

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

OPTIONS: (MCT series on pg. 191)

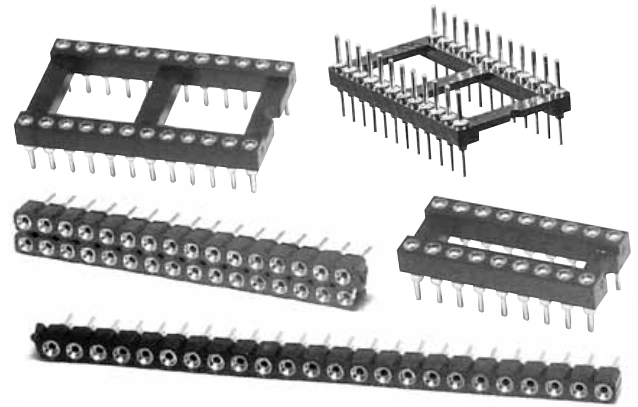
Add designator(s) to end of part number

SMT = Surface mount leads Dual Row

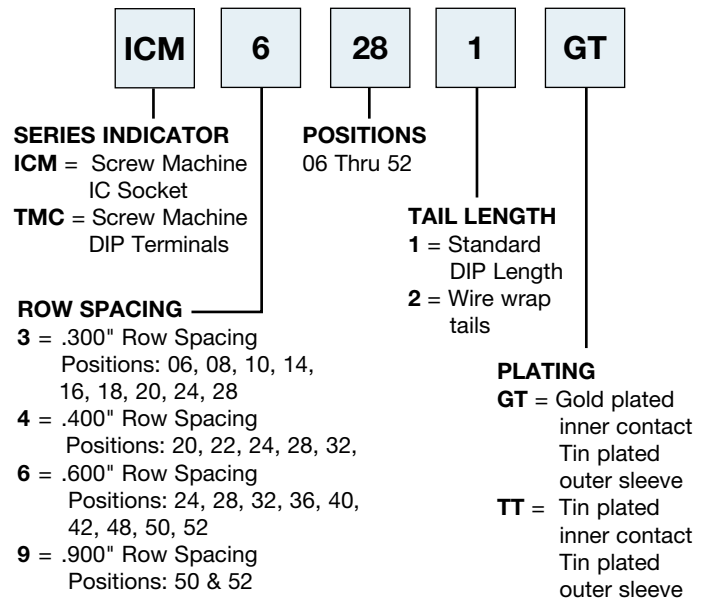
SMT-A = Surface mount leads Type A

SMT-B = Surface mount leads Type B

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

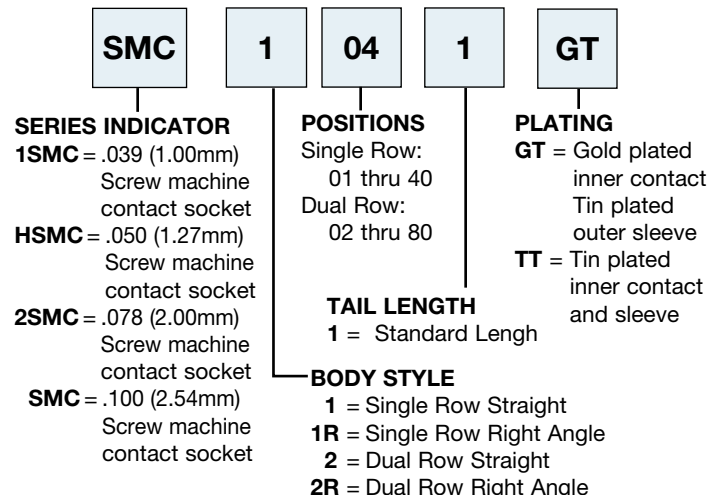


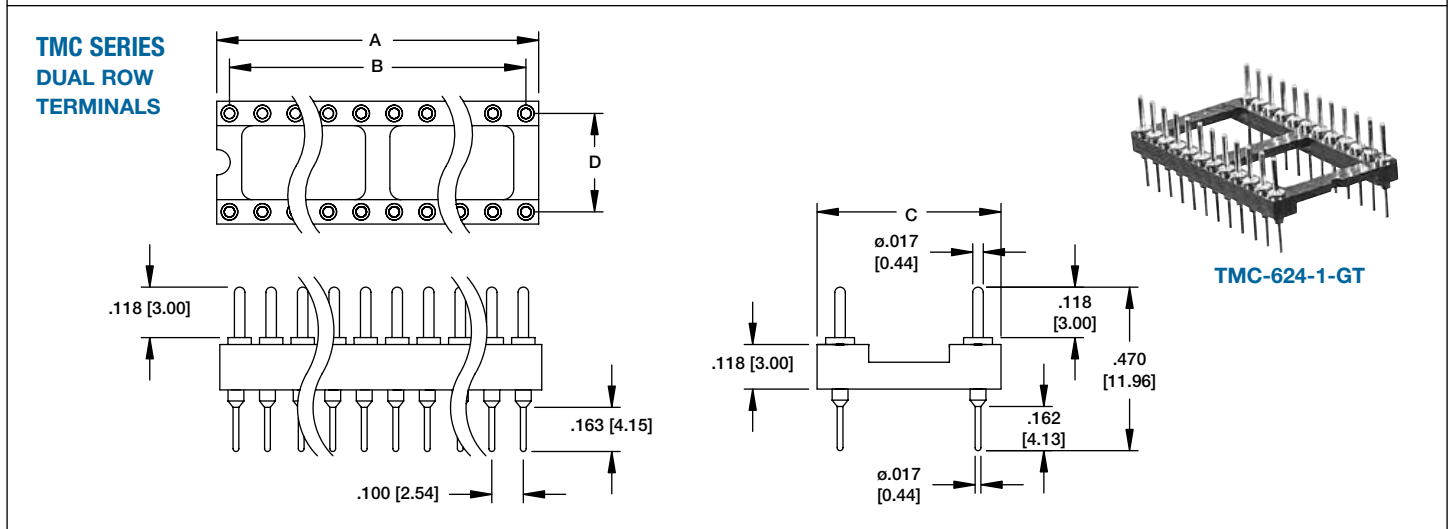
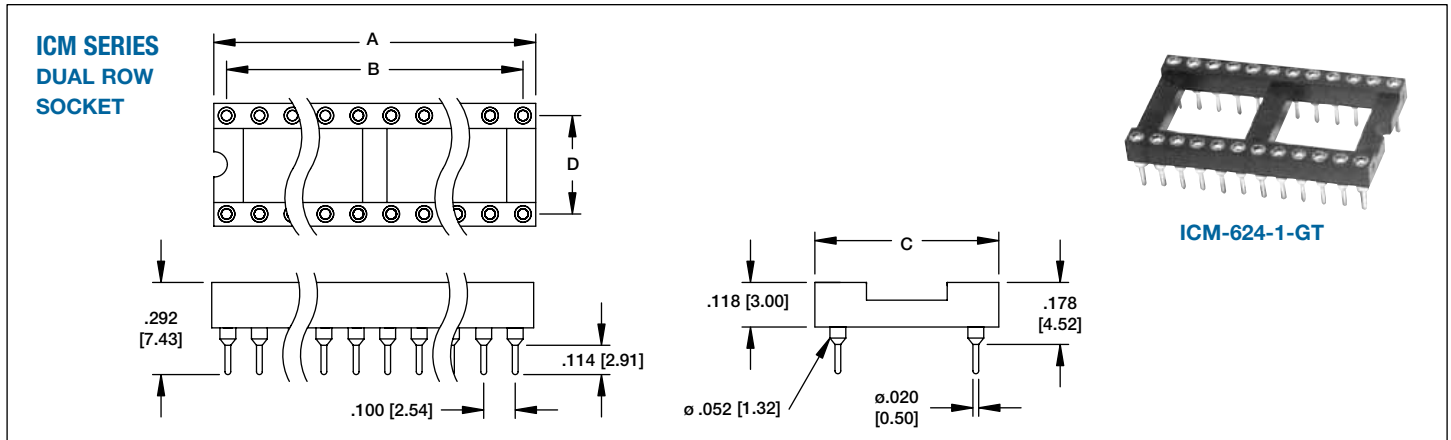
ORDERING INFORMATION OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS



SEE PGS. 193

ORDERING INFORMATION SCREW MACHINE SOCKETS





Drawings Pg.192

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

PLATING

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

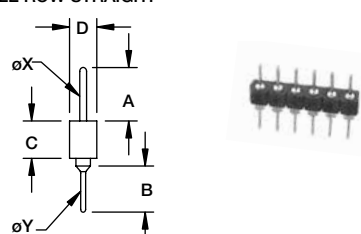

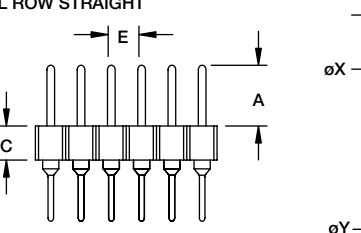

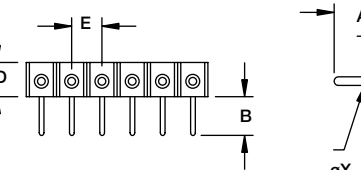

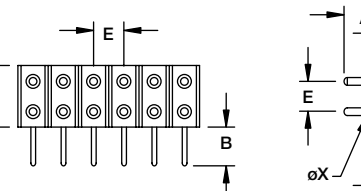

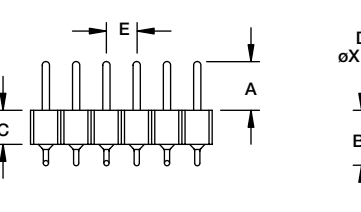

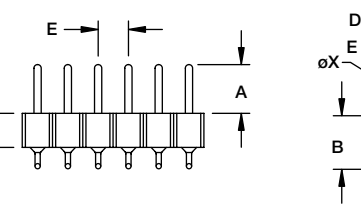

TAIL LENGTH

- 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]	.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]		
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]		
28	1.40	[35.56]	1.30	[33.02]	.700 [17.78]	.600 [15.24]
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]	1.00 [25.40]	.900 [22.86]
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]		
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	