



**THE DATASHEET OF
HLE-105-02-S-DV-K-TR**



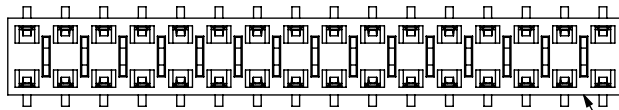


FIG 5

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

RHLE-50-DBE

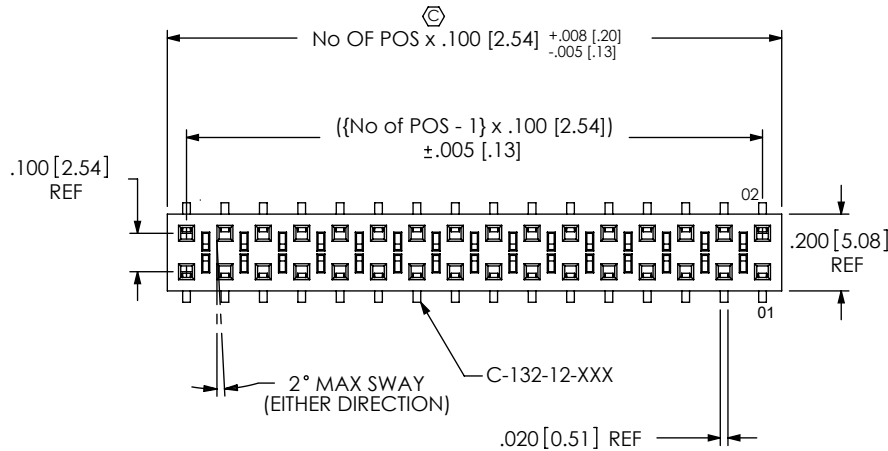
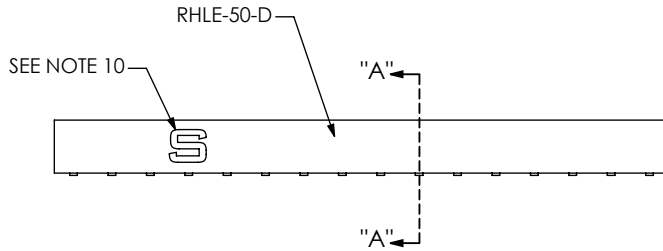


FIG 1

HLE-116-02-XXX-DV SHOWN



SEE NOTE 10

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)

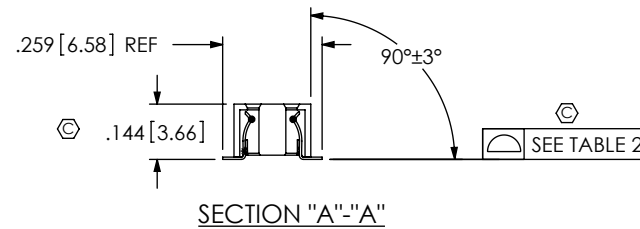
OPTION
-TR: TAPE & REEL
(2 - 29 POSITIONS ONLY)

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)

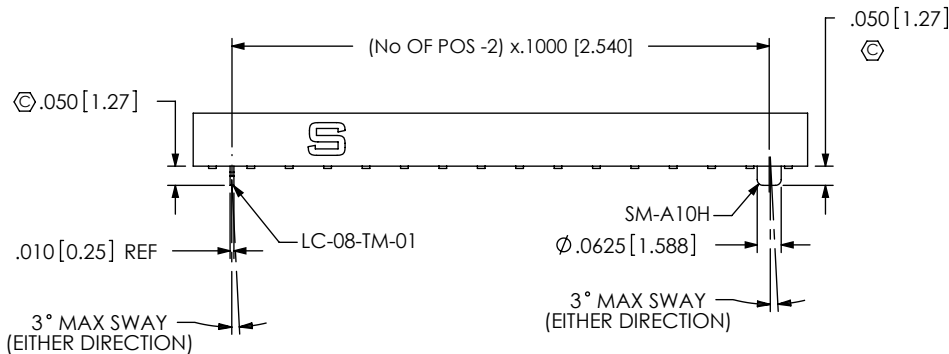
PATENT NUMBERS
5713755 / 5961339



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

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

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

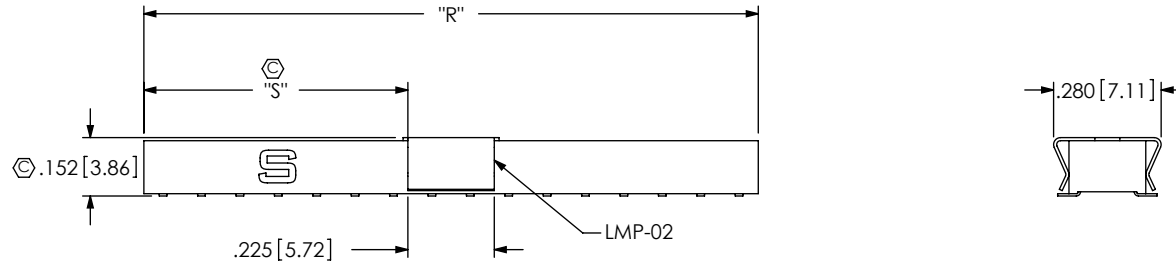
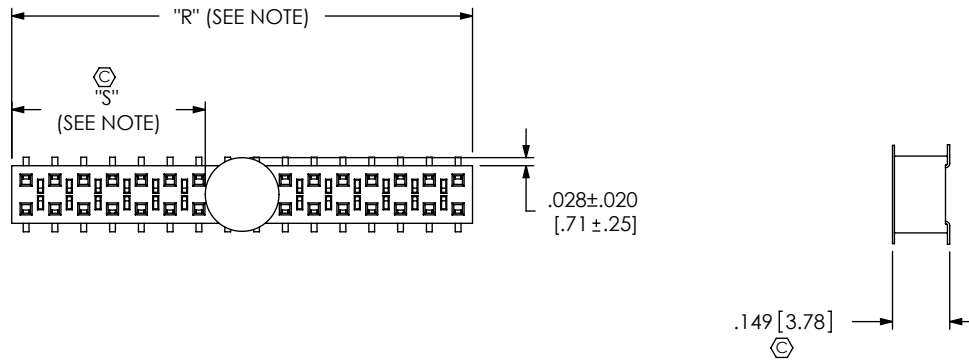
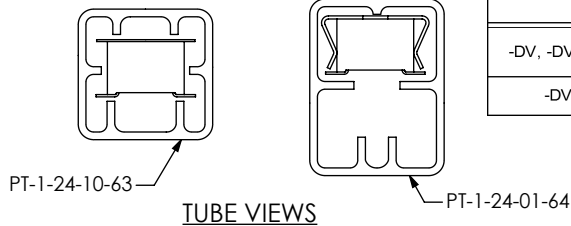


FIG 4
 -K: POLYIMIDE FILM PAD
 AVAILABLE ON POS 03 THRU 50



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-09
-DV-K, -DV-A-K, -DV-LC-K	PT-1-24-10-63	TP-24

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1



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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

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