

HDWM-XX-XX-XX-X-XXX-SM-XXX

BODY LENGTH SPEC
EXPRESSED IN # POS PER ROW
(-01 THRU -50)

LEAD STYLE
SEE TABLE 1

PLATING SPECIFICATION

- G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
- T: MATTE TIN CONTACT AND TAIL, (ONLY AVAILABLE IN LEAD STYLE -01)
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- TM: MATTE TIN CONTACT AND TAIL, (ONLY AVAILABLE IN LEAD STYLE -01)
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

BODY SPECIFICATION

- S: SINGLE (USE HTMS-XX-S)
- D: DOUBLE (USE HTMS-XX-D)

OPTION

- POLARIZING SPECIFICATION
- XXX INDICATES POSITION TO BE OMITTED
- A: STAKED ALIGNMENT PIN (SEE SHT 2, FIG 2) (6 POS MIN, BODY SPEC -D ONLY, USE SM-A8H)
- LC: STAKED LOCKING CLIP (SEE SHT 2, FIG 3) (5 POS MIN, BODY SPEC -D ONLY, USE LC-05-TM)
- P: PICK & PLACE PAD (SEE SHT 2, FIG 4) (FOR SINGLE ROW, 9 POSITION MINIMUM REQUIRED) (.100 MIN POST HEIGHT)

OPTION

- SM: SURFACE MOUNT

BOARD SPACE

"XXX" = "B"
(SEE TABLE 1)
(SEE NOTE 9)

TABLE 1

LEAD STYLE	TERMINAL SPEC	"B" MAX	"C"
-01	T-1M6-14-XX-2	.330 [8.38]	.180 [4.57]
-53	T-1M6-03-XX-2	.385 [9.78]	.235 [5.97]
-54	T-1M6-19-XX-2	.435 [11.05]	.285 [7.24]
-55	T-1M6-05-XX-2	.490 [12.45]	.340 [8.64]
-56	T-1M6-15-XX-2	.505 [12.83]	.355 [9.02]
-57	T-1M6-15-XX-2	.530 [13.46]	.380 [9.65]
-58	T-1M6-16-XX-2	.585 [14.86]	.435 [11.05]
-59	T-1M6-16-XX-2	.615 [15.62]	.465 [11.81]

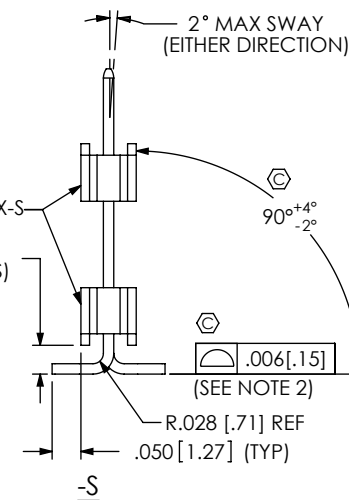
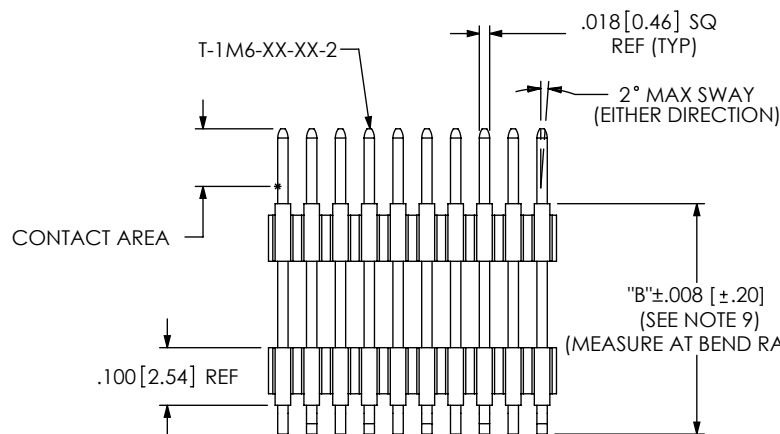
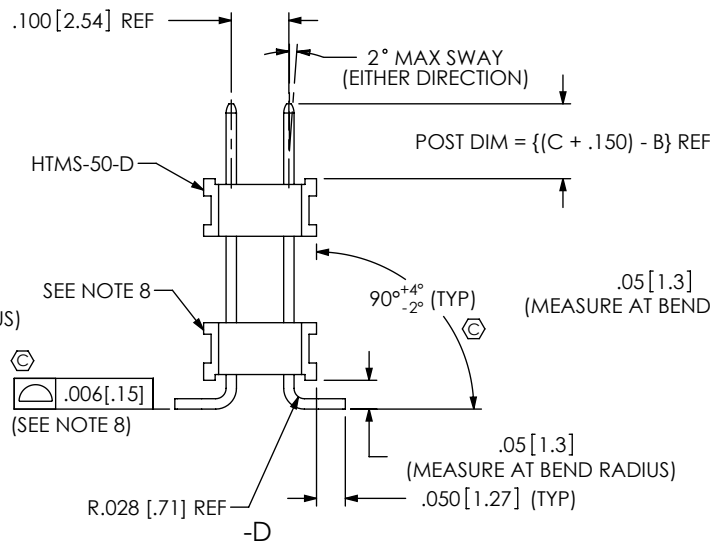
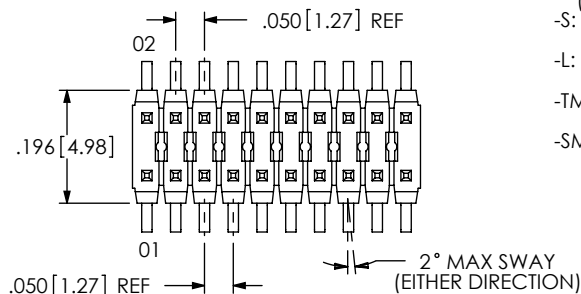


FIG 1

HDWM-10-57-XX-X-400-SM SHOWN

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM COPLANARITY: .006[.15].
3. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO POSTS: .010[.25].
4. MINIMUM PUSHOUT FORCE: 2 LB.
5. TUBE POSITIONS -07 THRU -50 ONLY; POSITIONS -01 THRU -06 TO BE LAYER PACKAGED.
6. MAXIMUM CUT FLASH: .010[.25].
7. MAXIMUM BURR ALLOWANCE: .003[.08] MAX.
8. USE DWM-50-D WHEN RAN ON BOARD STACKER AUTOMATION, USE HTMS-50-D FOR HAND FILL AND SINGLE BODY AUTOMATION.
9. MINIMUM BOARD SPACE: .250[6.35].
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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP, UL 94 VO, COLOR: BLACK
TERMINAL: PHOS BRONZE

SHEET SCALE: 3:1

samtec

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

DESCRIPTION:

BOARD SPACING SM MICRO STRIPS

DWG. NO.

HDWM-XX-XX-XX-X-XXX-SM-XXX

BY: BRYANT 07/09/1992 SHEET 1 OF 3

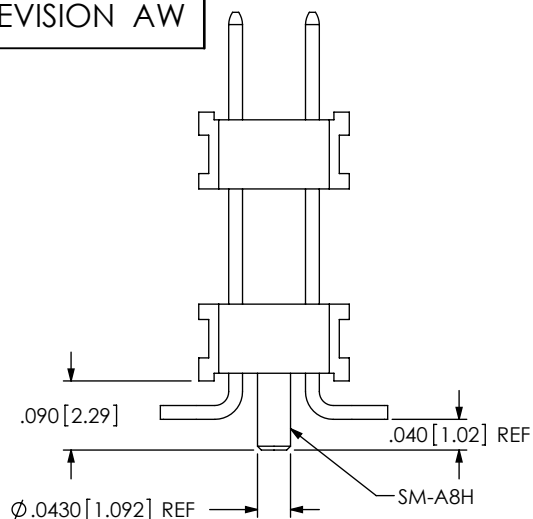


FIG 2

-A OPTION: STAKED ALIGNMENT PIN
(6 POSITIONS MINIMUM)
[BODY SPEC -D ONLY]
HDWM-10-57-XX-X-400-SM-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

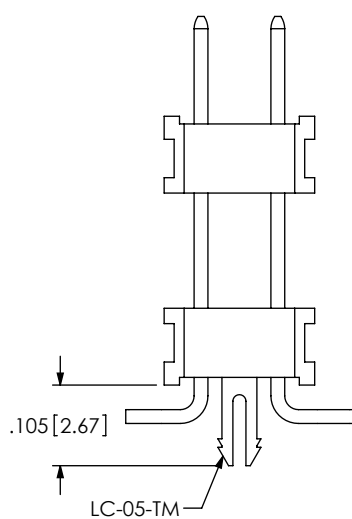
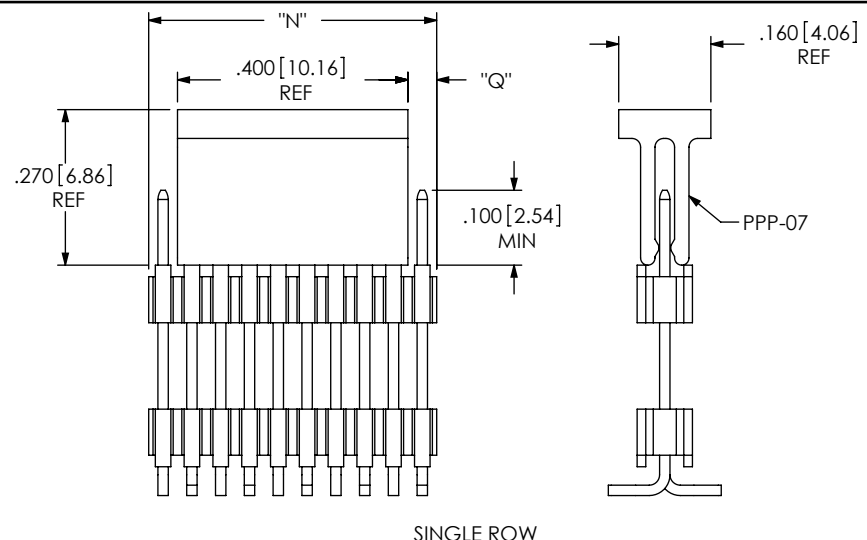
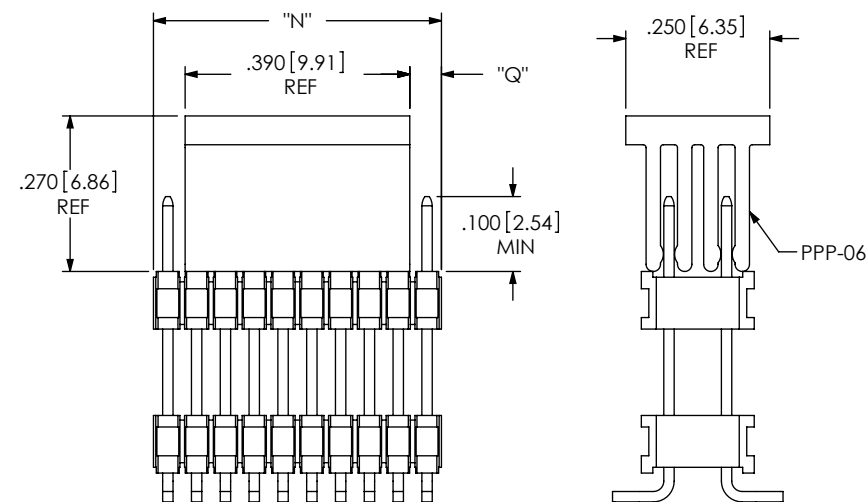


FIG 3

-LC OPTION: STAKED LOCKING CLIP
(5 POSITIONS MINIMUM)
[BODY SPEC -D ONLY]
HDWM-10-57-XX-X-400-SM-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



SINGLE ROW

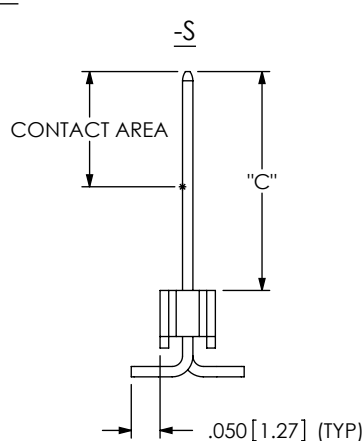
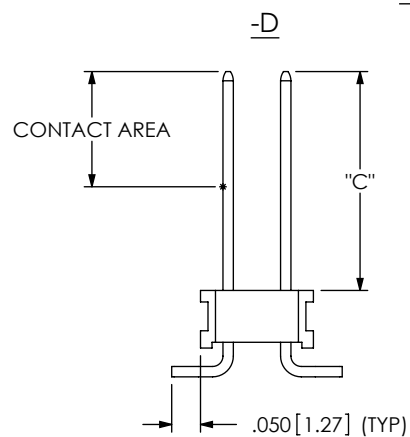


DOUBLE ROW

FIG 4

-P OPTION: PICK & PLACE PAD
(MIN POST HEIGHT .100 [2.54])
"N" = USE MEASURED DIMENSION
FOR DOUBLE ROW: "Q" = $\{(["N"] - .390 [9.91]) / 2\} \pm .020 [.51]$
FOR SINGLE ROW: "Q" = $\{(["N"] - .400 [10.16]) / 2\} \pm .020 [.51]$
HDWM-10-57-XX-X-400-SM-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

IN-PROCESS



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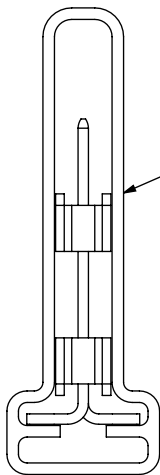
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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: BOARD SPACING SM MICRO STRIPS

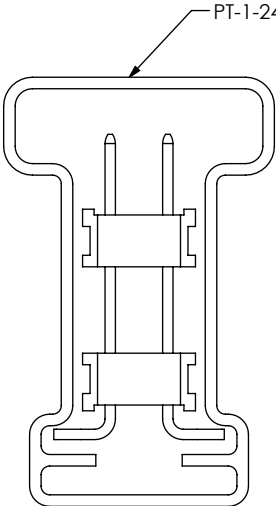
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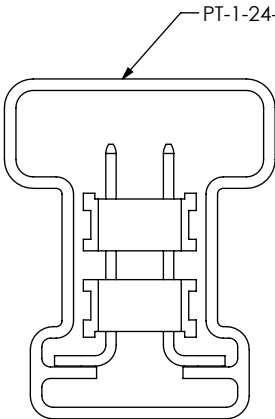
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-S: SINGLE
LEAD STYLES -01, -53, -54,
-55, -56, -57, -58, -59



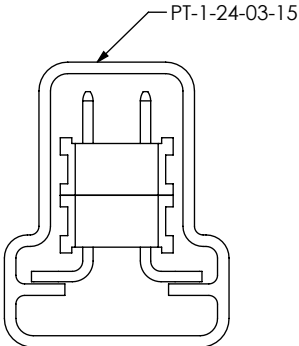
PT-1-24-04-44

-D: DOUBLE
LEAD STYLES -54, -55,-56, -57, -58



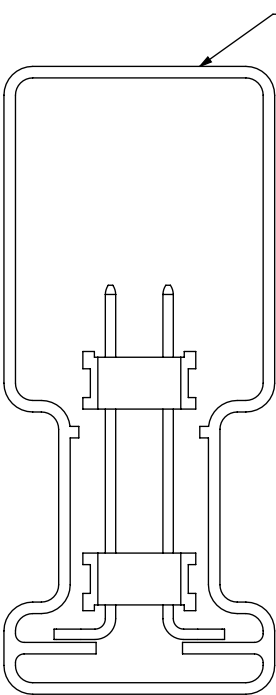
PT-1-24-02-44

-53-D-SM: DOUBLE



PT-1-24-03-15

-01-D-250-SM: DOUBLE



PT-1-24-05-44

ALL -59-D, ALL -P

TABLE 2		
BODY SPEC	PACKAGING TUBE (SEE NOTE 6)	PLUG
-S: SINGLE	PT-1-24-01-48	TP-24
-D: DOUBLE	PT-1-24-04-44	TP-03
-53-D-SM: DOUBLE	PT-1-24-02-44	TP-03
-01-D-SM: DOUBLE	PT-1-24-03-15	TP-03
ALL-59, ALL-P	PT-1-24-05-44	TP-03

ALL TUBES WORK FOR THE ALIGNMENT PIN OPTION.

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