

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

**HI-TEMP
INSULATOR
AVAILABLE**

PACKAGING:

ANTI-ESD PLASTIC TUBES

Approvals and Certifications:
UL Recognized & CSA Certified, File no. E224053



OPTIONS: (MCT series on pg. 191)

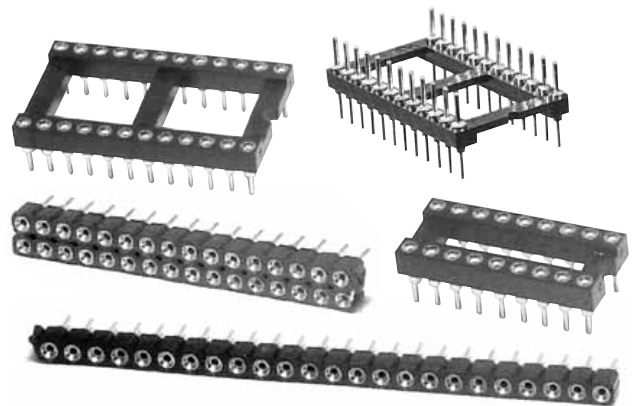
Add designator(s) to end of part number

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 SOCKETS & TERMINALS

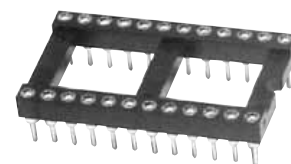
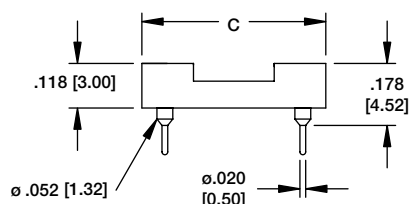
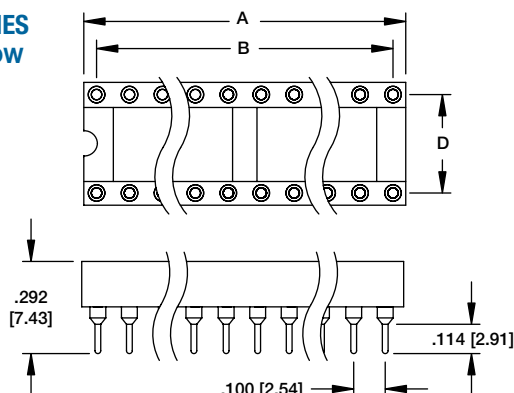
ICM	6	28	1	GT
SERIES INDICATOR ICM = Screw Machine IC Socket TMC = Screw Machine DIP Terminals	POSITIONS 06 Thru 52		TAIL LENGTH 1 = Standard DIP Length 2 = Wire wrap tails	
ROW SPACING 3 = .300" Row Spacing Positions: 06, 08, 10, 14, 16, 18, 20, 24, 28 4 = .400" Row Spacing Positions: 20, 22, 24, 28, 32, 6 = .600" Row Spacing Positions: 24, 28, 32, 36, 40, 42, 48, 50, 52 9 = .900" Row Spacing Positions: 50 & 52		PLATING GT = Gold plated inner contact Tin plated outer sleeve TT = Tin plated inner contact Tin plated outer sleeve		

SEE PGS. 193

ORDERING INFORMATION SCREW MACHINE SOCKETS

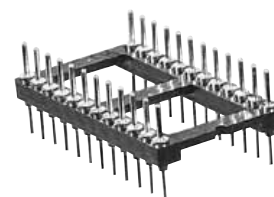
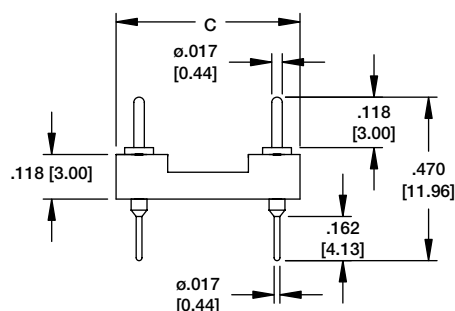
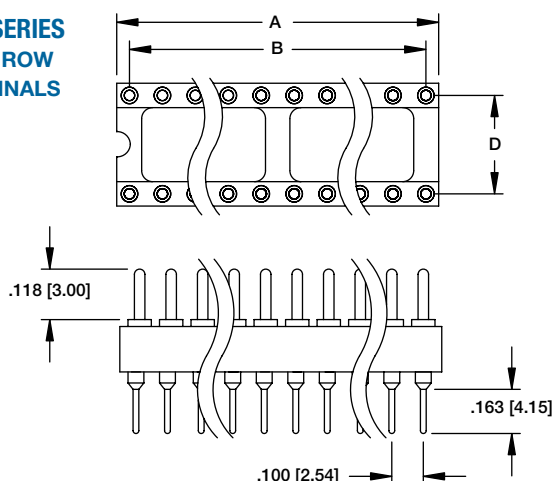
SMC	1	04	1	GT
SERIES INDICATOR 1SMC = .039 (1.00mm) Screw machine contact socket HSMC = .050 (1.27mm) Screw machine contact socket 2SMC = .078 (2.00mm) Screw machine contact socket SMC = .100 (2.54mm) Screw machine contact socket	POSITIONS Single Row: 01 thru 40 Dual Row: 02 thru 80 TAIL LENGTH 1 = Standard Length BODY STYLE 1 = Single Row Straight 1R = Single Row Right Angle 2 = Dual Row Straight 2R = Dual Row Right Angle		PLATING GT = Gold plated inner contact Tin plated outer sleeve TT = Tin plated inner contact and sleeve	

ICM SERIES DUAL ROW SOCKET



ICM-624-1-GT

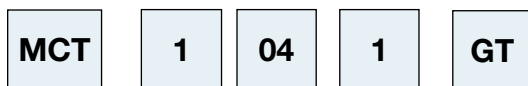
TMC SERIES DUAL ROW TERMINALS



TMC-624-1-GT

Drawings Pg.192

ORDERING INFORMATION SCREW MACHINE TERMINAL STRIPS



SERIES INDICATOR

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

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

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

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

POSITIONS

Single Row:
01 thru 40

Dual Row:
02 thru 80

BODY STYLE

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

PLATING

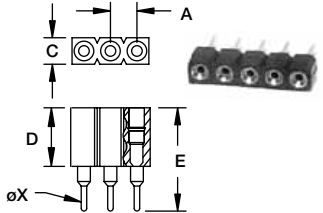
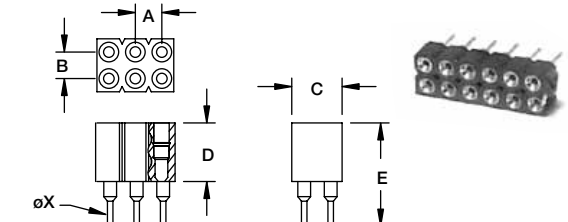
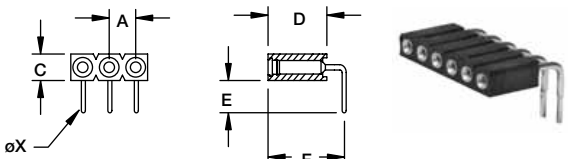
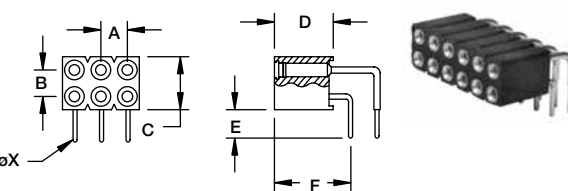
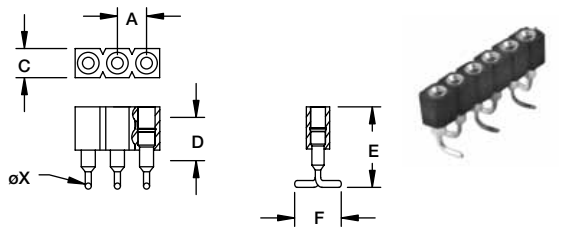
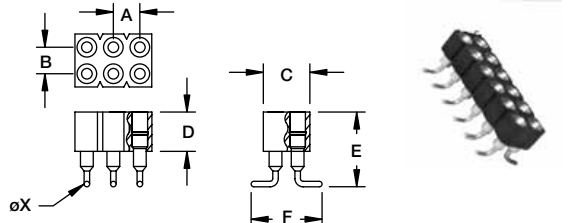
GT = Gold Internal
Contact, Tin Sleeve
TT = Tin Overall

TAIL LENGTH

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

POSITION	A	B	C	D
				ROW SPACING
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]	.500 [12.70]	.400 [10.16]
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]		
36	1.80 [45.72]	1.70 [43.18]	.700 [17.78]	.600 [15.24]
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]		
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]	1.00 [25.40]	.900 [22.86]
52	2.60 [66.04]	2.50 [63.50]		

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		A = .095 [2.43] B = .098 [2.50] C = .047 [1.20] D = .086 [2.20] øX = .015 [0.40] øY = .015 [0.40] POSITIONS: 1 THRU 40	A = .118 [3.00] B = .118 [3.00] C = .086 [2.20] D = .086 [2.20] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 1 THRU 40	A = .141 [3.60] B = .114 [2.90] C = .110 [2.80] D = .086 [2.20] øX = .018 [0.47] øY = .019 [0.50] POSITIONS: 1 THRU 40	A = .197 [5.00] B = .118 [3.00] C = .118 [3.00] D = .100 [2.54] øX = .030 [0.76] øY = .029 [0.60] POSITIONS: 1 THRU 40
DUAL ROW STRAIGHT			.050 [1.27] Pitch HMCT-2-XX-1-G A = .118 [3.00] B = .118 [3.00] C = .078 [2.00] D = .128 [3.25] E = .050 [1.27] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2MCT-2-XX-1-G A = .141 [3.60] B = .114 [2.90] C = .110 [2.80] D = .165 [4.20] E = .078 [2.00] øX = .018 [0.47] øY = .019 [0.50] POSITIONS: 2 THRU 80	.100 [2.54] Pitch MCT-2-XX-1-G A = .197 [5.00] B = .118 [3.00] C = .118 [3.00] D = .200 [5.08] E = .100 [2.54] øX = .030 [0.76] øY = .023 [0.60] POSITIONS: 2 THRU 80
SINGLE ROW RIGHT ANGLE			.050 [1.27] Pitch HMCT-1R-XX-1-G A = .118 [3.00] B = .118 [3.00] C = .086 [2.20] D = .086 [2.20] E = .050 [1.27] F = .133 [3.40] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 1 THRU 40	.078 [2.00] Pitch 2MCT-1R-XX-1-G A = .141 [3.60] B = .126 [3.20] C = .110 [2.80] D = .086 [2.20] E = .078 [2.00] F = .177 [4.50] øX = .018 [0.47] øY = .019 [0.50] POSITIONS: 1 THRU 40	.100 [2.54] Pitch MCT-1R-XX-1-G A = .197 [5.00] B = .126 [3.20] C = .118 [3.00] D = .100 [2.54] E = .100 [2.54] F = .177 [4.50] øX = .030 [0.76] øY = .023 [0.60] POSITIONS: 1 THRU 40
DUAL ROW RIGHT ANGLE			.050 [1.27] Pitch HMCT-2R-XX-1-G A = .118 [3.00] B = .118 [3.00] C = .082 [2.10] D = .128 [3.25] E = .050 [1.27] F = .122 [3.10] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2MCT-2R-XX-1-G A = .141 [3.60] B = .126 [3.20] C = .110 [2.80] D = .165 [4.20] E = .078 [2.00] F = .177 [4.50] øX = .018 [0.47] øY = .019 [0.50] POSITIONS: 2 THRU 80	.100 [2.54] Pitch MCT-2R-XX-1-G A = .197 [5.00] B = .126 [3.20] C = .118 [3.00] D = .200 [5.08] E = .100 [2.54] F = .177 [4.50] øX = .030 [0.76] øY = .023 [0.60] POSITIONS: 2 THRU 80
SINGLE ROW SURFACE MOUNT			.050 [1.27] Pitch HMCT-1-XX-1-G-SMT A = .118 [3.00] B = .132 [3.35] C = .078 [2.00] D = .086 [2.20] E = .050 [1.27] G = .182 [4.63] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 1 THRU 40	.078 [2.00] Pitch 2MCT-1-XX-1-G-SMT A = .141 [3.60] B = .189 [4.80] C = .110 [2.80] D = .086 [2.20] E = .078 [2.00] G = .173 [4.40] øX = .016 [0.47] øY = .019 [0.50] POSITIONS: 1 THRU 40	.100 [2.54] Pitch MCT-1-XX-1-G-SMT A = .197 [5.00] B = .189 [4.80] C = .118 [3.00] D = .100 [2.54] E = .100 [2.54] G = .173 [4.40] øX = .030 [0.76] øY = .023 [0.60] POSITIONS: 1 THRU 40
DUAL ROW SURFACE MOUNT			.050 [1.27] Pitch HMCT-2-XX-1-G-SMT A = .118 [3.00] B = .132 [3.35] C = .078 [2.00] D = .128 [3.25] E = .050 [1.27] G = .232 [5.90] øX = .017 [0.43] øY = .017 [0.43] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2MCT-2-XX-1-G-SMT A = .141 [3.60] B = .189 [4.80] C = .110 [2.80] D = .165 [4.20] E = .078 [2.00] G = .252 [6.40] øX = .016 [0.47] øY = .019 [0.50] POSITIONS: 2 THRU 80	.100 [2.54] Pitch MCT-2-XX-1-G-SMT A = .197 [5.00] B = .189 [4.80] C = .118 [3.00] D = .200 [5.08] E = .100 [2.54] G = .315 [8.00] øX = .030 [0.76] øY = .023 [0.60] POSITIONS: 2 THRU 80

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 	A = .039 [1.00] C = .086 [2.20] D = .098 [2.50] E = .197 [5.00] øX = .015 [0.40] POSITIONS: 1 THRU 40	A = .050 [1.27] C = .086 [2.20] D = .161 [4.10] E = .252 [6.40] øX = .018 [0.46] POSITIONS: 1 THRU 40	A = .078 [2.00] C = .086 [2.20] D = .110 [2.80] E = .291 [7.40] øX = .021 [0.53] POSITIONS: 1 THRU 40	A = .100 [2.54] C = .100 [2.54] D = .118 [3.00] E = .292 [7.43] øX = .020 [0.51] POSITIONS: 1 THRU 40
DUAL ROW STRAIGHT 		.050 [1.27] Pitch HSMC-2-XX-1-GT A = .050 [1.27] B = .050 [1.27] C = .128 [3.25] D = .161 [4.10] E = .252 [6.40] øX = .018 [0.46] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2SMC-2-XX-1-GT A = .078 [2.00] B = .078 [2.00] C = .165 [4.20] D = .110 [2.80] E = .291 [7.40] øX = .021 [0.53] POSITIONS: 2 THRU 80	.100 [2.54] Pitch SMC-2-XX-1-GT A = .100 [2.54] B = .100 [2.54] C = .200 [5.08] D = .118 [3.00] E = .292 [7.43] øX = .020 [0.51] POSITIONS: 2 THRU 80
SINGLE ROW RIGHT ANGLE 		.050 [1.27] Pitch HSMC-1R-XX-1-GT A = .050 [1.27] C = .086 [2.20] D = .161 [4.10] E = .118 [3.00] F = .208 [5.30] øX = .018 [0.46] POSITIONS: 1 THRU 40	.078 [2.00] Pitch 2SMC-1R-XX-1-GT A = .078 [2.00] C = .086 [2.20] D = .110 [2.80] E = .126 [3.20] F = .220 [5.60] øX = .021 [0.53] POSITIONS: 1 THRU 40	.100 [2.54] Pitch SMC-1R-XX-1-GT A = .100 [2.54] C = .100 [2.54] D = .118 [3.00] E = .126 [3.20] F = .220 [5.60] øX = .024 [0.62] POSITIONS: 1 THRU 40
DUAL ROW RIGHT ANGLE 		.050 [1.27] Pitch HSMC-2R-XX-1-GT A = .050 [1.27] B = .050 [1.27] C = .128 [3.25] D = .161 [4.10] E = .118 [3.00] F = .208 [5.30] øX = .018 [0.46] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2SMC-2R-XX-1-GT A = .078 [2.00] B = .078 [2.00] C = .165 [4.20] D = .110 [2.80] E = .126 [3.20] F = .220 [5.60] øX = .021 [0.53] POSITIONS: 2 THRU 80	.100 [2.54] Pitch SMC-2R-XX-1-GT A = .100 [2.54] B = .100 [2.54] C = .200 [5.08] D = .118 [3.00] E = .126 [3.20] F = .220 [5.60] øX = .024 [0.62] POSITIONS: 2 THRU 80
SINGLE ROW SURFACE MOUNT 		.050 [1.27] Pitch HSMC-1-XX-1-GT-SMT A = .050 [1.27] C = .086 [2.20] D = .161 [4.10] E = .204 [5.20] F = .134 [3.40] øX = .018 [0.46] POSITIONS: 1 THRU 40	.078 [2.00] Pitch 2SMC-1-XX-1-GT-SMT A = .078 [2.00] C = .086 [2.20] D = .110 [2.80] E = .228 [5.80] F = .173 [4.40] øX = .021 [0.53] POSITIONS: 1 THRU 40	.100 [2.54] Pitch SMC-1-XX-1-GT-SMT A = .100 [2.54] C = .100 [2.54] D = .118 [3.00] E = .220 [5.60] F = .182 [4.64] øX = .024 [0.62] POSITIONS: 1 THRU 40
DUAL ROW SURFACE MOUNT 		.050 [1.27] Pitch HSMC-2-XX-1-GT-SMT A = .050 [1.27] B = .050 [1.27] C = .128 [3.25] D = .161 [4.10] E = .204 [5.20] F = .193 [4.90] øX = .018 [0.46] POSITIONS: 2 THRU 80	.078 [2.00] Pitch 2SMC-2-XX-1-GT-SMT A = .078 [2.00] B = .078 [2.00] C = .165 [4.20] D = .110 [2.80] E = .228 [5.80] F = .252 [6.40] øX = .021 [0.53] POSITIONS: 2 THRU 80	.100 [2.54] Pitch SMC-2-XX-1-GT-SMT A = .100 [2.54] B = .100 [2.54] C = .200 [5.08] D = .118 [3.00] E = .220 [5.60] F = .282 [7.18] øX = .024 [0.62] POSITIONS: 2 THRU 80