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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

HI-TEMP INSULATOR AVAILABLE

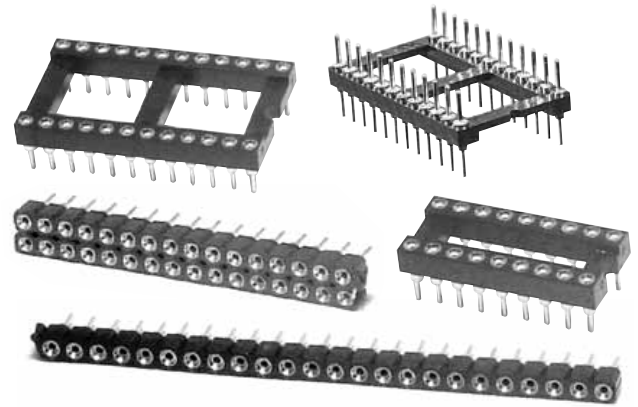RoHS COMPLIANT

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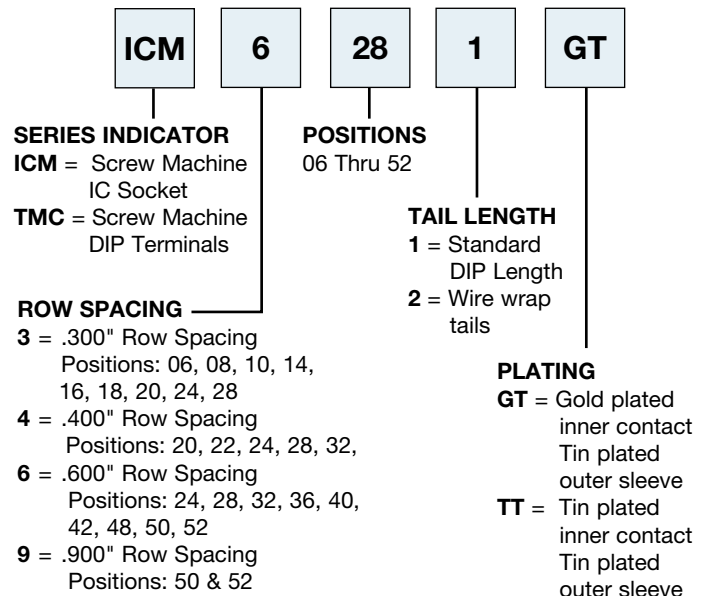   **SMT** = Surface mount leads Dual Row
SMT-A = Surface mount leads Type A
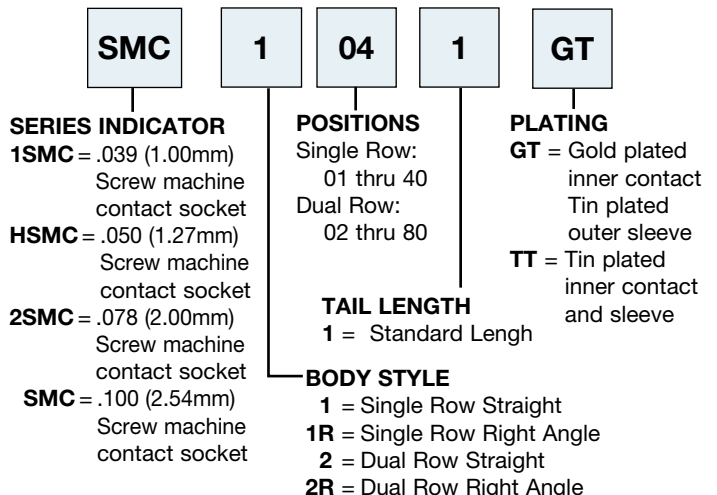**SMT-B** = Surface mount leads Type B
    HT = Hi-Temp insulator for Hi-Temp
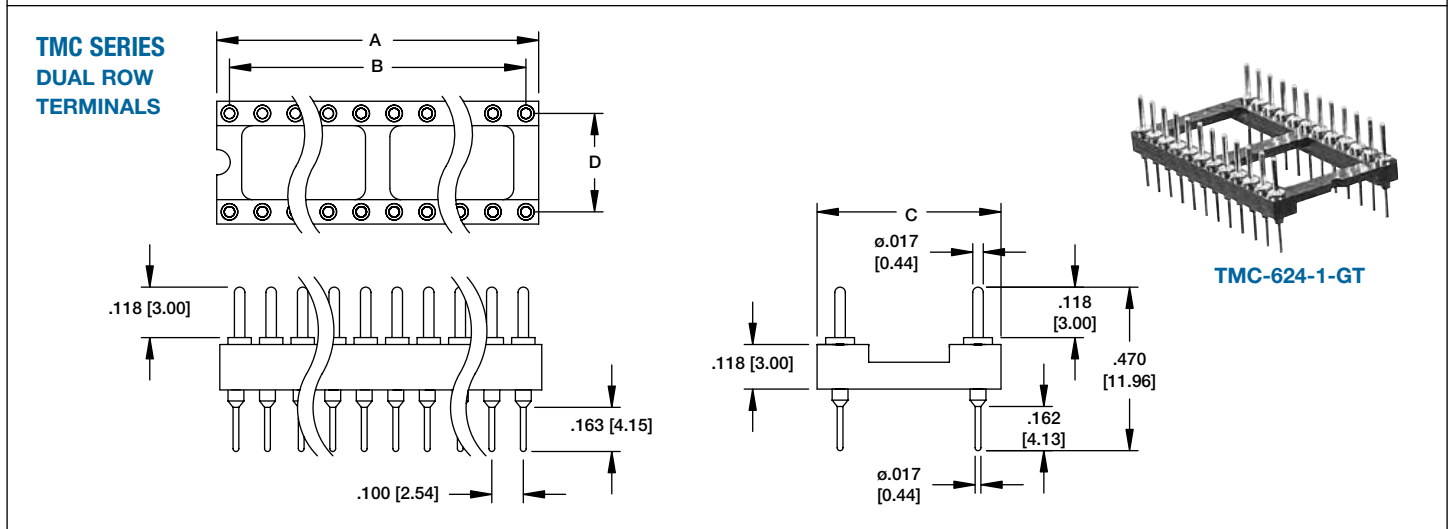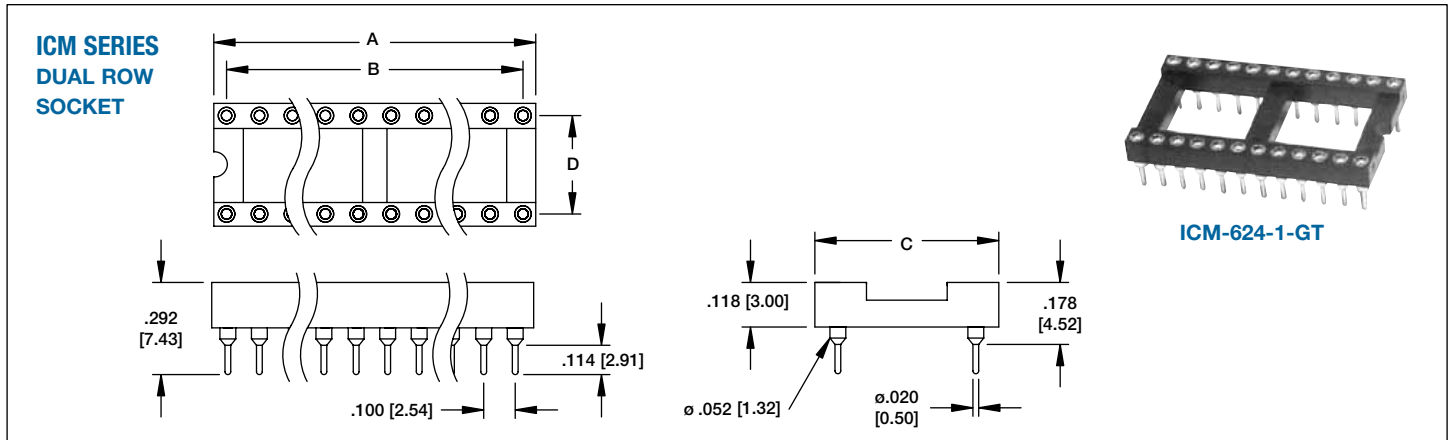   soldering processes up to 260°C

ORDERING INFORMATION
OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS
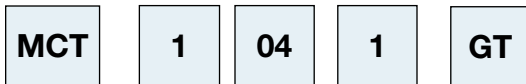
ICM	6	28	1	GT

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

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

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

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 Lengh

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

.292 [7.43]
.114 [2.91]
.100 [2.54]
.118 [3.00]
.178 [4.52]
ø .052 [1.32]
ø.020 [0.50]

TMC SERIES
DUAL ROW TERMINALS

TMC-624-1-GT

.118 [3.00]
.163 [4.15]
.100 [2.54]
ø.017 [0.44]
.118 [3.00]
.118 [3.00]
.470 [11.96]
.162 [4.13]
ø.017 [0.44]

Drawings Pg.192

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

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
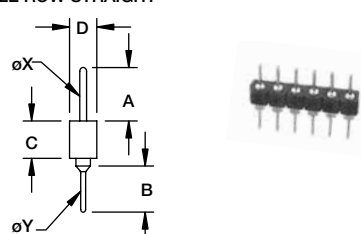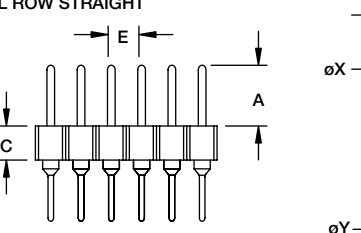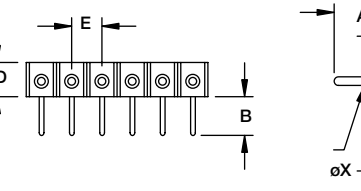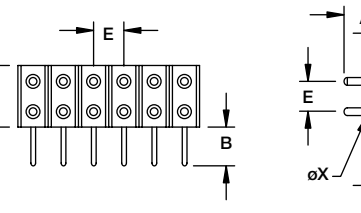
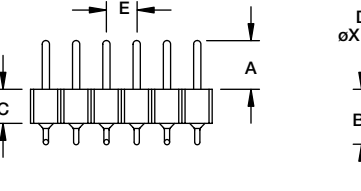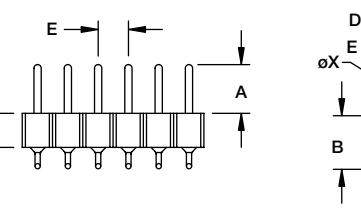**TAIL LENGTH**
1 = Standard Lengh
2 = Special Lengh, customer specified as tail length/ total length

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]	.400 [10.16]	.300 [7.62]
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]		
20	1.00 [25.40]	.900 [22.86]		
22	1.10 [27.94]	1.00 [25.40]		
24	1.20 [30.48]	1.10 [27.94]	.500 [12.70]	.400 [10.16]
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]	.700 [17.78]	.600 [15.24]
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]		

ADAM TECH
ADVANCED INTERCONNECT PRODUCTS AND SYSTEMS

SCREW MACHINE SOCKETS & TERMINAL STRIPS

ICM SERIES

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	.078 [2.00] Pitch 2MCT-2-XX-1-G	.100 [2.54] Pitch MCT-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	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	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	.078 [2.00] Pitch 2MCT-1R-XX-1-G	.100 [2.54] Pitch MCT-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	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	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	.078 [2.00] Pitch 2MCT-2R-XX-1-G	.100 [2.54] Pitch MCT-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	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	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	.078 [2.00] Pitch 2MCT-1-XX-1-G-SMT	.100 [2.54] Pitch MCT-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	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	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	.078 [2.00] Pitch 2MCT-2-XX-1-G-SMT	.100 [2.54] Pitch MCT-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	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	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

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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