nickel underplate overall
T = Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 1.57 lbs max.
Withdrawal force: .65 lbs min
Mating durability: 50 Cycles Gold
                     20 Cycles Tin
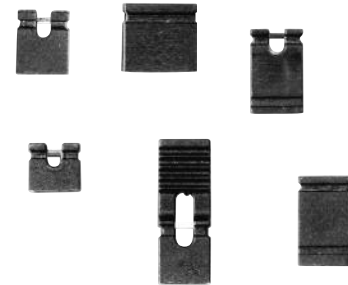
Temperature Rating:

Operating temperature: -55°C to +105°C

PACKAGING:

Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

UL Recognized File No. E224053
CSA Certified File No. LR1578596

ORDERING INFORMATION

MSB	G

BODY STYLE/HEIGHT
MSA = Closed top, .256"
MSB = Open top, .236"
MSC = Open top, .177"
MSDA = Closed top, .315"
MSDB = Open top, .315"
MSBH = Handle-top, .531"
HMSA = .050" Mini Shunt
HMSB = .050" Mini Shunt
MSE = Closed top, 3 position
MST = 10 piece strip
MSBG = Ganged, block type
(Specify # of positions, 2 thru 10)

2.00mm Shunts - Pg. 249

PLATING
G = Gold plated
T = Tin plated

OPTIONS:

Add designator(s) to end of part number
30 = 30 µin gold plating in contact area

STANDARD INSULATOR COLOR IS BLACK
Other insulator colors available
Add designator(s) to end of part number
R = Red *
B = Blue *
W = White *
Y = Yellow *
G = Green *
* Minimum order required

MSA
.100"

MSB
.100"

MSC
.100"

MSDA
.100"

MSDB
.100"

MSBH
.100"

HMSA
.050"

HMSB
.050"

MSE
3P JUMPER

MSBG
.100"
GANGED BLOCK

A - .100 [2.54] X No of Positions
B = .100 [2.54] X No of Spaces

MST
.100"
10 pc. STRIP