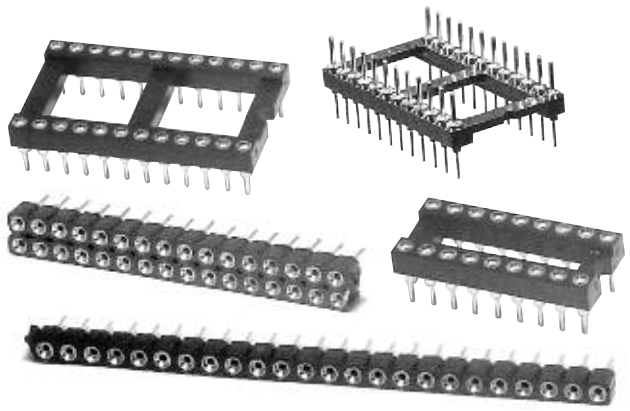
ADAM TECH
Adam Technologies, Inc.

SCREW MACHINE SOCKETS & TERMINAL STRIPS

ICM SERIES



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

RoHS COMPLIANT

APPROVALS AND CERTIFICATIONS:
UL Recognized & CSA Certified, File no. E224053

c UL us

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

SEE PGS. 190-191

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

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

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

TAIL LENGTH
1 = Standard Lengh

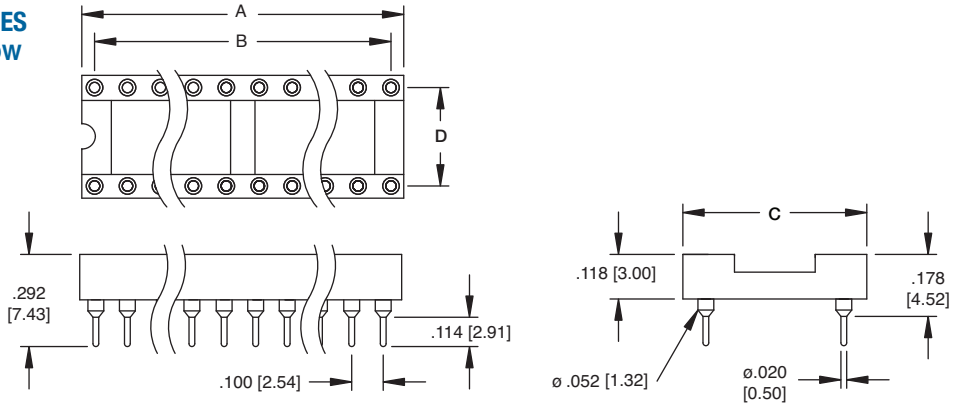
PLATING
GT = Gold plated inner contact Tin plated outer sleeve
TT = Tin plated inner contact Tin plated outer sleeve

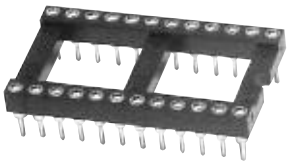
OPTIONS: (MCT series on pg. 189-190)
Add designator(s) to end of part number
SMT = Surface mount leads Dual Row
SMT-A = Surface mount leads Type A
SMT-B = Surface mount leads Type B
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

SCREW MACHINE SOCKETS & TERMINAL STRIPS

ICM SERIES

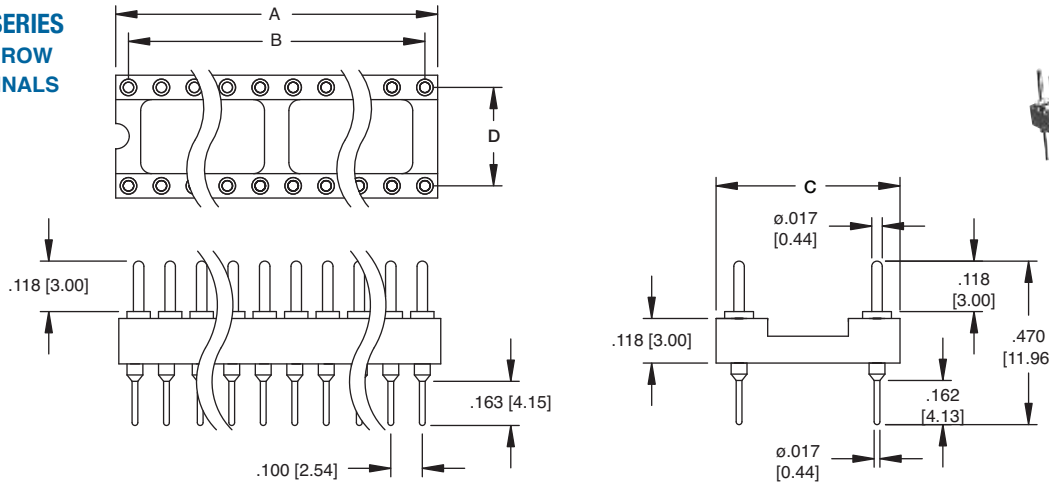
ICM SERIES
DUAL ROW
SOCKET

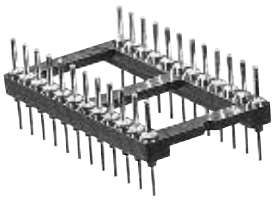




ICM-624-1-GT

TMC SERIES
DUAL ROW
TERMINALS





TMC-624-1-GT

Drawings Pg.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

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

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

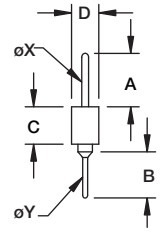
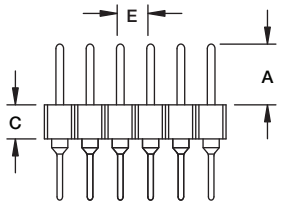
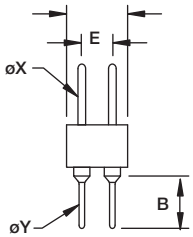
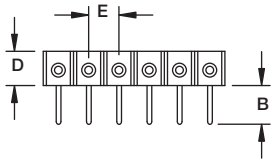
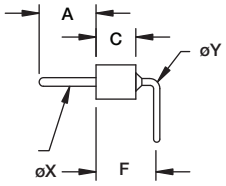
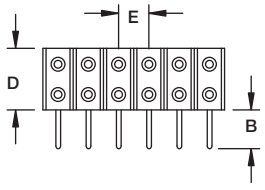
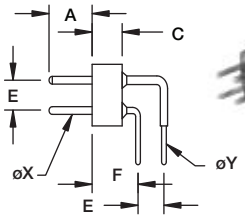
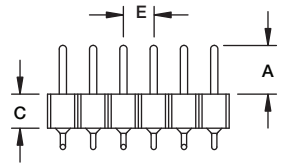
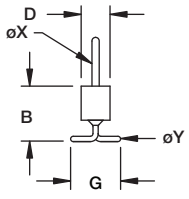
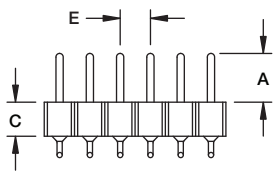
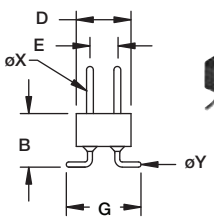
PLATING
G = Gold Flash overall
T = 100u" Tin overall

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]		
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]	.500 [12.70]	.400 [10.16]
22	1.10 [27.94]	1.00 [25.40]		
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]	.700 [17.78]	.600 [15.24]
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]	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]		

SCREW MACHINE SOCKETS & TERMINAL STRIPS

ICM SERIES

Order Information pg.188-189

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

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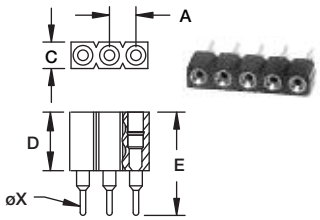
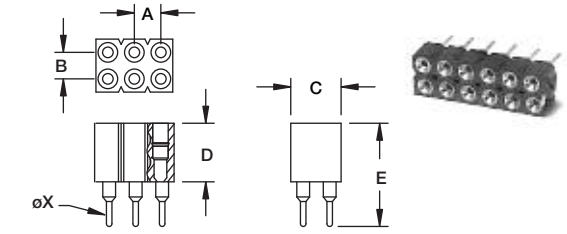
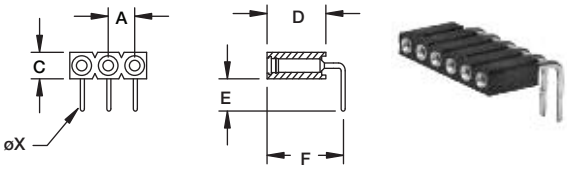
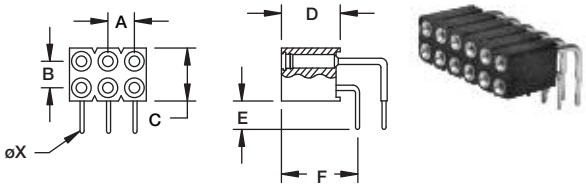
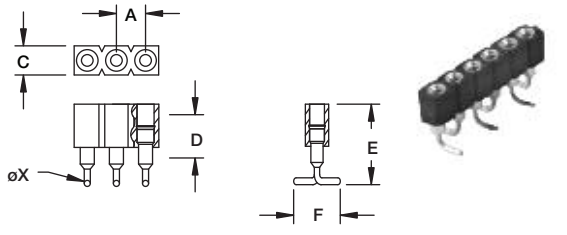
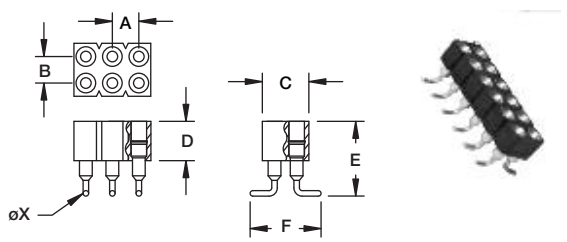
SCREW MACHINE SOCKETS & TERMINAL STRIPS

ICM SERIES

Order Information pg.188-189

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

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