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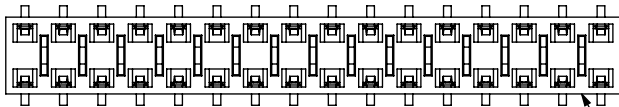


FIG 5  
-BE OPTION  
(SAME AS FIG 1 UNLESS OTHERWISE STATED)

RHLE-50-DBE

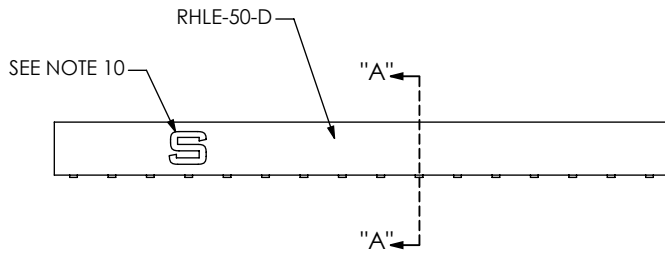
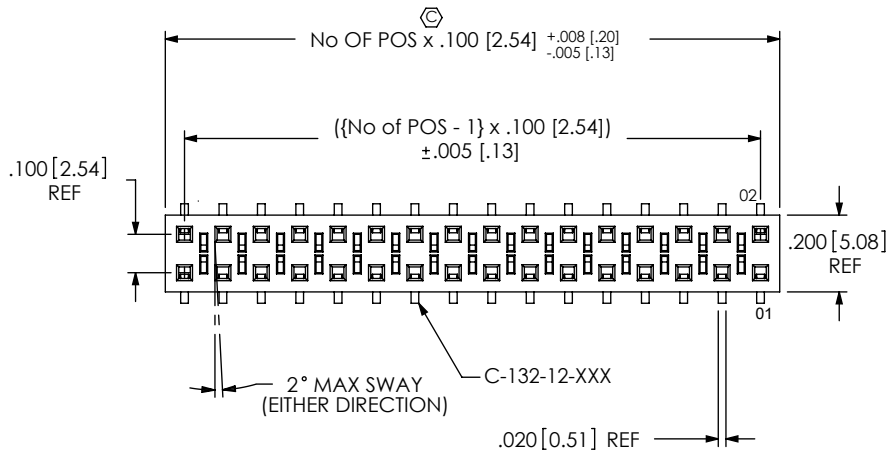


FIG 1

HLE-116-02-XXX-DV SHOWN

| TABLE 2      |             |
|--------------|-------------|
| POSITION     | COPLANARITY |
| -01 THRU -20 | .004 [.10]  |
| -21 THRU -50 | .006 [.15]  |

No OF POSITIONS

-02 THRU -50  
(PER ROW)

LEAD STYLE

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

PLATING SPECIFICATION

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

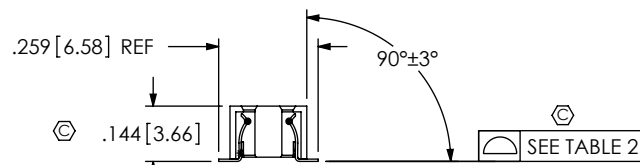
OPTION

-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

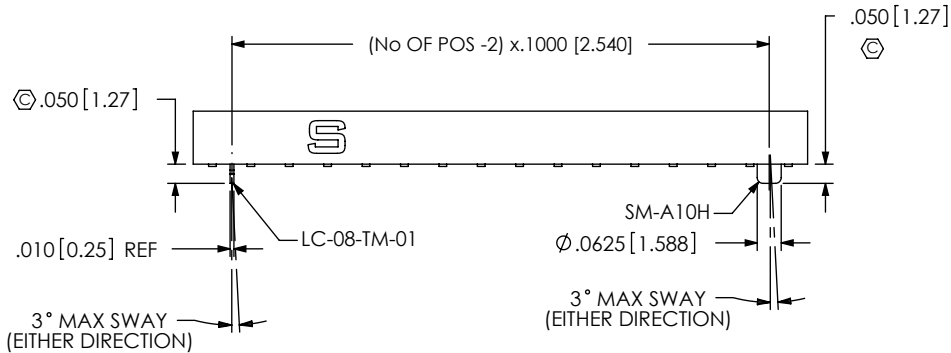


SECTION "A"-"A"

NOTES:

1. Ⓢ 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.

FIG 2  
-A & -LC OPTION



UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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**samtec**

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

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

BODY: VECTRA E130i  
CONTACT: BeCu

DESCRIPTION:

[2.54] .100 TIGER BEAM SOCKET ASSEMBLY

DWG. NO.

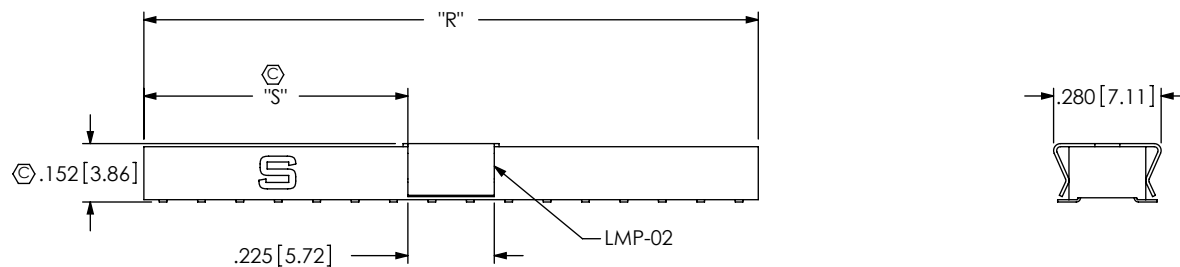
HLE-1XX-02-XXX-DV-XX-XX-XX

BY: ED MESSER 12/19/98 SHEET 1 OF 2

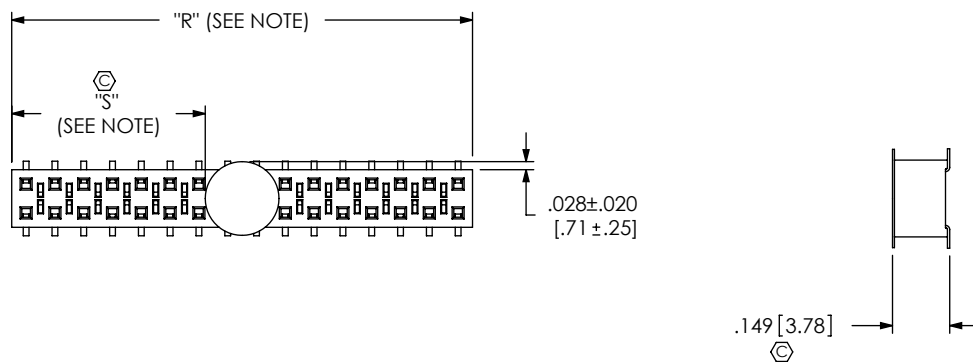
F:\DWG\MISC\MTGT\HLE-1XX-02-XXX-DV-XX-XX-XX-MKT.SLDRW

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

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

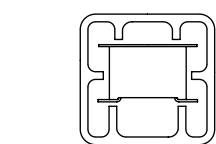


**FIG 4**  
 -K: POLYIMIDE FILM PAD  
 AVAILABLE ON POS 03 THRU 50



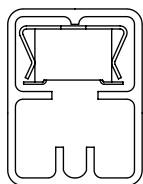
NOTE: "R" = USE MEASURED DIM (REF)  
 "S" =  $\{("R" - .2559 [6.500])/2\} \pm .020 [.51]$

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



PT-1-24-10-63

TUBE VIEWS



PT-1-24-01-64

| 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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SHEET SCALE: 2:1

**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:  
 .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