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TABLE 1			
"A" RANGE	BODY STYLE (SEE NOTE 5 & 6)		FIG
	UPPER	LOWER	
.095[2.41] - .129[3.28]	FTM-XX-D	FTM-XX-D	2
.130[3.30] - .245[6.22]	FTMH-XX-D	MW-XX-D	1

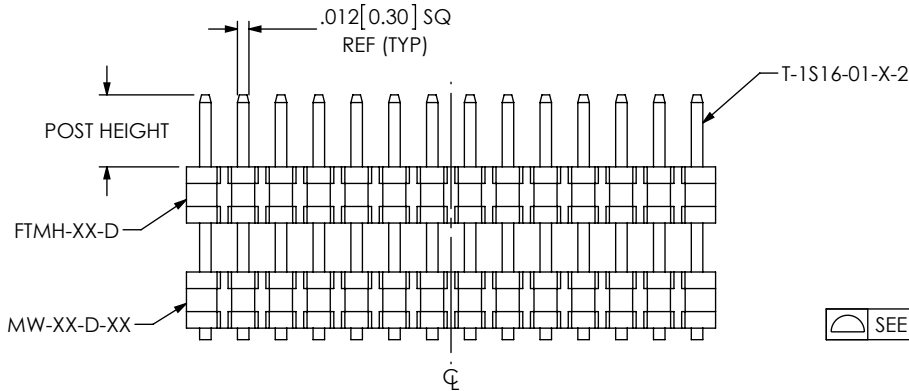
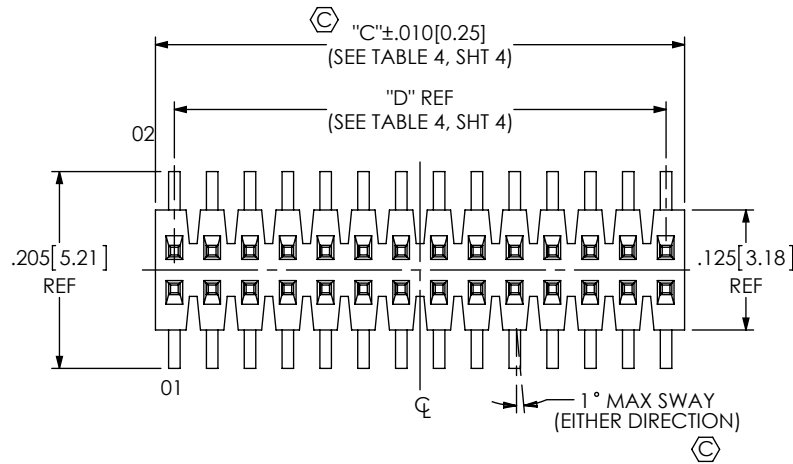


FIG 1
MW-14-03-X-D-T80-075 SHOWN

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. PARTS MAY BE CUT TO POSITION; MAXIMUM CUT FLASH: .010 [0.25].
3. SHEAR TAILS TO DIMENSION SHOWN; BURR ALLOWANCE: .003 [0.038] MAX. (FOR HAND TOOLING ONLY)
4. PACKAGE POSITIONS 05 THROUGH 50 IN TUBES; LAYER PACKAGE POSITIONS 02 THROUGH 04.
5. HAND ASSEMBLED PARTS TO BE 2 BLACK BODIES AND MACHINE ASSEMBLED TO BE TOP: BLACK; BOTTOM: NATURAL, BOARD SPACE .130-.245. BOARD SPACE .095-.129 WILL HAVE BLACK FTM BODY
6. FOR HAND FILL, USE FTMH-XX-D FOR LOWER BODY.
7. FOR MACHINE FILLED, USE T-1S16-03-X-2.
8. AVAILABLE ONLY WITH BOARD SPACE .130 TO .245.
9. 75 POSITION AVAILABLE FOR SAMTEC INVENTORY ONLY.
10. FOR ADDED MECHANICAL STABILITY, SAMTEC RECOMMENDS MECHANICAL BOARD SPACERS BE USED IN APPLICATIONS WITH GOLD OR SELECTIVE GOLD PLATED CONNECTORS. CONTACT IPG@SAMTEC.COM FOR MORE INFORMATION.

MW-XX-03-X-D-XXX-XXX-XX

No OF POSITIONS
-02 THRU -50
(PER ROW)

LEAD STYLE
USE T-1S16-01-X-2
(SEE NOTE 7)

PLATING SPECIFICATION
-F: 3μ" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-L: 10μ" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-G: 10μ" GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL
-H: 30μ" GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL

ROW SPECIFICATION
-D: DOUBLE
(SEE TABLE 1 FOR BODY)

BOARD SPACE OPTION
"A": .245 [6.22] MAX w/ .065 [1.65] POST,
.095 [2.41] MIN.

OPTION
-P: PICK & PLACE PAD
(SEE SHT 2, FIG 3, USE PPP-30)
(7 POS PER ROW MIN)
(USE PPP-30-NT FOR -TR ONLY)
-ES: END SHROUDS
(9 POS PER ROW MIN)
(SEE SHT 2, FIG 4)
(MAX POST: .075 [1.91])
(SEE NOTE 8)
-EP: GUIDE POST
(9 POS PER ROW MIN)
(SEE SHT 2, FIG 5)
(MAX POST: .075 [1.91])
(SEE NOTE 8)
-A: ALIGNMENT PINS (MOLDED OR
STAKED, SAMTEC'S DISCRETION ON
WHICH)(SEE FIGS 6 & 7, SHT 3)
(STAKED: 7 POS MIN, 60 POS MAX)
(MOLDED: 5 POS MIN, 75 POS MAX)
(SEE NOTE 8)
-TR: TAPE & REEL
(ALL POSITIONS)
(MAX HEIGHT: .6875)

POST HEIGHT
.065 [1.65] MIN
(POST + BOARD SPACE = .310 [7.87] MAX)

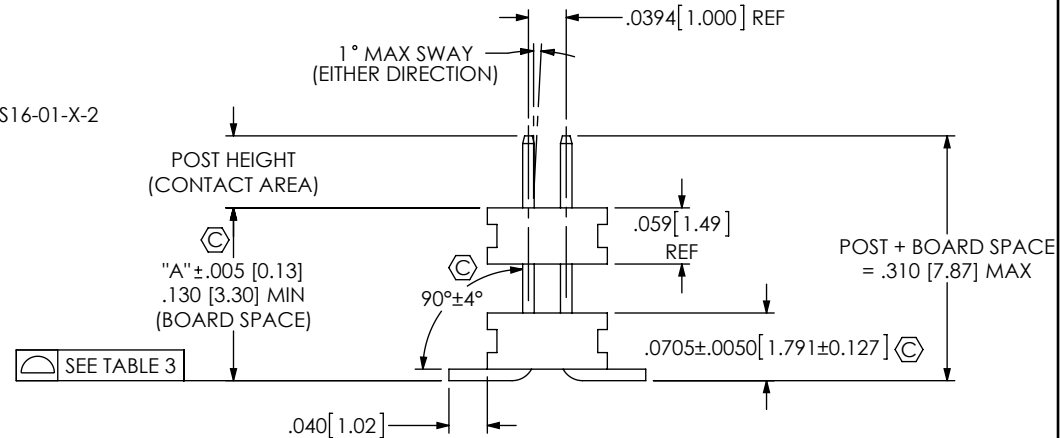


TABLE 3	
No. OF POS	"A"
02-30 POS	.004 [0.10]
31-50 POS	.006 [0.15]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 5:1
INSULATOR: LCP; FTM-XX-D & FTMH-XX-D COLOR: BLACK
MW-XX-D-XX COLOR: NATURAL
TERMINAL: PHOS BRONZE
MAX FLASH ALLOWED: .002 [0.05]
MAX GATE VESTIGE: .002 [0.05]

DESCRIPTION:
1mm x 1mm SM BOARD STACKER ASSEMBLY
DWG. NO.
MW-XX-03-X-D-XXX-XXX-XX
BY: BRATCHER 4/3/1995 SHEET 1 OF 4

samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code 55322

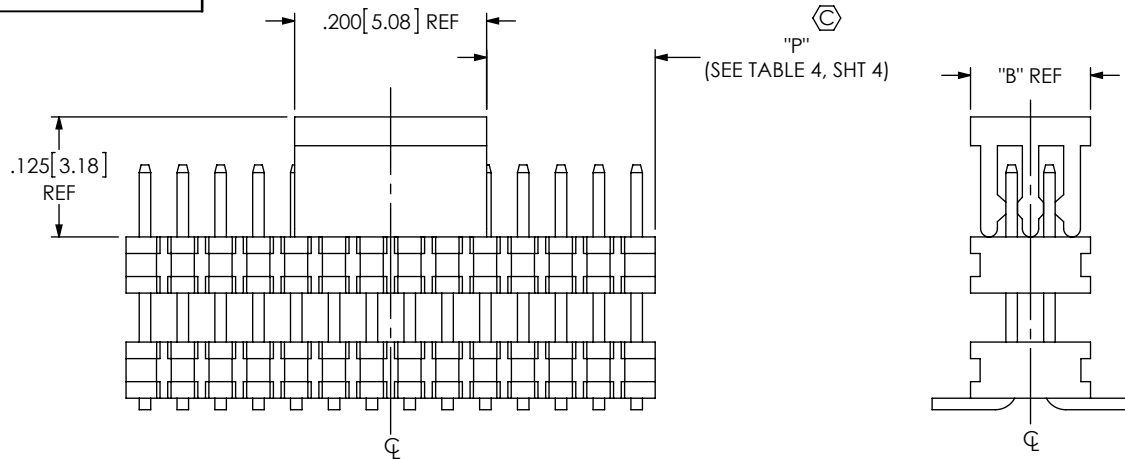


FIG 3
MW-14-03-X-D-180-075-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 2	
PART NO	"B"
PPP-30	.125 [3.18]
PPP-30-NT	.190 [4.83]

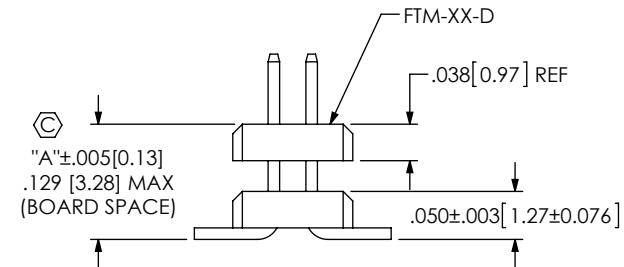


FIG 2
MW-10-03-X-D-T20-073 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

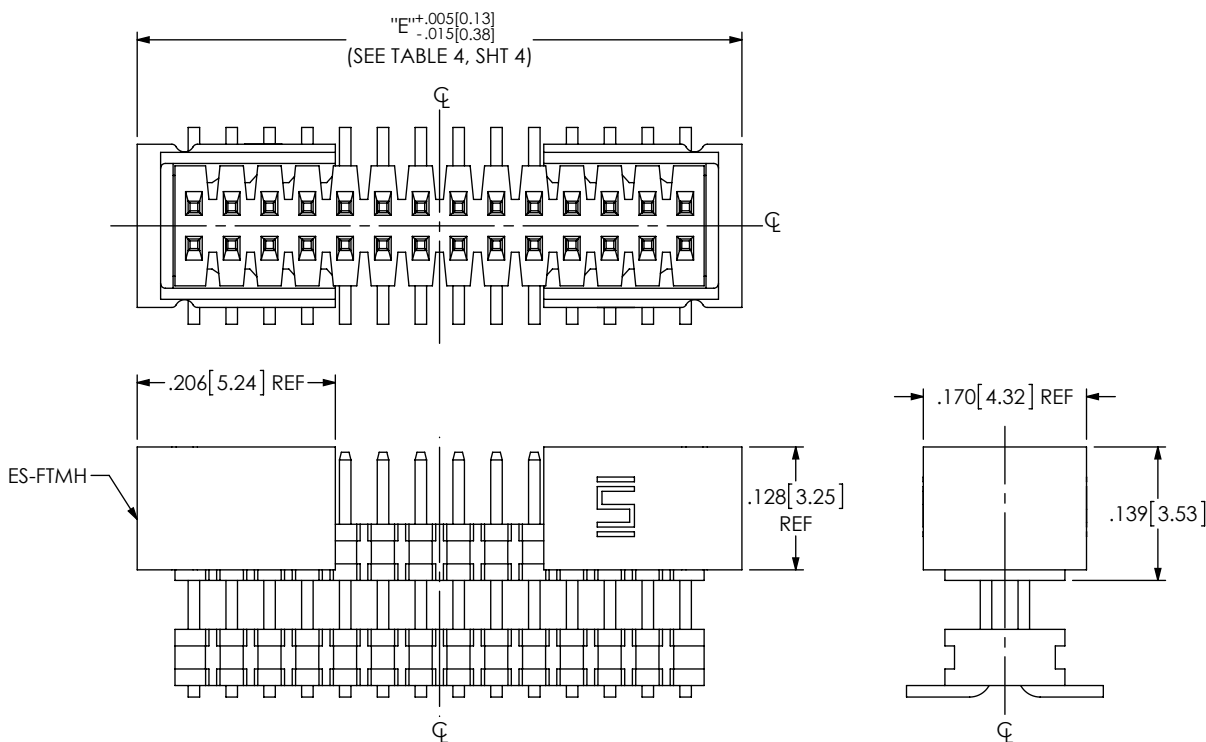
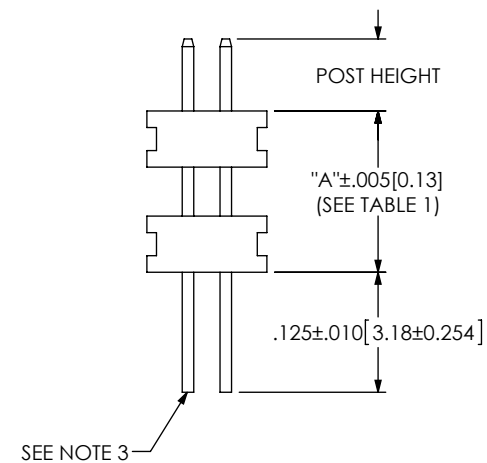


FIG 4
MW-14-03-X-D-180-075-ES SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



IN-PROCESS
*FOR HAND TOOLING ONLY
(FOR MACHINE FILL A=
.160 MIN BEFORE REPRESS)

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
1mm x 1mm SM BOARD STACKER ASSEMBLY

DWG. NO.
MW-XX-03-X-D-XXX-XXX-XX

BY: BRATCHER 4/3/1995 SHEET 2 OF 4

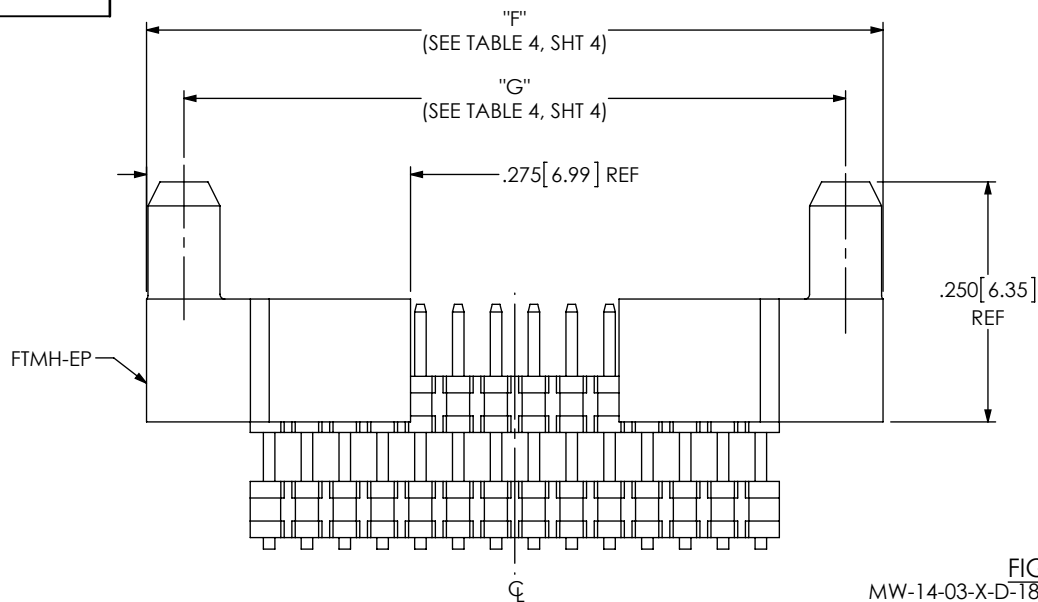


FIG 5
MW-14-03-X-D-180-075-EP SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

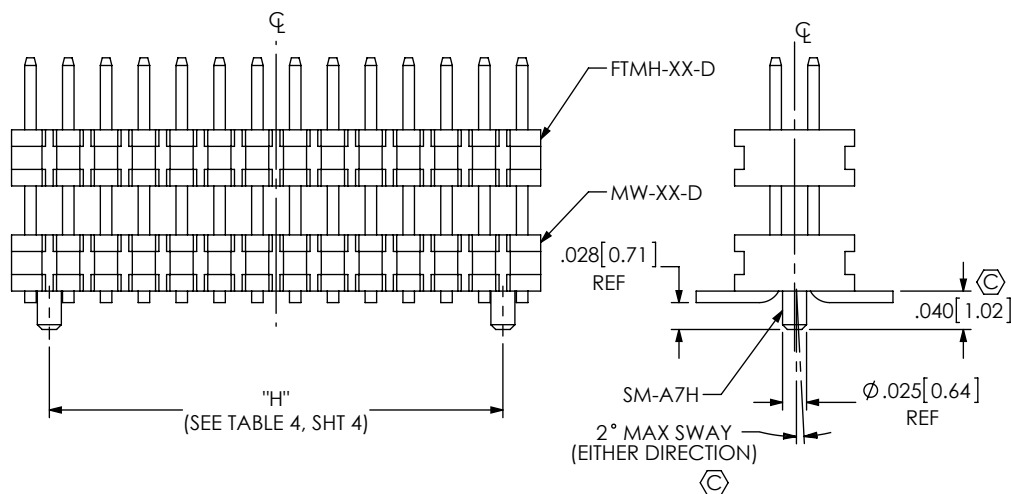
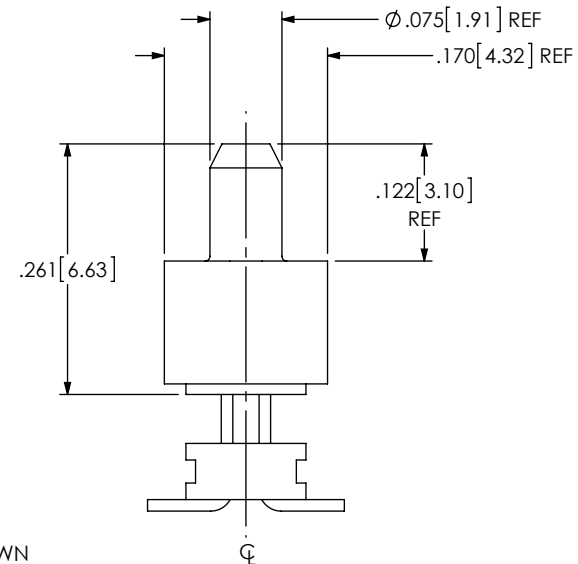


FIG 6
STAKED -A OPTION
MW-14-03-X-D-180-075-A SHOWN
(60 POSITION MAX)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

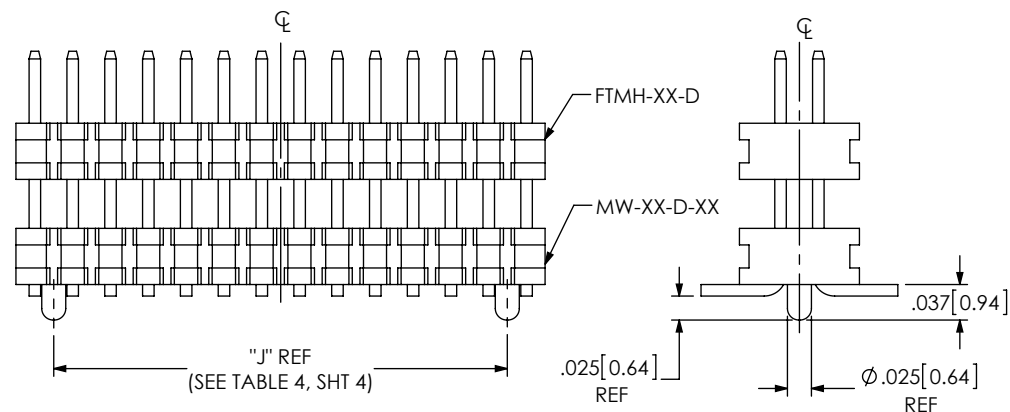


FIG 7
MOLDED -A OPTION
MW-14-03-X-D-180-075-A SHOWN
(75 POSITION MAX)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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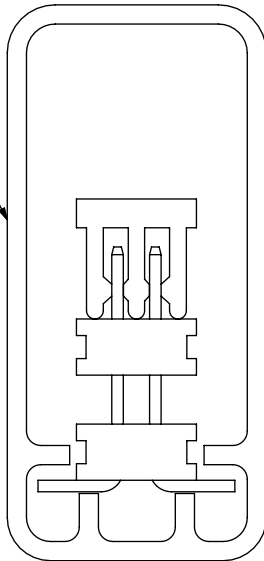
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
1mm x 1mm SM BOARD STACKER ASSEMBLY

DWG. NO.
MW-XX-03-X-D-XXX-XXX-XX

BY: BRATCHER 4/3/1995 SHEET 3 OF 4

REVISION AR



PACKAGING VIEW

No. OF POS	TABLE 4							
	"C"	"D"	"E"	"F"	"G"	"H"	"J"	"P"
02	.079 [2.00]	.039 [1.00]	N/A	N/A	N/A	N/A	N/A	N/A
03	.118 [3.00]	.079 [2.00]	N/A	N/A	N/A	N/A	N/A	N/A
04	.157 [4.00]	.118 [3.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.197 [5.00]	.157 [4.00]	N/A	N/A	N/A	N/A	.118 [3.00]	N/A
06	.236 [6.00]	.197 [5.00]	N/A	N/A	N/A	N/A	.157 [4.00]	N/A
07	.276 [7.00]	.236 [6.00]	N/A	N/A	N/A	.197 [5.00]	.197 [5.00]	.038 [0.96]
08	.315 [8.00]	.276 [7.00]	N/A	N/A	N/A	.236 [6.00]	.236 [6.00]	.057 [1.46]
09	.354 [9.00]	.315 [8.00]	.433 [11.00]	.570 [14.48]	.491 [12.47]	.276 [7.00]	.276 [7.00]	.077 [1.96]
10	.394 [10.00]	.354 [9.00]	.472 [12.00]	.609 [15.48]	.530 [13.47]	.315 [8.00]	.315 [8.00]	.097 [2.46]
11	.433 [11.00]	.394 [10.00]	.512 [13.00]	.649 [16.48]	.570 [14.47]	.354 [9.00]	.354 [9.00]	.117 [2.96]
12	.472 [12.00]	.433 [11.00]	.551 [14.00]	.688 [17.48]	.609 [15.47]	.394 [10.00]	.394 [10.00]	.136 [3.46]
13	.512 [13.00]	.472 [12.00]	.591 [15.00]	.728 [18.48]	.648 [16.47]	.433 [11.00]	.433 [11.00]	.156 [3.96]
14	.551 [14.00]	.512 [13.00]	.630 [16.00]	.767 [19.48]	.688 [17.47]	.472 [12.00]	.472 [12.00]	.176 [4.46]
15	.591 [15.00]	.551 [14.00]	.669 [17.00]	.806 [20.48]	.727 [18.47]	.512 [13.00]	.512 [13.00]	.195 [4.96]
16	.630 [16.00]	.591 [15.00]	.709 [18.00]	.846 [21.48]	.767 [19.47]	.551 [14.00]	.551 [14.00]	.215 [5.46]
17	.669 [17.00]	.630 [16.00]	.748 [19.00]	.885 [22.48]	.806 [20.47]	.591 [15.00]	.591 [15.00]	.235 [5.96]
18	.709 [18.00]	.669 [17.00]	.787 [20.00]	.924 [23.48]	.845 [21.47]	.630 [16.00]	.630 [16.00]	.254 [6.46]
19	.748 [19.00]	.709 [18.00]	.827 [21.00]	.964 [24.48]	.885 [22.47]	.669 [17.00]	.669 [17.00]	.274 [6.96]
20	.787 [20.00]	.748 [19.00]	.866 [22.00]	1.003 [25.48]	.924 [23.47]	.709 [18.00]	.709 [18.00]	.294 [7.46]
21	.827 [21.00]	.787 [20.00]	.906 [23.00]	1.043 [26.48]	.963 [24.47]	.748 [19.00]	.748 [19.00]	.313 [7.96]
22	.866 [22.00]	.827 [21.00]	.945 [24.00]	1.082 [27.48]	1.003 [25.47]	.787 [20.00]	.787 [20.00]	.333 [8.46]
23	.906 [23.00]	.866 [22.00]	.984 [25.00]	1.121 [28.48]	1.042 [26.47]	.827 [21.00]	.827 [21.00]	.353 [8.96]
24	.945 [24.00]	.906 [23.00]	1.024 [26.00]	1.161 [29.48]	1.081 [27.47]	.866 [22.00]	.866 [22.00]	.372 [9.46]
25	.984 [25.00]	.945 [24.00]	1.063 [27.00]	1.200 [30.48]	1.121 [28.47]	.906 [23.00]	.906 [23.00]	.392 [9.96]
26	1.024 [26.00]	.984 [25.00]	1.102 [28.00]	1.239 [31.48]	1.160 [29.47]	.945 [24.00]	.945 [24.00]	.412 [10.46]
27	1.063 [27.00]	1.024 [26.00]	1.142 [29.00]	1.279 [32.48]	1.200 [30.47]	.984 [25.00]	.984 [25.00]	.431 [10.96]
28	1.102 [28.00]	1.063 [27.00]	1.181 [30.00]	1.318 [33.48]	1.239 [31.47]	1.024 [26.00]	1.024 [26.00]	.451 [11.46]
29	1.142 [29.00]	1.102 [28.00]	1.220 [31.00]	1.357 [34.48]	1.278 [32.47]	1.063 [27.00]	1.063 [27.00]	.471 [11.96]
30	1.181 [30.00]	1.142 [29.00]	1.260 [32.00]	1.397 [35.48]	1.318 [33.47]	1.102 [28.00]	1.102 [28.00]	.491 [12.46]
31	1.220 [31.00]	1.181 [30.00]	1.299 [33.00]	1.436 [36.48]	1.357 [34.47]	1.142 [29.00]	1.142 [29.00]	.510 [12.96]
32	1.260 [32.00]	1.220 [31.00]	1.339 [34.00]	1.476 [37.48]	1.396 [35.47]	1.181 [30.00]	1.181 [30.00]	.530 [13.46]
33	1.299 [33.00]	1.260 [32.00]	1.378 [35.00]	1.515 [38.48]	1.436 [36.47]	1.220 [31.00]	1.220 [31.00]	.550 [13.96]
34	1.339 [34.00]	1.299 [33.00]	1.417 [36.00]	1.554 [39.48]	1.475 [37.47]	1.260 [32.00]	1.260 [32.00]	.569 [14.46]
35	1.378 [35.00]	1.339 [34.00]	1.457 [37.00]	1.594 [40.48]	1.515 [38.47]	1.299 [33.00]	1.299 [33.00]	.589 [14.96]
36	1.417 [36.00]	1.378 [35.00]	1.496 [38.00]	1.633 [41.48]	1.554 [39.47]	1.339 [34.00]	1.339 [34.00]	.609 [15.46]
37	1.457 [37.00]	1.417 [36.00]	1.535 [39.00]	1.672 [42.48]	1.593 [40.47]	1.378 [35.00]	1.378 [35.00]	.628 [15.96]
38	1.496 [38.00]	1.457 [37.00]	1.575 [40.00]	1.712 [43.48]	1.633 [41.47]	1.417 [36.00]	1.417 [36.00]	.648 [16.46]
39	1.535 [39.00]	1.496 [38.00]	1.614 [41.00]	1.751 [44.48]	1.672 [42.47]	1.457 [37.00]	1.457 [37.00]	.668 [16.96]
40	1.575 [40.00]	1.535 [39.00]	1.654 [42.00]	1.791 [45.48]	1.711 [43.47]	1.496 [38.00]	1.496 [38.00]	.687 [17.46]
41	1.614 [41.00]	1.575 [40.00]	1.693 [43.00]	1.830 [46.48]	1.751 [44.47]	1.535 [39.00]	1.535 [39.00]	.707 [17.96]
42	1.654 [42.00]	1.614 [41.00]	1.732 [44.00]	1.869 [47.48]	1.790 [45.47]	1.575 [40.00]	1.575 [40.00]	.727 [18.46]
43	1.693 [43.00]	1.654 [42.00]	1.772 [45.00]	1.909 [48.48]	1.830 [46.47]	1.614 [41.00]	1.614 [41.00]	.746 [18.96]
44	1.732 [44.00]	1.693 [43.00]	1.811 [46.00]	1.948 [49.48]	1.869 [47.47]	1.654 [42.00]	1.654 [42.00]	.766 [19.46]
45	1.772 [45.00]	1.732 [44.00]	1.850 [47.00]	1.987 [50.48]	1.908 [48.47]	1.693 [43.00]	1.693 [43.00]	.786 [19.96]
46	1.811 [46.00]	1.772 [45.00]	1.890 [48.00]	2.027 [51.48]	1.948 [49.47]	1.732 [44.00]	1.732 [44.00]	.806 [20.46]
47	1.850 [47.00]	1.811 [46.00]	1.929 [49.00]	2.066 [52.48]	1.987 [50.47]	1.772 [45.00]	1.772 [45.00]	.825 [20.96]
48	1.890 [48.00]	1.850 [47.00]	1.969 [50.00]	2.106 [53.48]	2.026 [51.47]	1.811 [46.00]	1.811 [46.00]	.845 [21.46]
49	1.929 [49.00]	1.890 [48.00]	2.008 [51.00]	2.145 [54.48]	2.066 [52.47]	1.850 [47.00]	1.850 [47.00]	.865 [21.96]
50	1.969 [50.00]	1.929 [49.00]	2.047 [52.00]	2.184 [55.48]	2.105 [53.47]	1.890 [48.00]	1.890 [48.00]	.884 [22.46]

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

1mm x 1mm SM BOARD STACKER ASSEMBLY

DWG. NO.

MW-XX-03-X-D-XXX-XXX-XX

BY: BRATCHER

4/3/1995

SHEET 4 OF 4