ADAM TECH®
ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

SCREW MACHINE SOCKETS & TERMINAL STRIPS

www.adam-tech.com

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ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

INTRODUCTION:

Adam Tech ICM Series Machine Pin Sockets and Terminal Strips offer a full range of exceptional quality, high reliability DIP and SIP package Sockets and Terminal Strips. Our sockets feature solid, precision turned sleeves with a closed bottom design to eliminate flux intrusion and a spring loaded contact to insure a positive gripping action. The copper insert provides an excellent connection and allows repeated insertion and withdrawals. Plating options include choice of gold, tin or selective gold plating. Our insulators are molded of UL94V-0 thermoplastic and both Sockets and Terminal Strips are XY stackable.

FEATURES:
High Pressure Contacts
Precision Stamped Internal Spring Contact
Anti-Solder Wicking design
Machine Insertable
Single or Dual Row
Low Profile

MATING COMPONENTS:
Any industry standard components with SIP or DIP leads

SPECIFICATIONS:

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

Contact Plating:
Gold over Nickel underplate and Tin over copper underplate

Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max.
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 530V AC for 1 minute

Mechanical:
Insertion force: 400 grams initial max with .025 dia. leads
Withdrawal force: 90 grams initial min with .035 dia. leads

Temperature Rating:
Operating temperature: -55°C to +85°C
Soldering process temperature:
  Standard insulator: 230°C
  Hi-Temp insulator: 260°C

RoHS Compliant
Anti-ESD plastic tubes

Approvals and Certifications:
UL Recognized File no. E224653

OPTIONS: (MCT series on pg. 191)
Add designator(s) to end of part number
SMT = Surface mount leads Dual Row
SMT-A = Surface mount leads Type A
SMT-B = Surface mount leads Type B
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

ORDERING INFORMATION
OPEN FRAME SCREW MACHINE

| ICM | 6 | 28 | 1 | GT |

SERIES INDICATOR
ICM = Screw Machine IC Socket
TMC = Screw Machine DIP Terminals

ROW SPACING
3 = .300" Row Spacing Positions: 06, 08, 10, 14, 16, 18, 20, 22
4 = .400" Row Spacing Positions: 20, 22, 24, 28, 32, 40, 48, 50, 52
6 = .600" Row Spacing Positions: 24, 28, 32, 36, 40, 42, 48, 50, 52, 64

POSITIONS
06 Thru 52

TAIL LENGTH
1 = Standard
2 = Wire wrap tails

PLATING
GT = Gold plated inner contact Tin plated outer sleeve
TT = Tin plated inner contact Tin plated outer sleeve

See page 4

ORDERING INFORMATION
SCREW MACHINE SOCKETS & TERMINALS

| SMC | 1 | 04 | 1 | GT |

SERIES INDICATOR
15MC = .039 (1.00mm) Screw machine contact
HSMC = .050 (1.27mm) Screw machine contact
25MC = .079 (2.00mm) Screw machine contact
SMC = .100 (2.54mm) Screw machine contact

POSITIONS
Single Row: 01 thru 40
Dual Row: 02 thru 80

PLATING
GT = Gold plated inner contact
TT = Tin plated inner contact

BODY STYLE
1 = Single Row Straight
1R = Single Row Right Angle
2 = Dual Row Straight
2R = Dual Row Right Angle

SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

ORDERING INFORMATION
SCREW MACHINE TERMINAL STRIPS

| MCT | 1 | 04 | 1 | GT |

SERIES INDICATOR
1MCT= .039 (1.00mm) Screw machine contact
HMCT= .050 (1.27mm) Screw machine contact
2MCT= .079 (2.00mm) Screw machine contact

POSITIONS
Single Row: 01 thru 40
Dual Row: 02 thru 80

PLATING
GT = Gold Internal Contact, Tin Sleeve
TT = Tin / Tin

TAIL LENGTH
1 = Standard Length
2 = Special Length customer specified as tail length/ total length

BODY STYLE
1 = Single Row Straight
1R = Single Row Right Angle
2 = Dual Row Straight
2R = Dual Row Right Angle

SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

CONFIGURATIONS	1MCT Series .039 [1.00] Pitch	HMCT Series .050 [1.27] Pitch	2MCT Series .079 [2.00] Pitch	MCT Series .100 [2.54] Pitch

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SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

CONFIGURATIONS	1SMC Series .039 [1.00] Pitch	HSMC Series .050 [1.27] Pitch	2SMC Series .079 [2.00] Pitch	SMC Series .100 [2.54] Pitch

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ADAM TECH
ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

CUSTOM SOLUTIONS
- Providing service from concept through design to production
- Improvements to quality or function
- Solving capacity or lead time issues
- Solution for single sourced components
- Cost reduction specialist

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