

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 solder wicking during soldering. Adam Tech's stamped spring 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: 500V AC for 1 minute

Mechanical:

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

Temperature Rating:

Operating temperature: -55°C to +85°C

Soldering process temperature:

Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic tubes

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



OPTIONS: (MCT series on pg. 189-190)

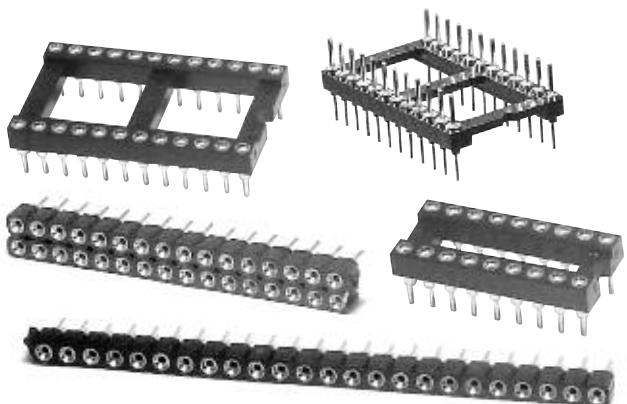
Add designator(s) to end of part number

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 SOCKETS & TERMINALS



SERIES INDICATOR

ICM = Screw Machine IC Socket

TMC = Screw Machine DIP Terminals

POSITIONS

06 Thru 52

PLATING

GT = Gold plated inner contact
Tin plated outer sleeve

TT = Tin plated inner contact
Tin plated outer sleeve

ROW SPACING

3 = .300" Row Spacing
Positions: 06, 08, 10, 14, 16, 18, 20, 24, 28

4 = .400" Row Spacing
Positions: 20, 22, 24, 28, 32,

6 = .600" Row Spacing
Positions: 24, 28, 32, 36, 40, 42, 48, 50, 52

9 = .900" Row Spacing
Positions: 50 & 52

TAIL LENGTH

1 = Standard DIP Length

2 = Wire wrap tails

SEE PGS.
190-191

ORDERING INFORMATION

SCREW MACHINE SOCKETS



SERIES INDICATOR

1SMC = .039 (1.00mm)
Screw machine contact socket

HSMC = .050 (1.27mm)
Screw machine contact socket

2SMC = .078 (2.00mm)
Screw machine contact socket

SMC = .100 (2.54mm)
Screw machine contact socket

POSITIONS

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

PLATING

GT = Gold plated inner contact
Tin plated outer sleeve

TT = Tin plated inner contact
Tin plated outer sleeve

TAIL LENGTH

1 = Standard Length

BODY STYLE

1 = Single Row Straight

1R = Single Row Right Angle

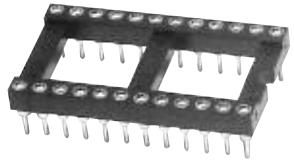
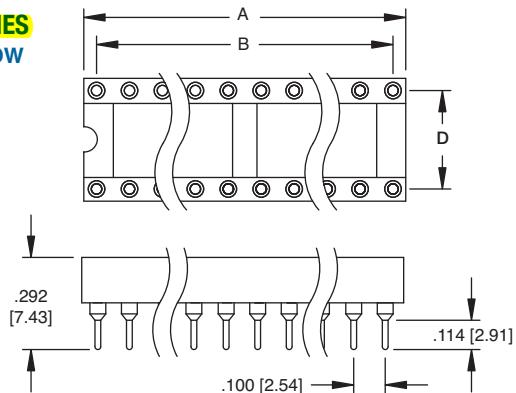
2 = Dual Row Straight

2R = Dual Row Right Angle

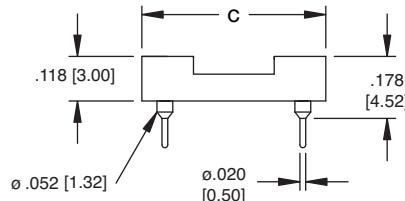
ICM SERIES

DUAL ROW

SOCKET



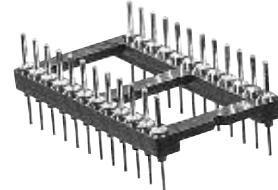
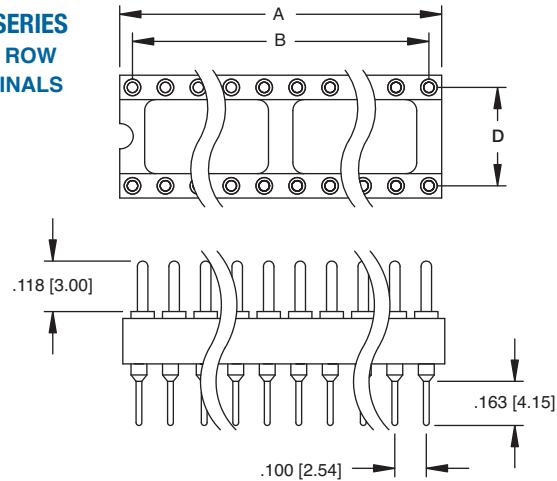
ICM-624-1-GT



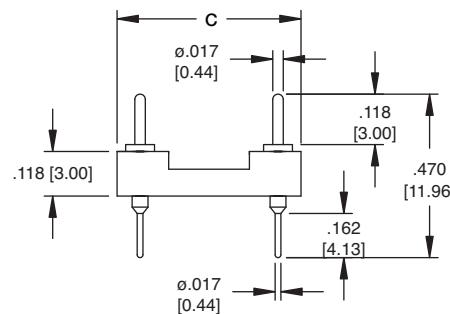
TMC SERIES

DUAL ROW

TERMINALS



TMC-624-1-GT



Drawings Pg.190-191 Options Pg.188

ORDERING INFORMATION

SCREW MACHINE TERMINAL STRIPS

MCT **1** **04** **1** **GT**

SERIES INDICATOR

1MCT= .039 (1.00mm)
Screw machine contact terminal strip

HMCT= .050 (1.27mm)
Screw machine contact terminal strip

2MCT= .078 (2.00mm)
Screw machine contact terminal strip

MCT= .100 (2.54mm)
Screw machine contact terminal strip

POSITIONS

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

PLATING

G = Gold Flash overall
T = 100u" Tin overall

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

POSITION	A	B	C	D
6	.300 [7.62]	.200 [5.08]	.400 [10.16]	.300 [7.62]
8	.400 [10.16]	.300 [7.62]		
10	.500 [12.70]	.400 [10.16]		
14	.700 [17.78]	.600 [15.24]		
16	.800 [20.32]	.700 [17.78]		
18	.900 [22.86]	.800 [20.32]		
20	1.00 [25.40]	.900 [22.86]		
24	1.20 [30.48]	1.10 [27.94]		
28	1.40 [35.56]	1.30 [33.02]	.500 [12.70]	.400 [10.16]
32	1.60 [40.64]	1.50 [38.10]		
36	1.80 [45.72]	1.70 [43.18]		
40	2.00 [50.80]	1.90 [48.26]		
42	2.10 [53.34]	1.90 [48.26]		
48	2.40 [60.96]	2.30 [58.42]	.700 [17.78]	.600 [15.24]
50	2.50 [63.50]	2.40 [60.96]		
52	2.60 [66.04]	2.50 [63.50]		
50	2.50 [63.50]	2.40 [60.96]		
52	2.60 [66.04]	2.50 [63.50]		