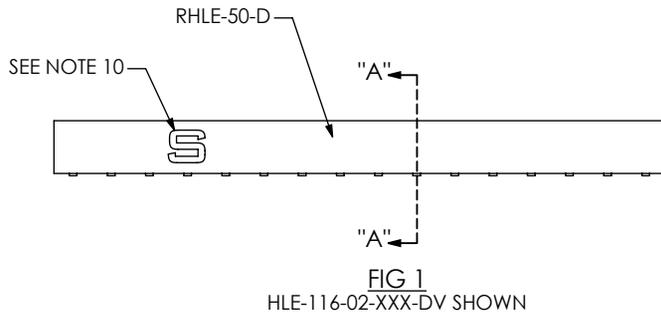
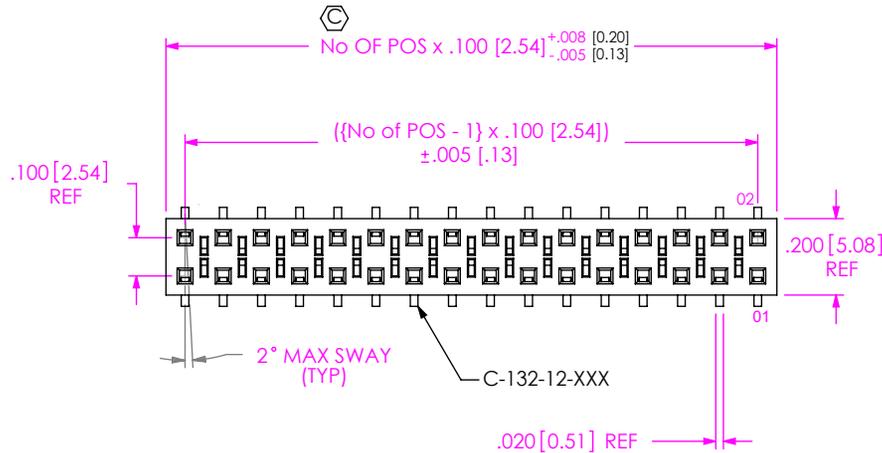
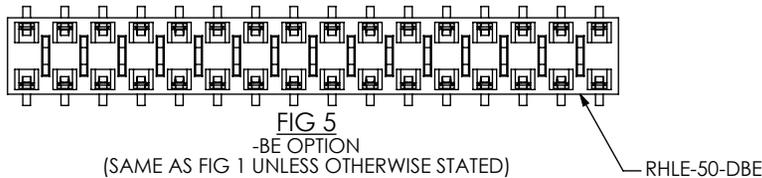


DO NOT SCALE FROM THIS PRINT

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



**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**

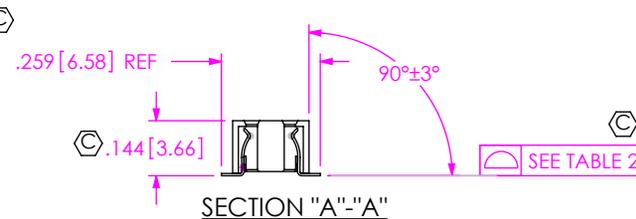
- G: 20μ" GOLD IN CONTACT AREA  
3μ" ON TAIL (USE C-132-12-G)
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-S)
- F: 3μ" SELECTIVE FLASH GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-F)
- L: 10μ" SELECTIVE LIGHT GOLD IN CONTACT AREA MATTE TIN ON TAIL (USE C-132-12-L)
- 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) (SEE NOTE 11)
  - FR: FULL REEL QTY TAPE & REEL (2-29 POSITIONS ONLY) (SEE NOTE 12)

- OPTION**
- P: PICK & PLACE PAD (POS -03 THRU -50 ONLY)
  - A: STAKED OR MOLDED ALIGNMENT PIN (4 POS MIN) (SEE NOTE 13)
  - LC: LOCKING CLIP (2 POS MIN) (SEE NOTE 9)
  - K: USE K-DOT-.256-.375-.005 POLYIMIDE FILM PAD (AVAILABLE ON POS -03 THRU -50; .005 [0.13] 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 [0.05] OFF THE SURFACE OF THE PART.
  3. MINIMUM PULL OUT FORCE FOR -LC, -A, & CONTACT: 12 oz
  4. COPLANARITY: SEE TABLE 2.
  5. MAXIMUM BURR ALLOWANCE: .003[0.08]
  6. CUT ASSEMBLIES AFTER FILL.  
MAXIMUM CUT FLASH: .010 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[0.76±0.13] 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.
  11. -TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
  12. -FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.
  13. STAKED ALIGNMENT PIN USED AT SAMTEC'S DISCRETION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

**PROPRIETARY NOTE**

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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: 53322

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

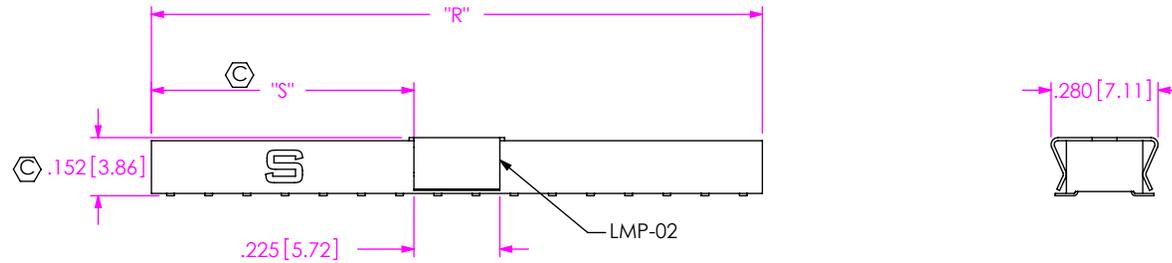
**BODY:** VECTRA E130I, UL94V-0

**CONTACT:** BeCu

**DESCRIPTION:** [2.54] .100 TIGER BEAM SOCKET ASSEMBLY

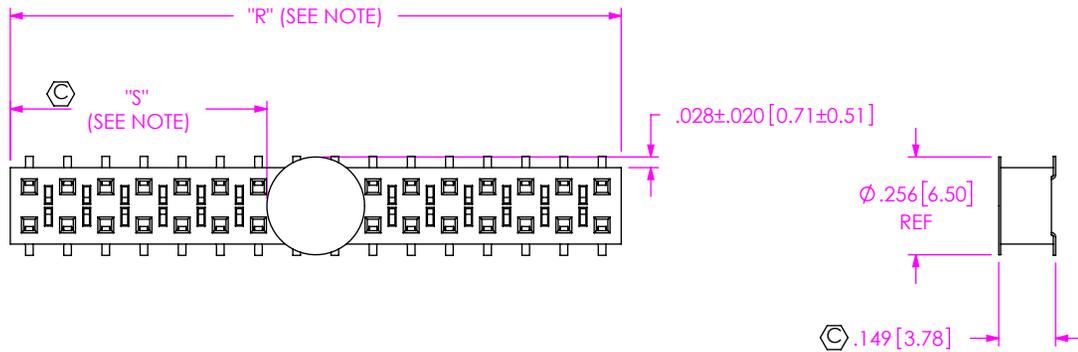
**DWG. NO.:** HLE-1XX-02-XXX-DV-XX-XX-XX

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



NOTE: "R" = USE MEASURED DIM (REF)  
 "S" =  $\{("R" - .225 [5.72])/2\} \pm .020 [0.51]$

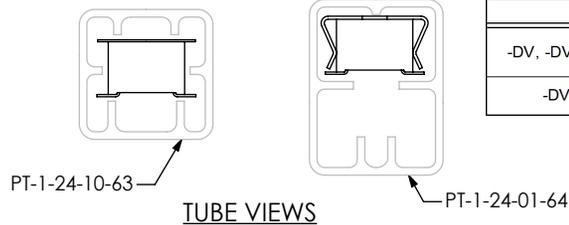
FIG 3  
 (-P: PICK AND PLACE PAD)  
 AVAILABLE ON POSITIONS 03 THRU 50



NOTE: "R" = USE MEASURED DIM (REF)  
 "S" =  $\{("R" - .2559 [6.500])/2\} \pm .020 [0.51]$

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

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