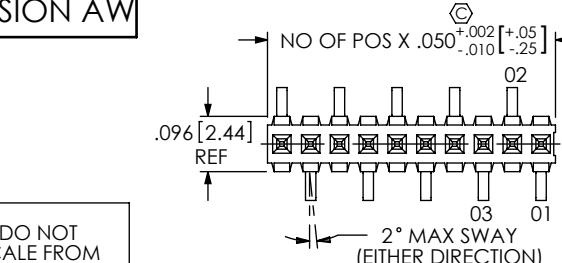


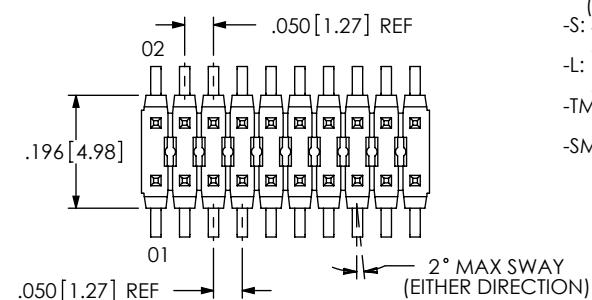
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HDWM-XX-XX-XX-X-XXX-SM-XXX

BODY LENGTH SPEC
EXPRESSED IN # POS PER ROW
(-01 THRU -50)LEAD STYLE
SEE TABLE 1

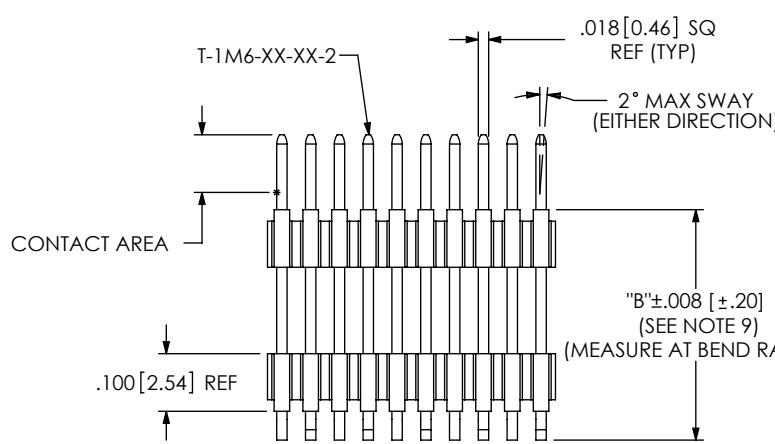
OPTION

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)



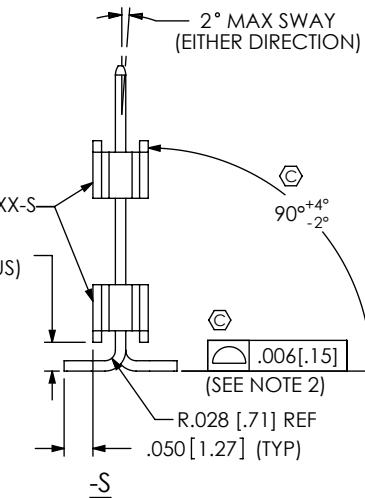
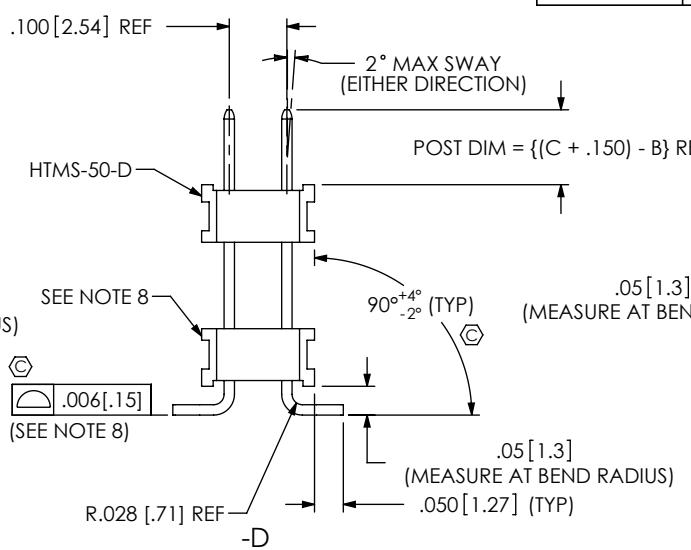
PLATING SPECIFICATION
-G: 10 μ " GOLD IN CONTACT AREA,
3 μ " GOLD ON TAIL
-T: MATTE TIN CONTACT AND TAIL,
(ONLY AVAILABLE IN LEAD STYLE -01)
-S: 30 μ " SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-L: 10 μ " LIGHT SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
-TM: MATTE TIN CONTACT AND TAIL,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

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

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]
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING 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: BRYAN T 07/09/1992 SHEET 1 OF 3

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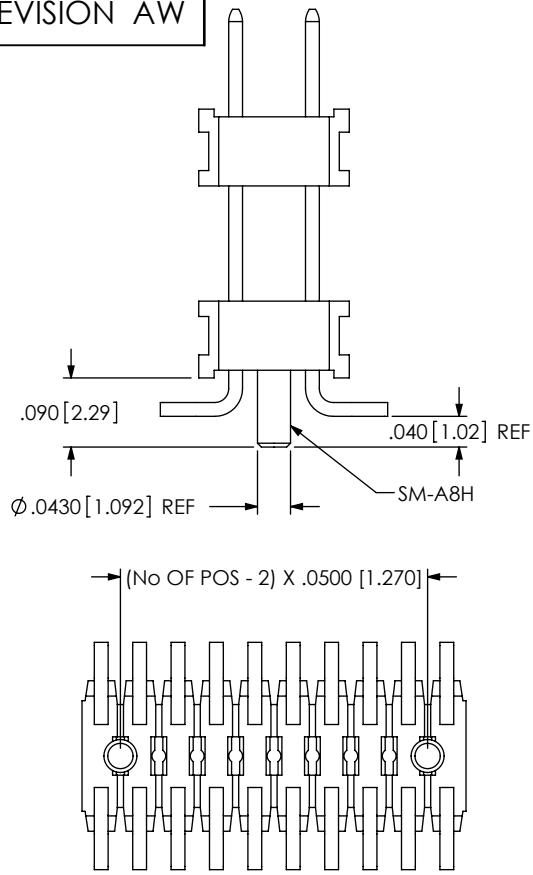


FIG 2

-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)

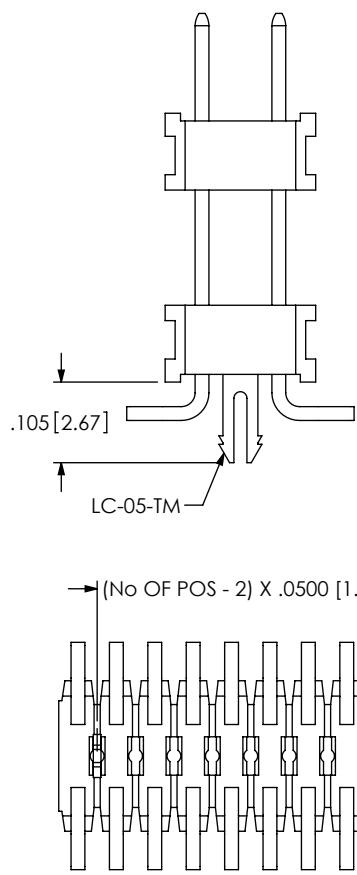
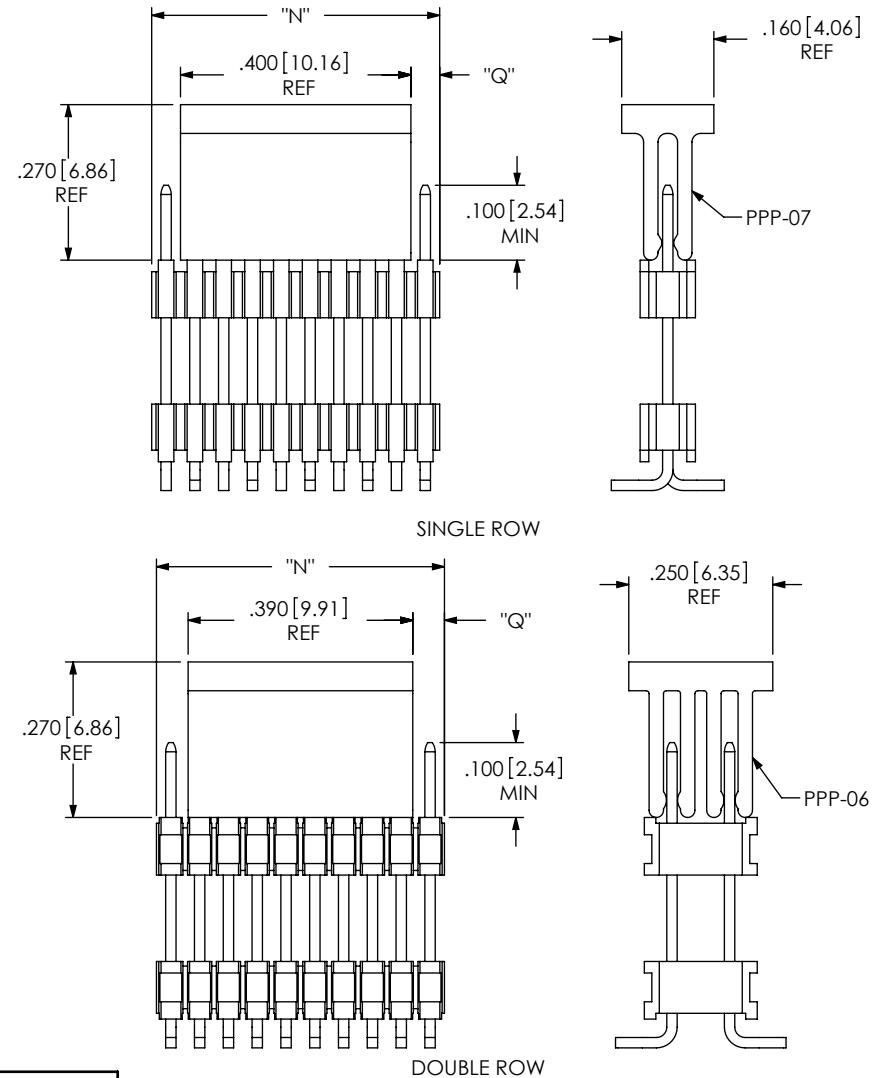


FIG 3

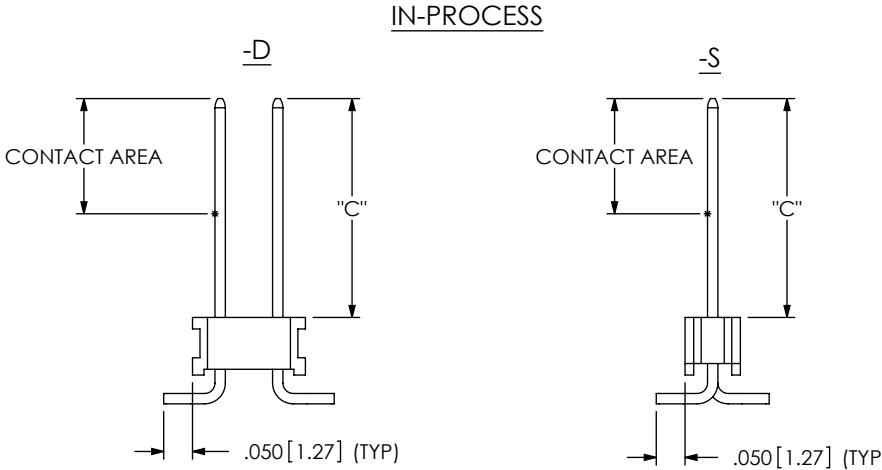
-LC OPTION: STAKED LOCKING CLIP
(5 POSITIONS MINIMUM)
[BODY SPEC -D ONLY]
HDWM-10-57-XX-X-400-SM-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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} ± .020 [.51]
FOR SINGLE ROW: "Q" = {("N" - .400 [10.16]) / 2} ± .020 [.51]
HDWM-10-57-XX-X-400-SM-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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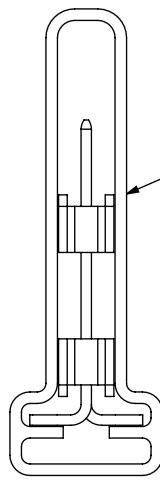
SHEET SCALE: 3:1

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

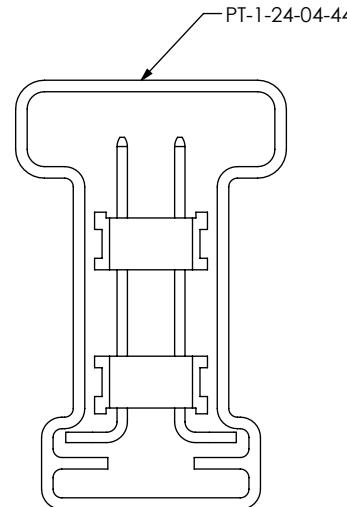
DESCRIPTION: BOARD SPACING SM MICRO STRIPS

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

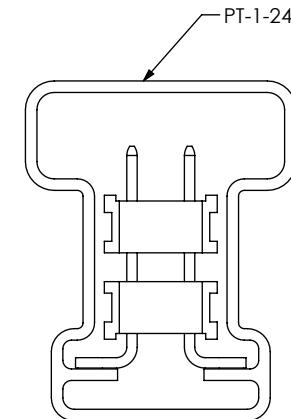
BY: BRYAN T 07/09/1992 SHEET 2 OF 3



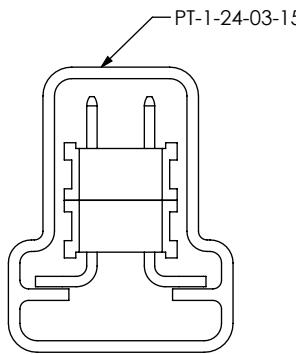
-S: SINGLE
LEAD STYLES -01, -53, -54,
-55, -56, -57, -58, -59



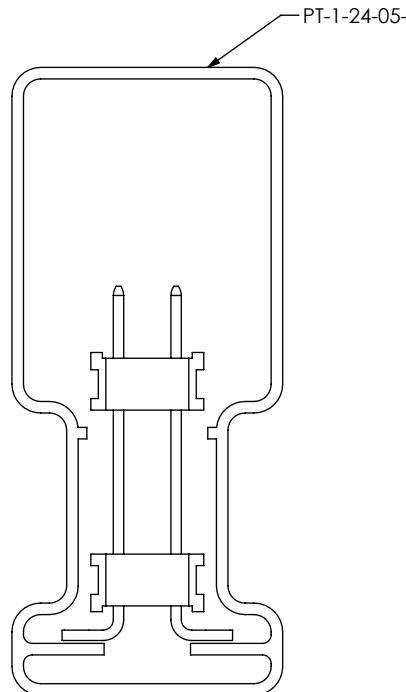
-D: DOUBLE
LEAD STYLES -54, -55, -56, -57, -58



-53-D-SM: DOUBLE



-01-D-250-SM: DOUBLE



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

DESCRIPTION: BOARD SPACING SM MICRO STRIPS

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

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