

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 +105°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

CSA Certified File No. LR1578596

**HI-TEMP
INSULATOR
AVAILABLE**



OPTIONS: (MCT series on pg. 183)

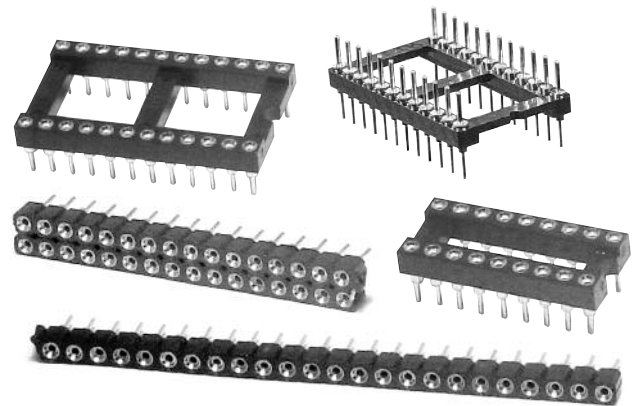
Add designator(s) to end of part number

SMT = Surface mount leads Dual Row

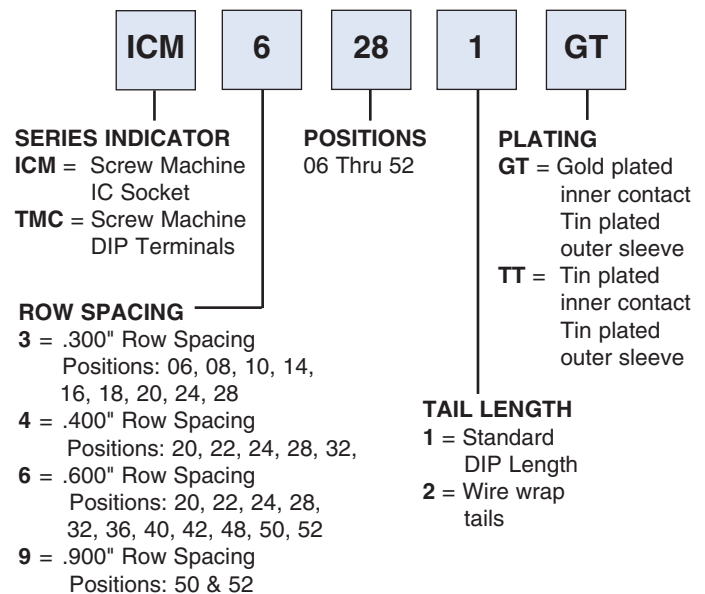
SMT-A = Surface mount leads Type A

SMT-B = Surface mount leads Type B

HT = Hi-Temp insulator for Hi-Temp
soldering processes up to 260°C

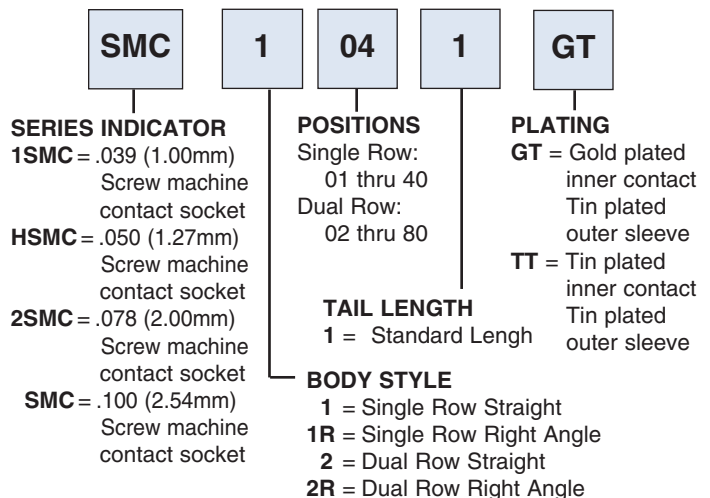


ORDERING INFORMATION OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS

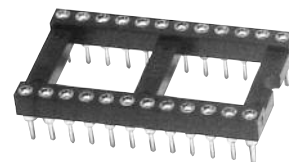
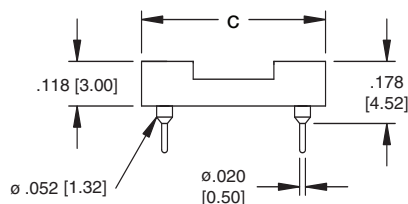
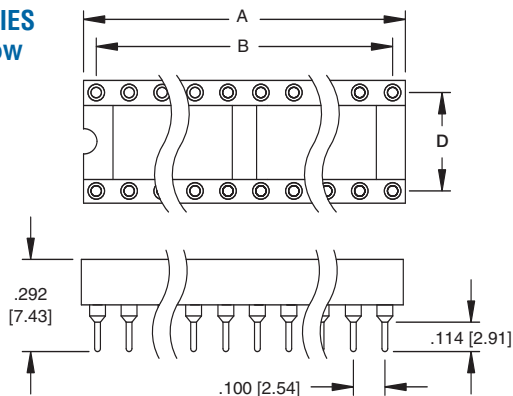


SEE PHOTOS &
DRAWINGS
PGS.184-185

ORDERING INFORMATION SCREW MACHINE SOCKETS

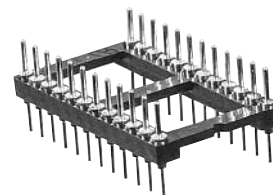
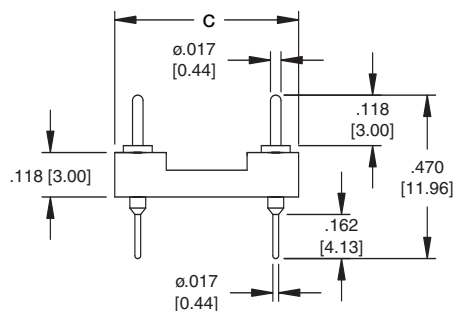
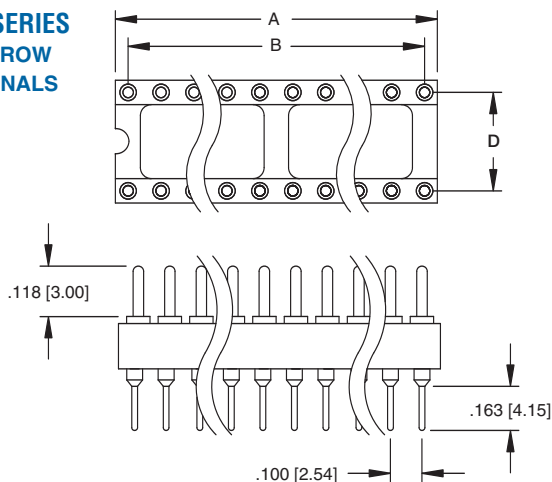


ICM SERIES DUAL ROW SOCKET



ICM-624-1-GT

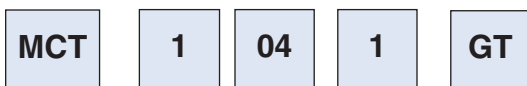
TMC SERIES DUAL ROW TERMINALS



TMC-624-1-GT

Photos & Drawings Pg.184-185 Options Pg.182

ORDERING INFORMATION SCREW MACHINE TERMINAL STRIPS



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

BODY STYLE

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

PLATING

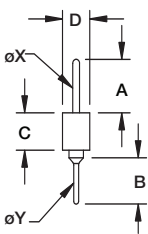

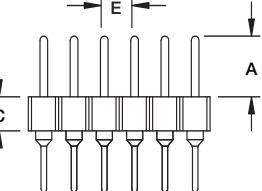
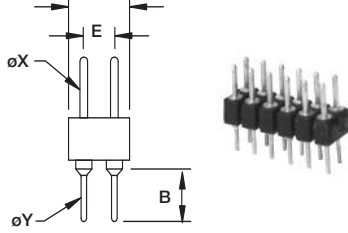
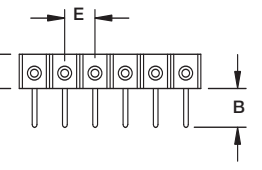
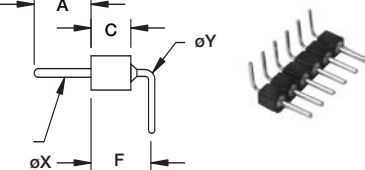
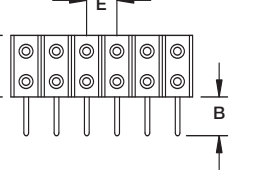
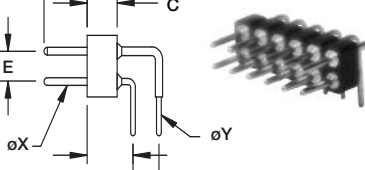
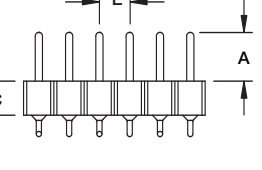
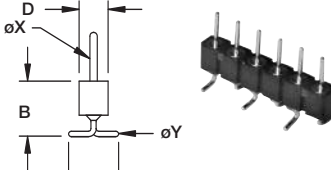
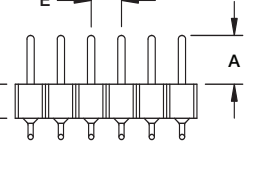
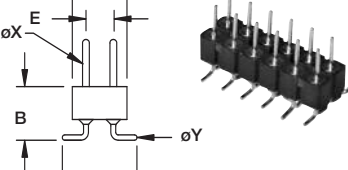
G = Gold Flash overall
T = 100u" Tin overall

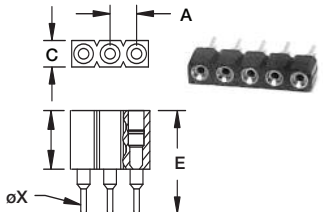
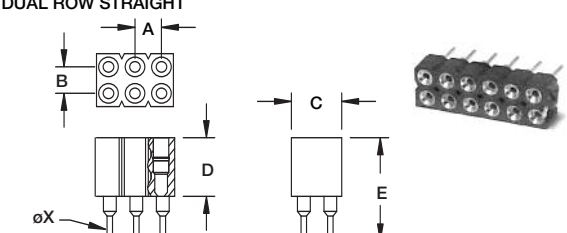
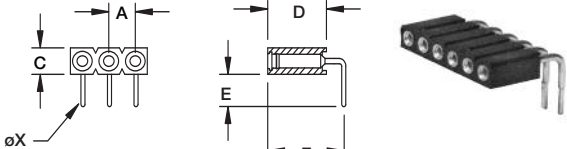
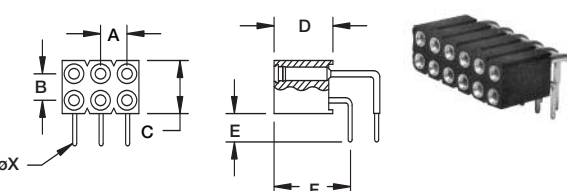
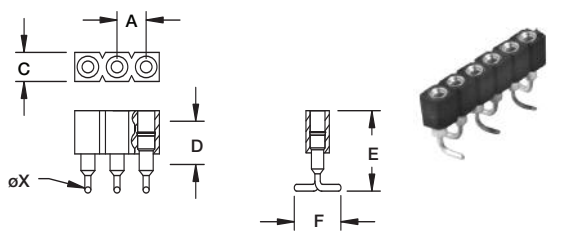
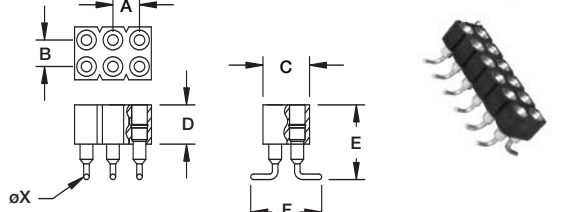
TAIL LENGTH

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]	.500 [12.70]	.400 [10.16]
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]		
20	1.00 [25.40]	.900 [22.86]		
22	1.10 [27.94]	1.00 [25.40]	.700 [17.78]	.600 [15.24]
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]	1.00 [25.40]	.900 [22.86]
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]	2.50 [63.50]	2.40 [60.96]
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]		

Order Information pg.183

CONFIGURATIONS	.039 [1.00] Pitch	.050 [1.27] Pitch	.078 [2.00] Pitch	.100 [2.54] Pitch
SINGLE ROW STRAIGHT  	1MCT-1-XX-1-G 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	.050 [1.27] Pitch HMCT-1-XX-1-G 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	.078 [2.00] Pitch 2MCT-1-XX-1-G 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	.100 [2.54] Pitch MCT-1-XX-1-G 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	.039 [1.00] Pitch	.050 [1.27] Pitch	.078 [2.00] Pitch	.100 [2.54] Pitch
SINGLE ROW STRAIGHT 	1SMC-1-XX-1-GT A = .039 [1.00] C = .086 [2.20] D = .098 [2.50] E = .197 [5.00] øX = .015 [0.40] POSITIONS: 1 THRU 40	.050 [1.27] Pitch HSMC-1-XX-1-GT A = .050 [1.27] C = .086 [2.20] D = .161 [4.10] E = .252 [6.40] øX = .018 [0.46] POSITIONS: 1 THRU 40	.078 [2.00] Pitch 2SMC-1-XX-1-GT A = .078 [2.00] C = .086 [2.20] D = .110 [2.80] E = .291 [7.40] øX = .021 [0.53] POSITIONS: 1 THRU 40	.100 [2.54] Pitch SMC-1-XX-1-GT 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	