

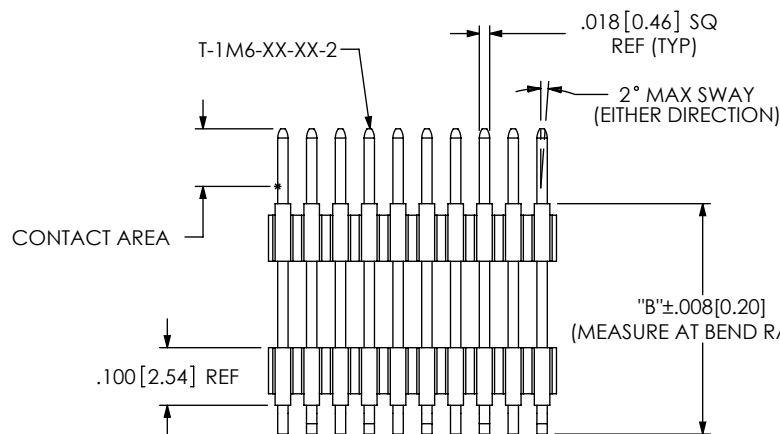
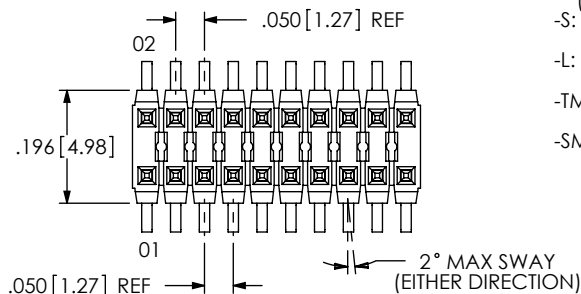
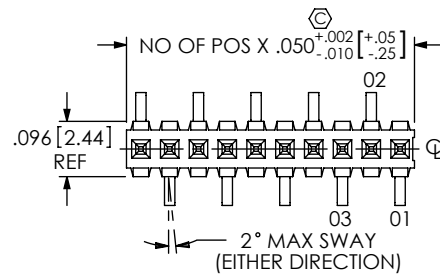
DO NOT  
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THIS PRINT

FIG 1  
HDWM-10-57-XX-X-400-SM SHOWN

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

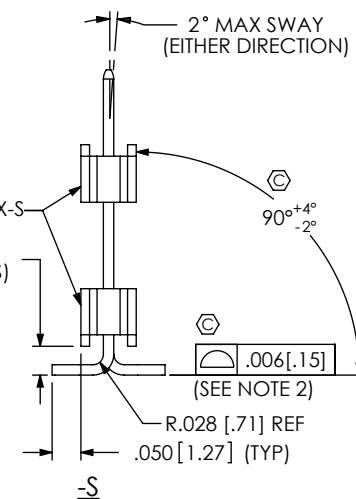
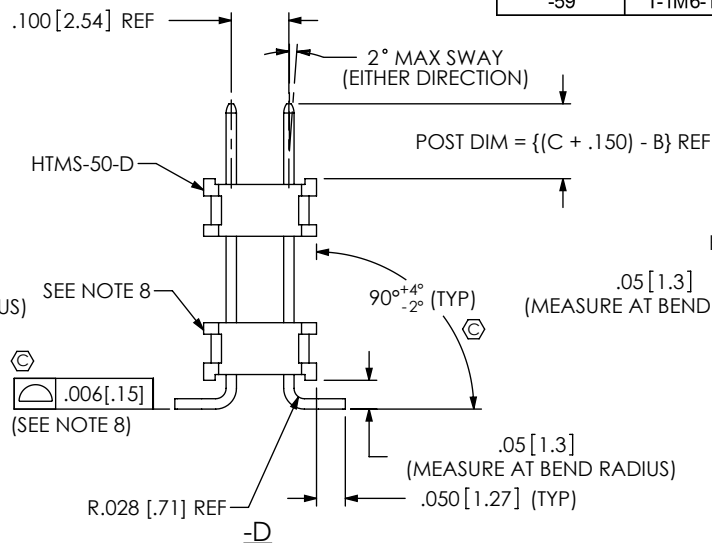
- SM: SURFACE MOUNT

## BOARD SPACE

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

TABLE 1

| LEAD STYLE | TERMINAL SPEC | "B"                        | "C"          |
|------------|---------------|----------------------------|--------------|
| -01        | T-1M6-14-XX-2 | .250 [6.35] - .330 [8.38]  | .180 [4.57]  |
| -53        | T-1M6-03-XX-2 | .250 [6.35] - .385 [9.78]  | .235 [5.97]  |
| -54        | T-1M6-19-XX-2 | .250 [6.35] - .435 [11.05] | .285 [7.24]  |
| -55        | T-1M6-05-XX-2 | .250 [6.35] - .490 [12.45] | .340 [8.64]  |
| -56        | T-1M6-15-XX-2 | .250 [6.35] - .505 [12.83] | .355 [9.02]  |
| -57        | T-1M6-15-XX-2 | .250 [6.35] - .530 [13.46] | .380 [9.65]  |
| -58        | T-1M6-16-XX-2 | .250 [6.35] - .585 [14.86] | .435 [11.05] |
| -59        | T-1M6-16-XX-2 | .250 [6.35] - .615 [15.62] | .465 [11.81] |



## NOTES:

1. © REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM COPLANARITY: .006 [0.15].
3. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO POSTS: .010 [0.25].
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 [0.25].
7. MAXIMUM BURR ALLOWANCE: .003 [0.08] MAX.
8. USE DWM-50-D WHEN RAN ON BOARD STACKER AUTOMATION, USE HTMS-50-D FOR HAND FILL AND SINGLE BODY AUTOMATION.
9. NOTE DELETED.
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

.XX: ±.01 [.3]

.XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

ANGLES

2°

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## MATERIAL:

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SHEET SCALE: 3:1

INSULATOR: LCP, UL 94 VO, COLOR: BLACK

TERMINAL: PHOS BRONZE

## 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

F:\DWG\MISC\MKTG\HDWM-XX-XX-XX-X-XXX-SM-XXX-MKT.SLDDRW

**samtec**

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

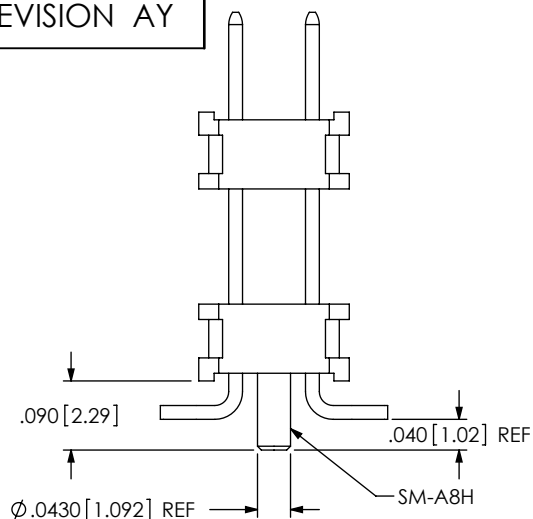


FIG 2

-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)

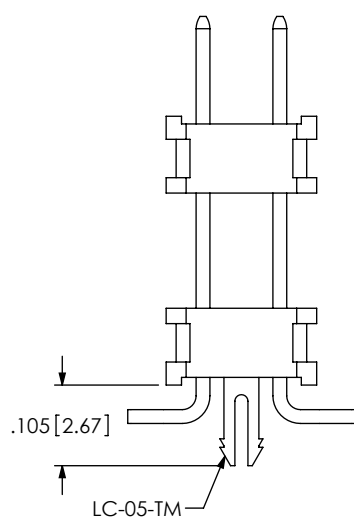
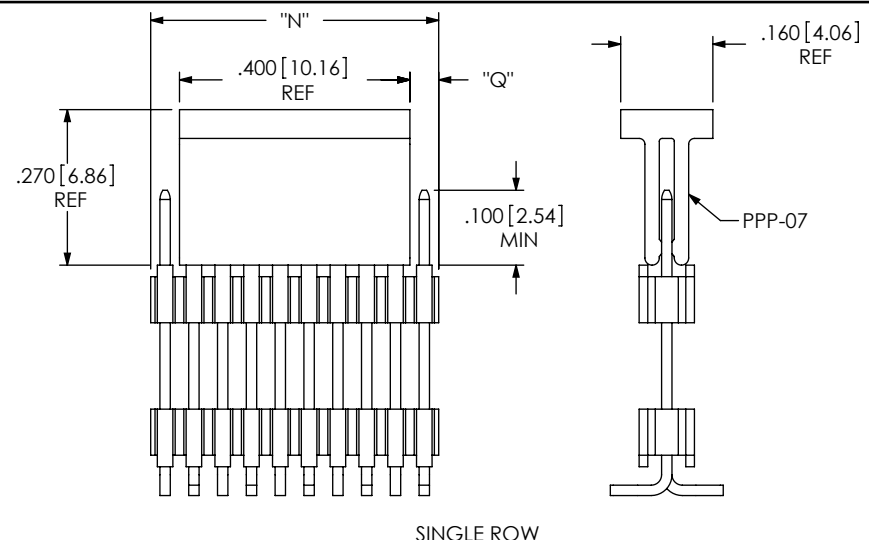
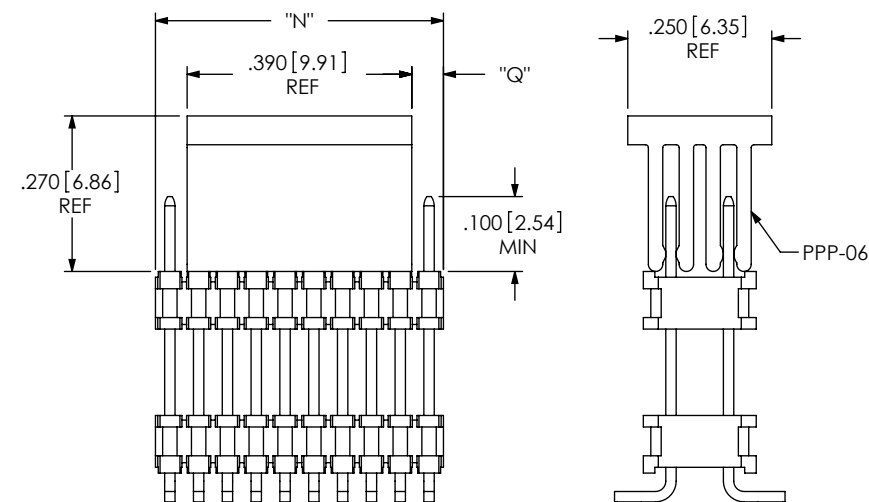


FIG 3

-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

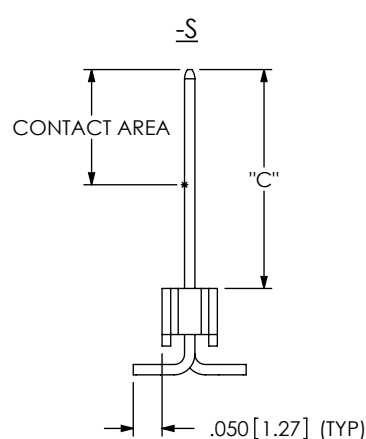
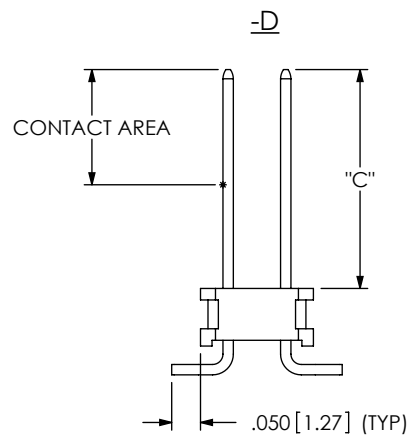


DOUBLE ROW

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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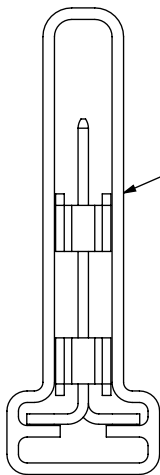
**samtec**

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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION: BOARD SPACING SM MICRO STRIPS

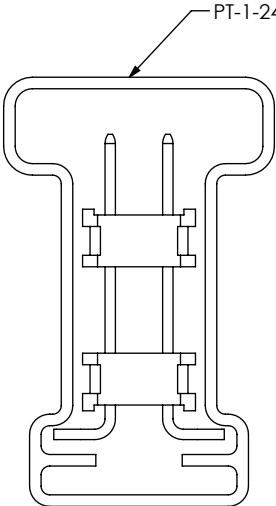
DWG. NO. HDWM-XX-XX-XX-X-XXX-SM-XXX

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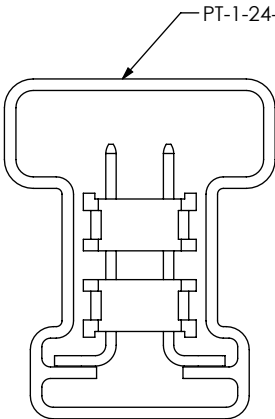
PT-1-24-01-48

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



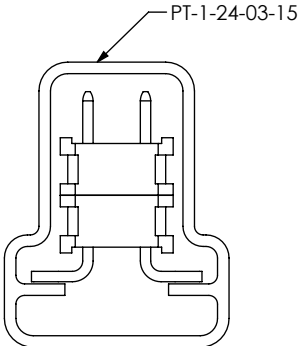
PT-1-24-04-44

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



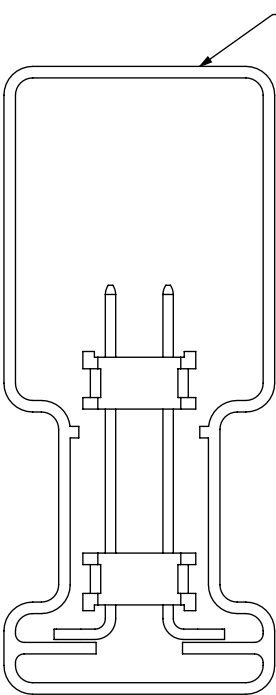
PT-1-24-02-44

-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 5) | 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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DESCRIPTION: BOARD SPACING SM MICRO STRIPS

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BY: BRYAN T 07/09/1992 SHEET 3 OF 3

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