

ADAM TECH®
ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

SCREW MACHINE SOCKETS & TERMINAL STRIPS

• RoHS2 Compliant, Lead Free
• REACH Compliant
• Deca BDE Compliant
• Halogen Free

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ADAM TECH
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 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 File no. E224053

HI-TEMP INSULATOR AVAILABLE

RoHS COMPLIANT

ORDERING INFORMATION
OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS

ICM	6	28	1	GT
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SERIES INDICATOR
ICM = Screw Machine IC Socket
TMC = Screw Machine DIP Terminals

POSITIONS
06 Thru 52

TAIL LENGTH
1 = Standard DIP Length
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

SMC	1	04	1	GT
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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
and 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

SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

ICM SERIES DUAL ROW SOCKET

ICM-624-1-GT

TMC SERIES DUAL ROW TERMINALS

TMC-624-1-GT

Drawings Pg.168

ORDERING INFORMATION
SCREW MACHINE TERMINAL STRIPS

MCT	1	04	1	GT
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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
GT = Gold Internal Contact, Tin Sleeve
TT = 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	ROW SPACING
6	.300 [7.62]	.200 [5.08]			
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]			
22	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]			
32	1.60 [40.64]	1.50 [38.10]			
24	1.20 [30.48]	1.10 [27.94]			
28	1.40 [35.56]	1.30 [33.02]			
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]	2.00 [50.80]			
48	2.40 [60.96]	2.30 [58.42]			
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]			

SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

Order Information page 2

CONFIGURATIONS	1MCT Series .039 [1.00] Pitch	HMCT Series .050 [1.27] Pitch	2MCT Series .078 [2.00] Pitch	MCT Series .100 [2.54] Pitch
SINGLE ROW STRAIGHT	<p>A = .095 [2.43] B = .098 [2.50] C = .047 [1.20] D = .086 [2.20] E = .015 [0.40] F = .015 [0.40] POSITIONS: 1 THRU 40</p>	<p>A = .118 [3.00] B = .118 [3.00] C = .086 [2.20] D = .086 [2.20] E = .050 [1.27] F = .017 [0.43] G = .017 [0.43] POSITIONS: 1 THRU 40</p>	<p>A = .141 [3.60] B = .114 [2.90] C = .110 [2.80] D = .086 [2.20] E = .078 [2.00] F = .018 [0.47] G = .019 [0.50] POSITIONS: 1 THRU 40</p>	<p>A = .197 [5.00] B = .118 [3.00] C = .118 [3.00] D = .100 [2.54] E = .030 [0.76] F = .029 [0.60] G = .023 [0.60] POSITIONS: 1 THRU 40</p>
DUAL ROW STRAIGHT	<p>A = .095 [2.43] B = .098 [2.50] C = .047 [1.20] D = .086 [2.20] E = .015 [0.40] F = .015 [0.40] POSITIONS: 1 THRU 40</p>	<p>A = .118 [3.00] B = .118 [3.00] C = .086 [2.20] D = .086 [2.20] E = .050 [1.27] F = .017 [0.43] G = .017 [0.43] POSITIONS: 2 THRU 80</p>	<p>A = .141 [3.60] B = .114 [2.90] C = .110 [2.80] D = .086 [2.20] E = .078 [2.00] F = .018 [0.47] G = .019 [0.50] POSITIONS: 2 THRU 80</p>	<p>A = .197 [5.00] B = .118 [3.00] C = .118 [3.00] D = .100 [2.54] E = .030 [0.76] F = .029 [0.60] G = .023 [0.60] POSITIONS: 2 THRU 80</p>
SINGLE ROW RIGHT ANGLE	<p>A = .095 [2.43] B = .098 [2.50] C = .047 [1.20] D = .086 [2.20] E = .015 [0.40] F = .015 [0.40] POSITIONS: 1 THRU 40</p>	<p>A = .118 [3.00] B = .118 [3.00] C = .086 [2.20] D = .086 [2.20] E = .050 [1.27] F = .017 [0.43] G = .017 [0.43] POSITIONS: 1 THRU 40</p>	<p>A = .141 [3.60] B = .114 [2.90] C = .110 [2.80] D = .086 [2.20] E = .078 [2.00] F = .018 [0.47] G = .019 [0.50] POSITIONS: 1 THRU 40</p>	<p>A = .197 [5.00] B = .118 [3.00] C = .118 [3.00] D = .100 [2.54] E = .030 [0.76] F = .029 [0.60] G = .023 [0.60] POSITIONS: 1 THRU 40</p>
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SCREW MACHINE SOCKETS & TERMINAL STRIPS
ICM SERIES

Order Information page 1

CONFIGURATIONS	1SMC Series .039 [1.00] Pitch	HSMC Series .050 [1.27] Pitch	2SMC Series .078 [2.00] Pitch	SMC Series .100 [2.54] Pitch
SINGLE ROW STRAIGHT	<p>A = .039 [1.00] B = .086 [2.20] C = .086 [2.20] D = .197 [5.00] E = .015 [0.40] F = .015 [0.40] POSITIONS: 1 THRU 40</p>	<p>A = .050 [1.27] B = .086 [2.20] C = .086 [2.20] D = .252 [6.40] E = .018 [0.46] F = .018 [0.46] POSITIONS: 1 THRU 40</p>	<p>A = .078 [2.00] B = .086 [2.20] C = .165 [4.20] D = .110 [2.80] E = .229 [5.80] F = .229 [5.80] G = .021 [0.53] POSITIONS: 1 THRU 40</p>	<p>A = .100 [2.54] B = .100 [2.54] C = .118 [3.00] D = .200 [5.08] E = .292 [7.43] F = .020 [0.51] G = .020 [0.51] POSITIONS: 1 THRU 40</p>
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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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