

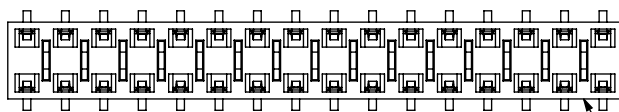
DO NOT
SCALE FROM
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FIG 5

-BE OPTION
(SAME AS FIG 1 UNLESS OTHERWISE STATED)

RHLE-50-DBE

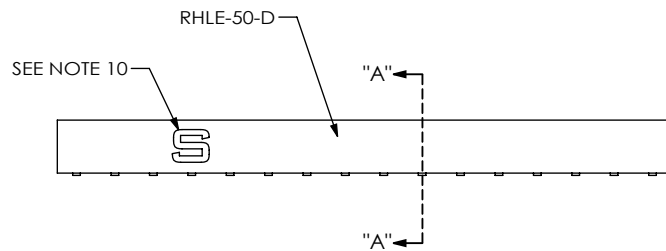
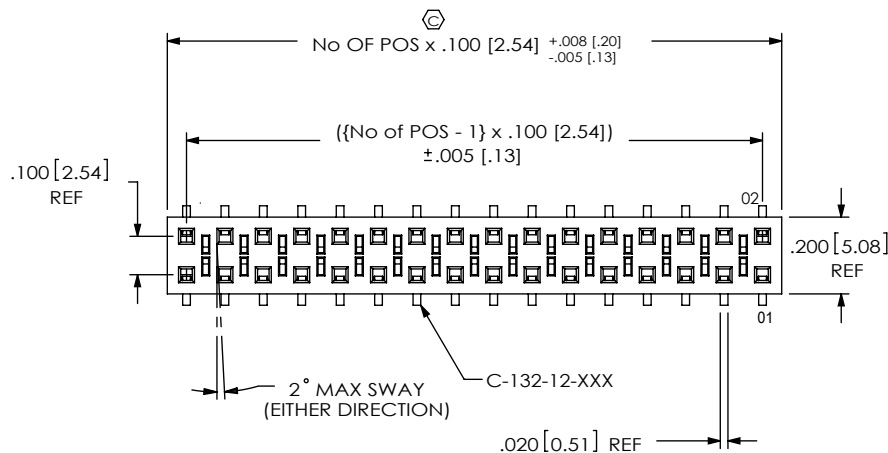
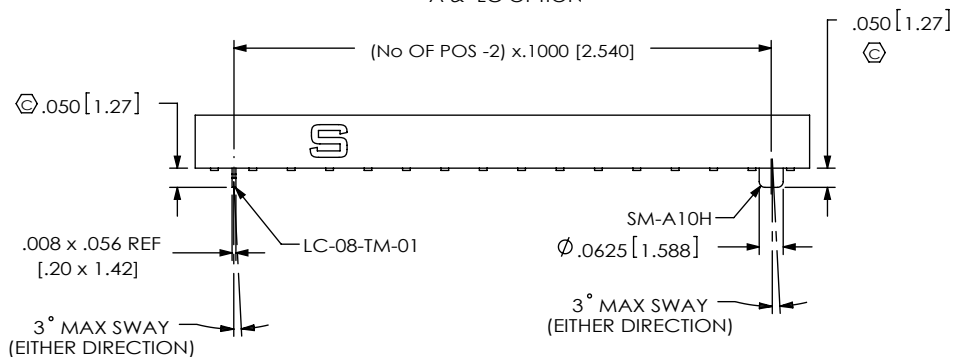


FIG 1

HLE-116-02-XXX-DV SHOWN

TABLE 2

| POSITION | COPLANARITY |
|--------------|-------------|
| -01 THRU -20 | .004 [.10] |
| -21 THRU -50 | .006 [.15] |

FIG 2
-A & -LC OPTION

HLE-1XX-02-XXX-DV-XX-XX-XX

No OF POSITIONS

-02 THRU -50
(PER ROW)

LEAD STYLE

-02: SURFACE MOUNT
(USE C-132-12-X)

PLATING SPECIFICATION

- G: 20 μ " GOLD IN CONTACT AREA
3 μ " ON TAIL (USE C-132-12-G)
- S: 30 μ " SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-S)
- F: 3 μ " SELECTIVE FLASH GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-F)
- L: 10 μ " SELECTIVE LIGHT GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-L)
- H: 30 μ " HEAVY GOLD IN CONTACT AREA 3 μ " ON TAIL (USE C-132-12-H)
- STL: 30 μ " SELECTIVE GOLD IN CONTACT AREA TIN/LEAD (90%/10 +/-5%) (USE C-132-12-STL)
- SM: 30 μ " SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-S)
- FM: 3 μ " SELECTIVE FLASH GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-F)
- LM: 10 μ " LIGHT GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-L)

OPTION

-TR: TAPE & REEL
(2 - 29 POSITIONS ONLY)

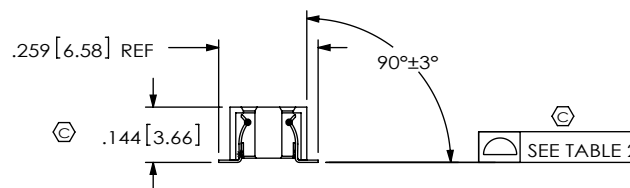
OPTION

- P: PICK & PLACE PAD (POS -03 THRU -50 ONLY)
- A: ALIGNMENT PIN (4 POS MIN)
- LC: LOCKING CLIP (2 POS MIN) (SEE NOTE 9)
- K: USE K-DOT-.256-.375-.005 POLYAMIDE FILM PAD (AVAILABLE ON POS -03 THRU -50; .005 [.13] THICKNESS) (SEE FIG 4)

OPTION

-BE: BOTTOM ENTRY
(USE RHLE-50-DBE) (SEE FIG. 5)
(LEAVE BLANK FOR STANDARD)

ROW SPECIFICATION

-DV: DOUBLE VERTICAL
(USE RHLE-50-D)PATENT NUMBERS
5713755 / 5961339

SECTION "A"-"A"

NOTES:

1. ϕ REPRESENTS A CRITICAL DIMENSION.
2. ALL IDENTIFICATION MARKS MUST NOT STAND GREATER THAN .002 [.05] OFF THE SURFACE OF THE PART.
3. PULL OUT FORCE FOR -LC, -A, & CONTACT IS 12 oz MIN.
4. COPLANARITY: SEE TABLE 2.
5. BURR ALLOWANCE: .003 [.08] MAX
6. CUT ASSEMBLIES AFTER FILL. CUT FLASH TO BE .010 MAX WITH NO FLASH ALLOWED IN HOLES OR EXTENDING BELOW LEADS. WILL LOSE A POSITION FOR EVERY CUT MADE ON A SOCKET STRIP.
7. TUBE POSITIONS 03 THRU 50. LAYER PACKAGE POSITION 02.
8. ENDWALL THICKNESS: .030+/- .005 [.76+/- .13] TO BE MEASURED FROM BOTTOM VIEW.
9. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
10. SAMTEC LOGO MAY NOT BE PRESENT ON CUT TO POSITION CONNECTORS.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

.XX: $\pm .01$ [.3].XXX: $\pm .005$ [.13].XXXX: $\pm .0020$ [.051]

ANGLES

3°

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1

BODY: VECTRA E130i

CONTACT: BeCu

F:\DWG\MISC\MKTG\HLE-1XX-02-XXX-DV-XX-XX-XX-MKT.SLDRW

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

DESCRIPTION:

[2.54] .100 TIGER BEAM SOCKET ASSEMBLY

DWG. NO.

HLE-1XX-02-XXX-DV-XX-XX-XX

BY: ED MESSER 12/19/98

SHEET 1 OF 2

FIG 3
(-P: PICK AND PLACE PAD)
AVAILABLE ON POSITIONS 03 THRU 50

NOTE: "R" = USE MEASURED DIM (REF)
"S" = $\{ ("R" - .225 [5.72]) / 2 \} \pm .020 [.51]$

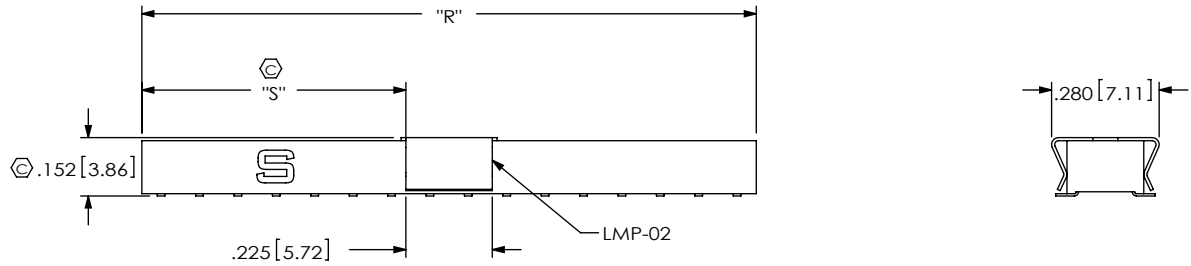
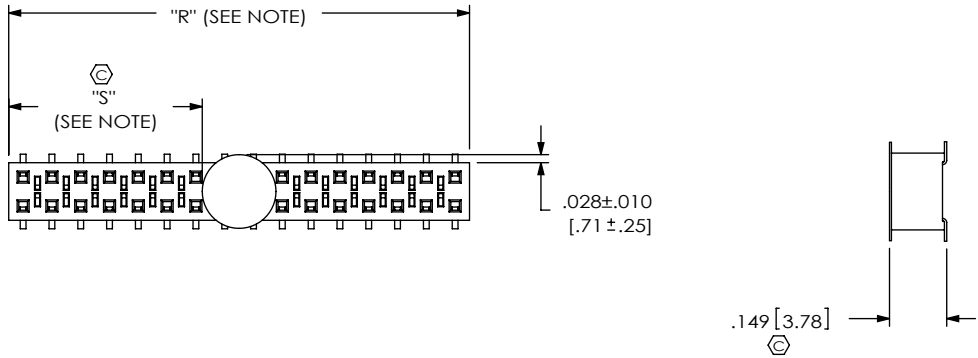
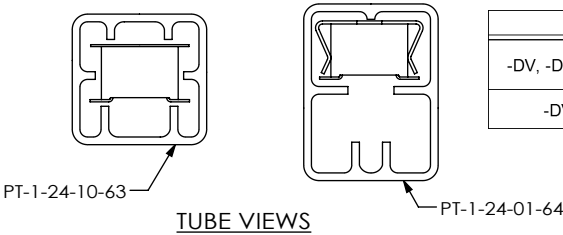


FIG 4
-K: POLYIMIDE FILM PAD
AVAILABLE ON POS 03 THRU 50



NOTE: "R" = USE MEASURED DIM (REF)
"S" = $\{ ("R" - .2559 [6.500]) / 2 \} \pm .020 [.51]$

F:\DWG\MISC\MKTG\HLE-1XX-02-XXX-DV-XX-XX-XX-MKT.SLDDRW



| STYLE | PKG TUBE | PLUG |
|------------------------------------|---------------|-------|
| -DV, -DV-LC, -DV-A, -DV-A-P, -DV-P | PT-1-24-01-64 | TP-03 |
| -DV-K, -DV-A-K, -DV-LC-K | PT-1-24-10-63 | TP-24 |

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

DESCRIPTION:
.100 TIGER BEAM SOCKET ASSEMBLY
DWG. NO.
HLE-1XX-02-XXX-DV-XX-XX-XX

BY: ED MESSER 12/19/98 SHEET 2 OF 2

Mouser Electronics

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