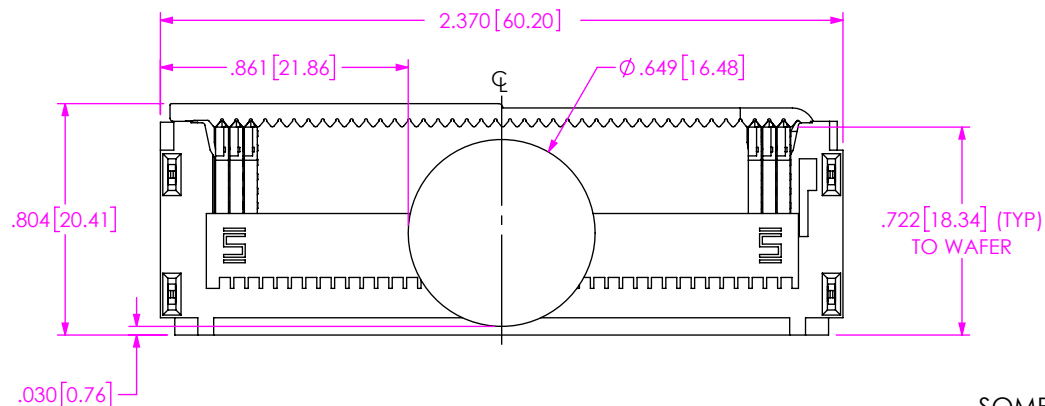
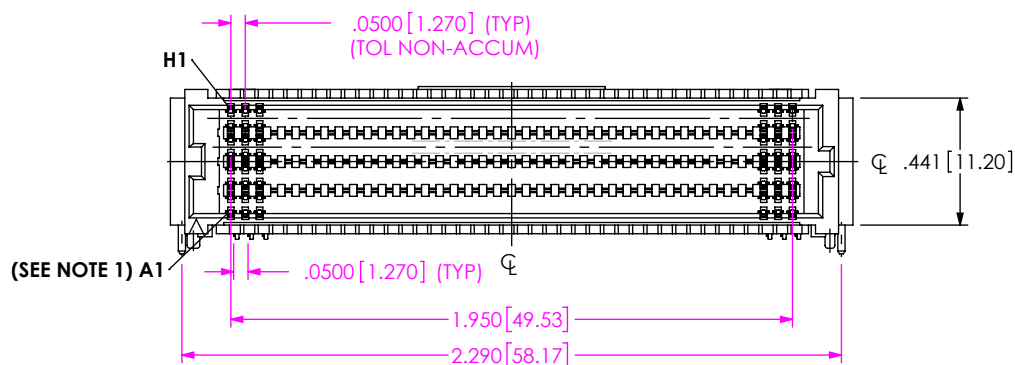
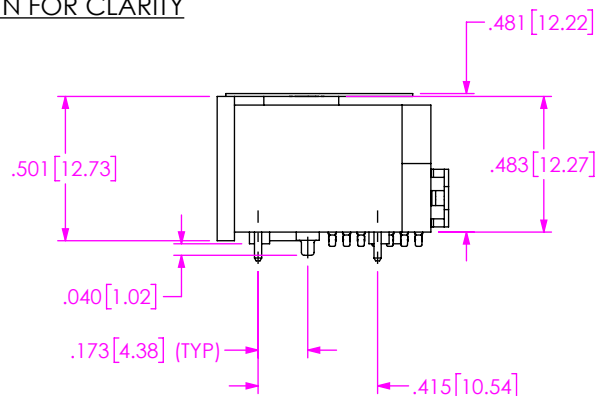
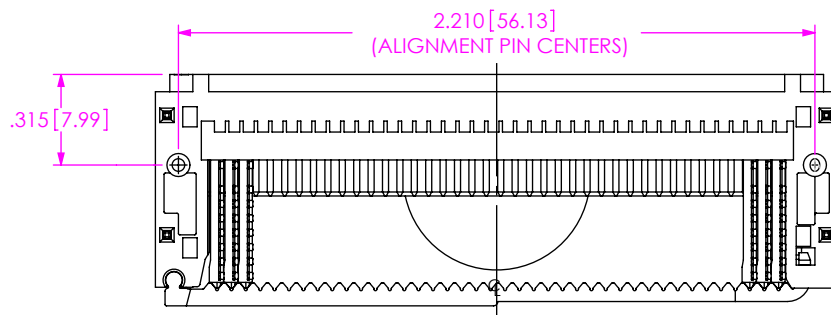


DESIGNED AND DIMENSIONED IN INCHES[MILLIMETERS]  
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

DO NOT  
SCALE FROM  
THIS PRINT



SOME CENTER FEATURES NOT  
SHOWN FOR CLARITY



NOTES:

- ANSI/VITA 90 VNX+ INDUSTRY STANDARD COMPLIANT CONNECTOR FOR VNX+ APPLICATIONS.  
ATTENTION: CUSTOMIZED A1 PIN LOCATION FOR V90 APPLICATIONS.  
IMPORTANT: PCB LAYOUT ON SHEET 3 MUST BE USED FOR V90 COMPLIANCE.  
CONTACT & WELD TAB PLATING NOT AVAILABLE AS STANDARD.
- MINIMUM PUSHOUT FORCE: 0.50 LBS.
- PARTS TO BE PACKAGED IN TAPE AND REEL.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

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DO NOT SCALE DRAWING  
SHEET SCALE: 3:2  
MATERIAL:  
INSULATOR: LCP, COLOR: BLACK  
CONTACT: COPPER ALLOY  
PLATING:  
CONTACT AREA: .000030 GOLD  
REMAINDER: .000003 GOLD  
LEADED SOLDER

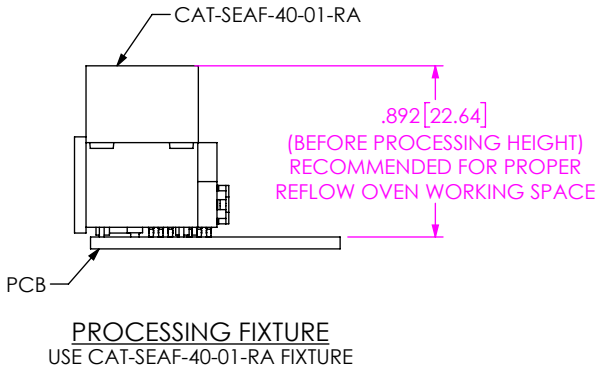
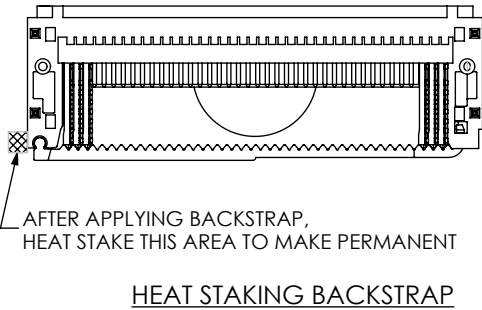
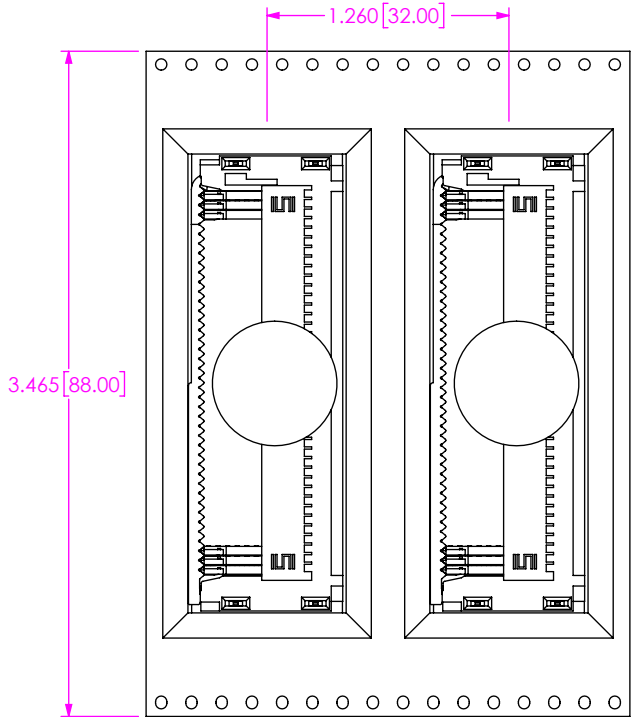
**samtec**

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

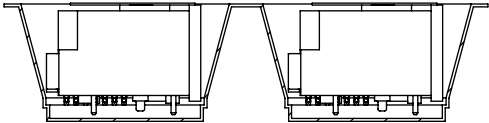
DESCRIPTION:  
VITA 90 SEAF-RA 320 PIN (LEADED SOLDER)

DWG. NO.  
ASP-232973-01

BY: J. BROWNING 08/14/2023 SHEET 1 OF 4



USER DIRECTION OF UN-REELING →  
POCKET NOT DETAILED



PACKAGING VIEW

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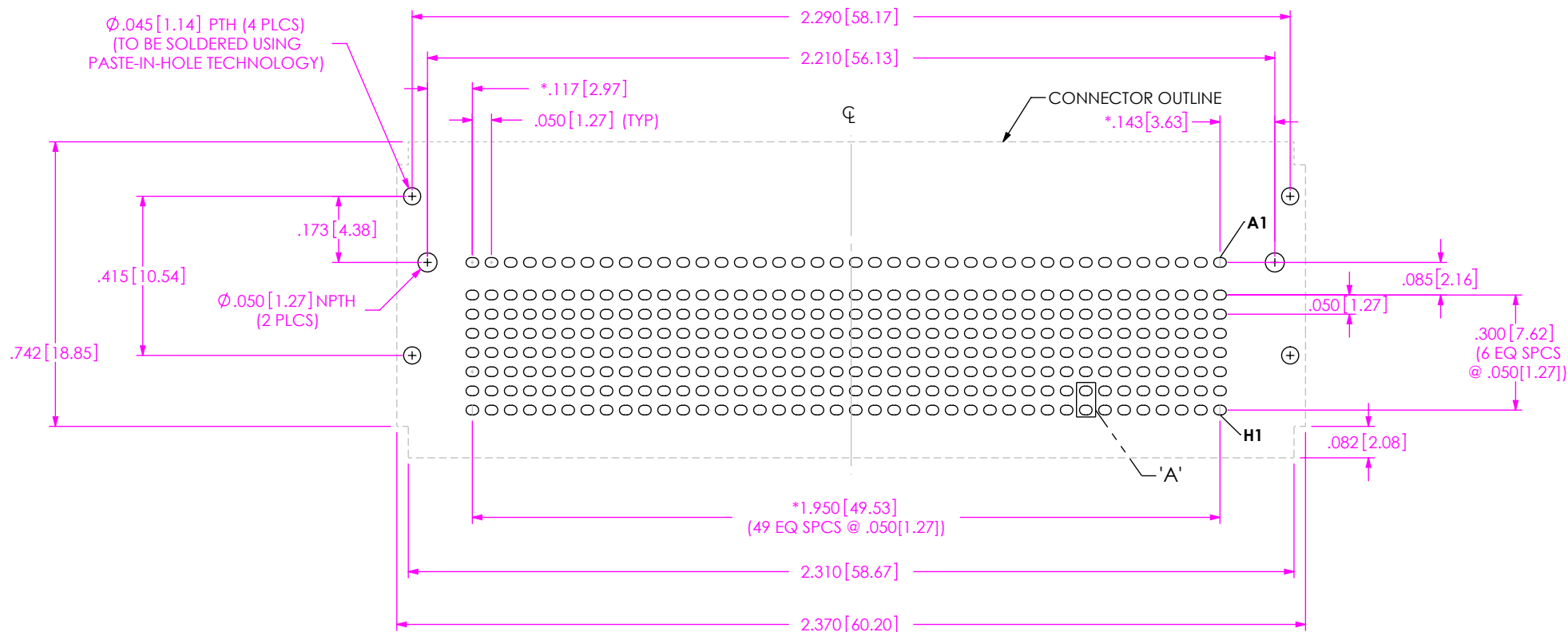
520 PARK EAST BLVD., NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

SHEET SCALE: 1:2

DESCRIPTION:  
VITA 90 SEAF-RA 320 PIN (LEADED SOLDER)

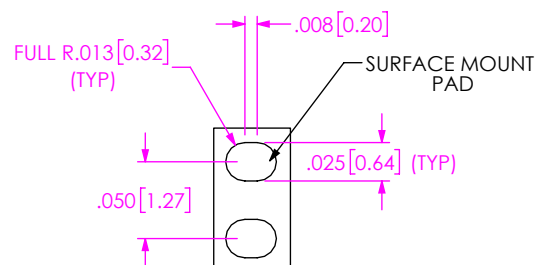
DWG. NO.  
ASP-232973-01

BY: J. BROWNING 08/14/2023 SHEET 2 OF 4



## RECOMMENDED PCB LAYOUT

ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE EXCEPT "X" DIMENSIONS)  
REFER TO VITA 90 VNX+ STANDARDS SPECIFICATIONS FOR DETAILED BOARD LAYOUT INFORMATION



DETAIL 'A'  
SCALE 8 : 1

---

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**santec**

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PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail [info@SAMTEC.com](mailto:info@SAMTEC.com) code 55322

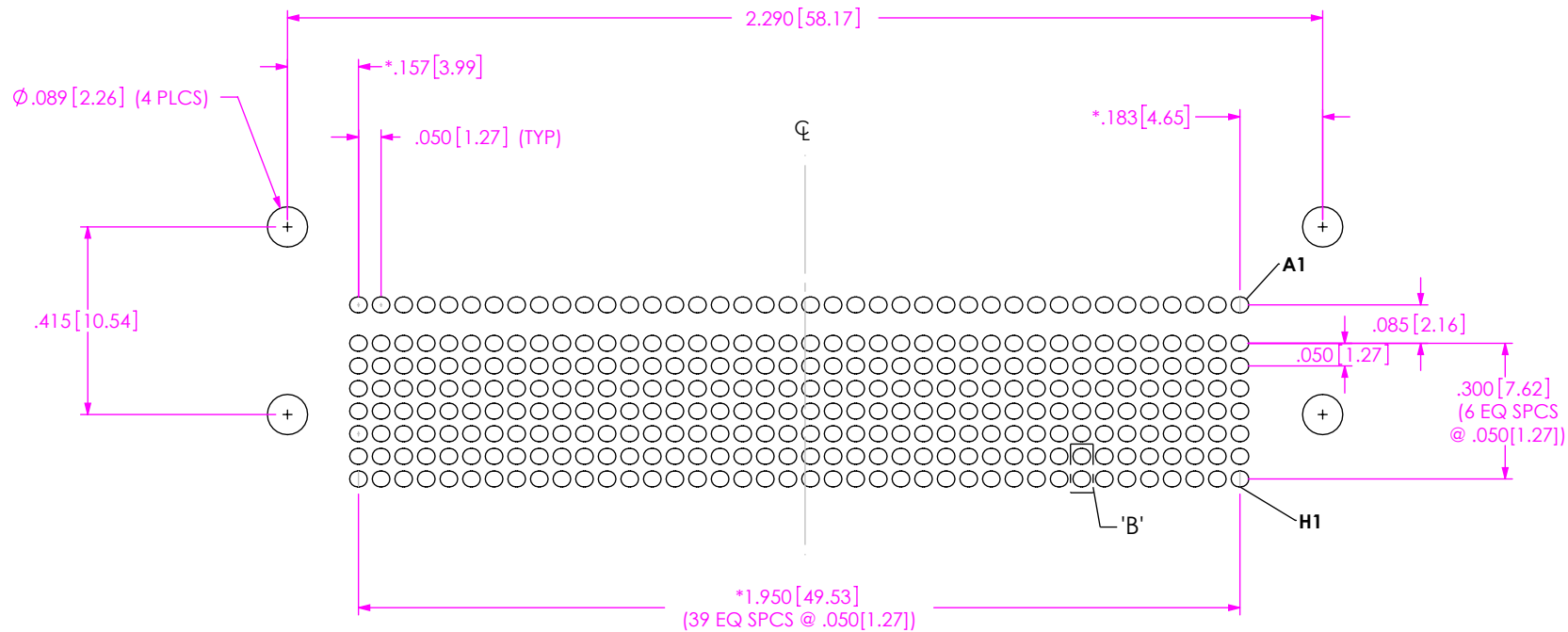
SHEET SCALE: 2.5:1

DESCRIPTION:  
VITA 90 SEAF-RA 320 PIN (LEADED SOLDER)

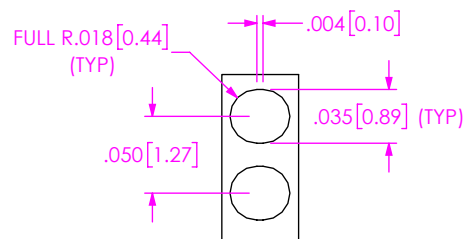
DWG. NO.

ASP-232973-01

|                            |              |
|----------------------------|--------------|
| BY: J. BROWNING 08/14/2023 | SHEET 3 OF 4 |
|----------------------------|--------------|



RECOMMENDED STENCIL LAYOUT  
ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE EXCEPT "\*" DIMENSIONS  
STENCIL TO BE .0060 THICK  
REFER TO VITA 90 VNX+ STANDARDS SPECIFICATIONS FOR DETAILED BOARD LAYOUT INFORMATION



DETAIL 'B'  
SCALE 8:1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
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| <p>SHEET SCALE: 2.5:1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>DESCRIPTION:<br/>VITA 90 SEAF-RA 320 PIN (LEADED SOLDER)</p>                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>DWG. NO.<br/><b>ASP-232973-01</b></p>                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>BY: J. BROWNING 08/14/2023 SHEET 4 OF 4</p>                                                                                                       |