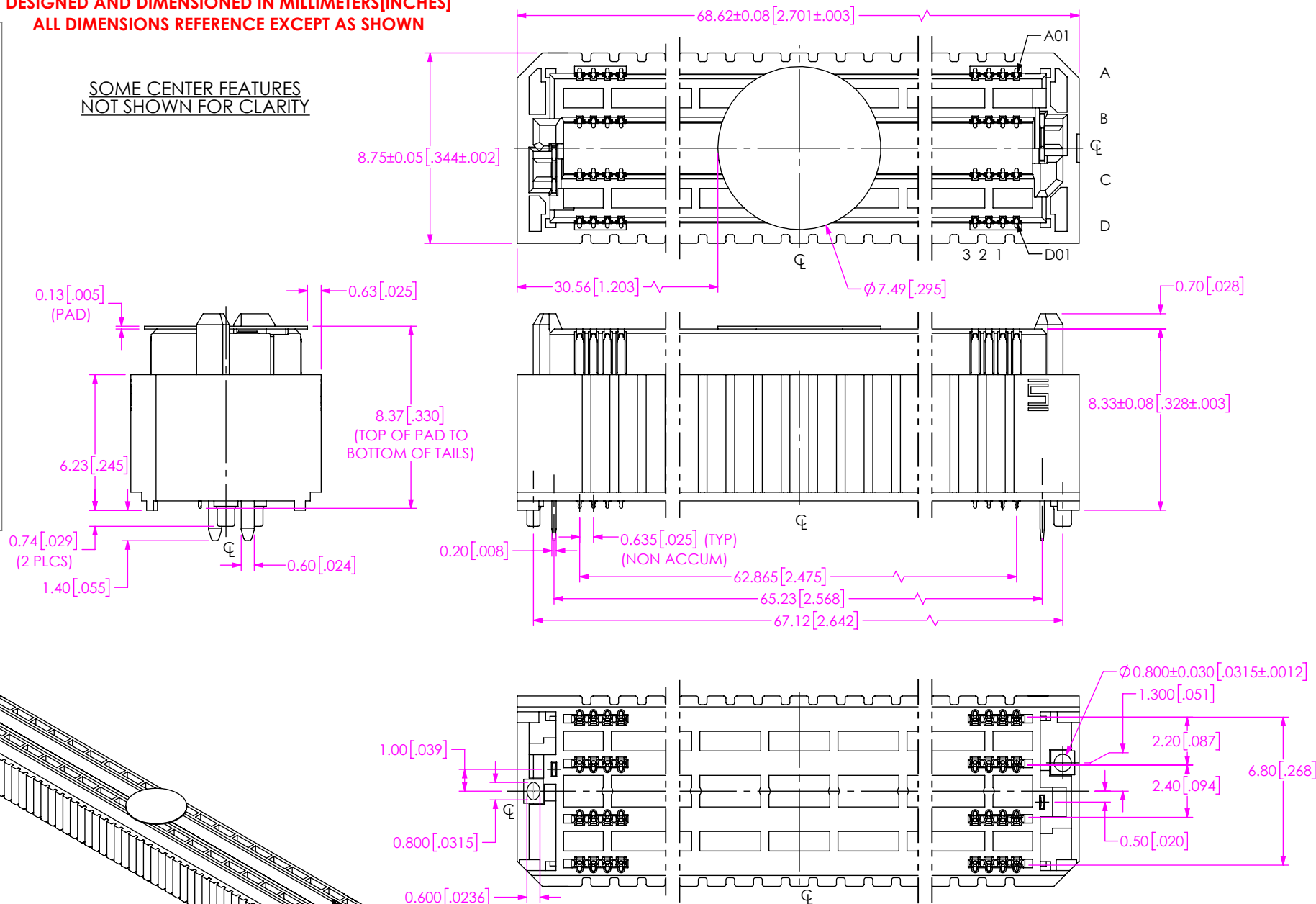


BY SIGNING THIS DOCUMENT
YOU ARE ACCEPTING THE
CONDITIONS SET WITHIN.
YOUR REQUIREMENTS MUST BE
LISTED WITHIN THIS DRAWING.
WHERE NO DIRECTION FROM THE
CUSTOMER IS IDENTIFIED
SAMTEC'S PROCESS
REQUIREMENTS WILL BE USED.

DATE: _____
COMPANY: _____
CUSTOMER SIGNATURE: _____
PRINTED NAME: _____
PHONE NO.: _____
EXCEPTIONS: _____

SOME CENTER FEATURES
NOT SHOWN FOR CLARITY



NOTES:

1. MINIMUM PUSHOUT FORCE: 1.2N FOR TERMINAL.
MINIMUM RETENTION FORCE 4.45N FOR WELD TAB.
2. PARTS TO BE PACKAGED IN TAPE & REEL.
3. ATTACH LABEL -4X2 TO EACH REEL.
4. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
5. -0 COLUMN TERMINATION CONNECTORS ARE SOLDERED WITH OPTIMIZED SOLDER PASTE VOLUME IN PLACE OF AN ATTACHED SOLDER BALL, USING OVERSIZED RECTANGULAR STENCIL APERTURES CENTERED OVER ROUND PCB PADS (DESIGN VERIFIED THROUGH TESTING). THE PASTE COALESCES DURING REFLOW TO FORM A COLUMNAR SOLDER JOINT. FOR MORE INFORMATION, CONTACT SAMTEC'S INTERCONNECT PROCESSING GROUP (IPG@SAMTEC.COM).

FIG 1
(ASP-230336-04 SHOWN)

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DO NOT SCALE DRAWING

SHEET SCALE: 4:1

MATERIAL:
INSULATOR: VECTRA 5475, COLOR: NATURAL
CONTACT: COPPER ALLOY
WELD TAB: COPPER ALLOY

PLATING:
TERMINAL:
CONTACT AREA: .00030" REF GOLD
REMAINDER: .00020" REF TIN
WELD TAB:
ENTIRE PIN: .00020" REF TIN

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e-Mail: info@SAMTEC.com code 55322

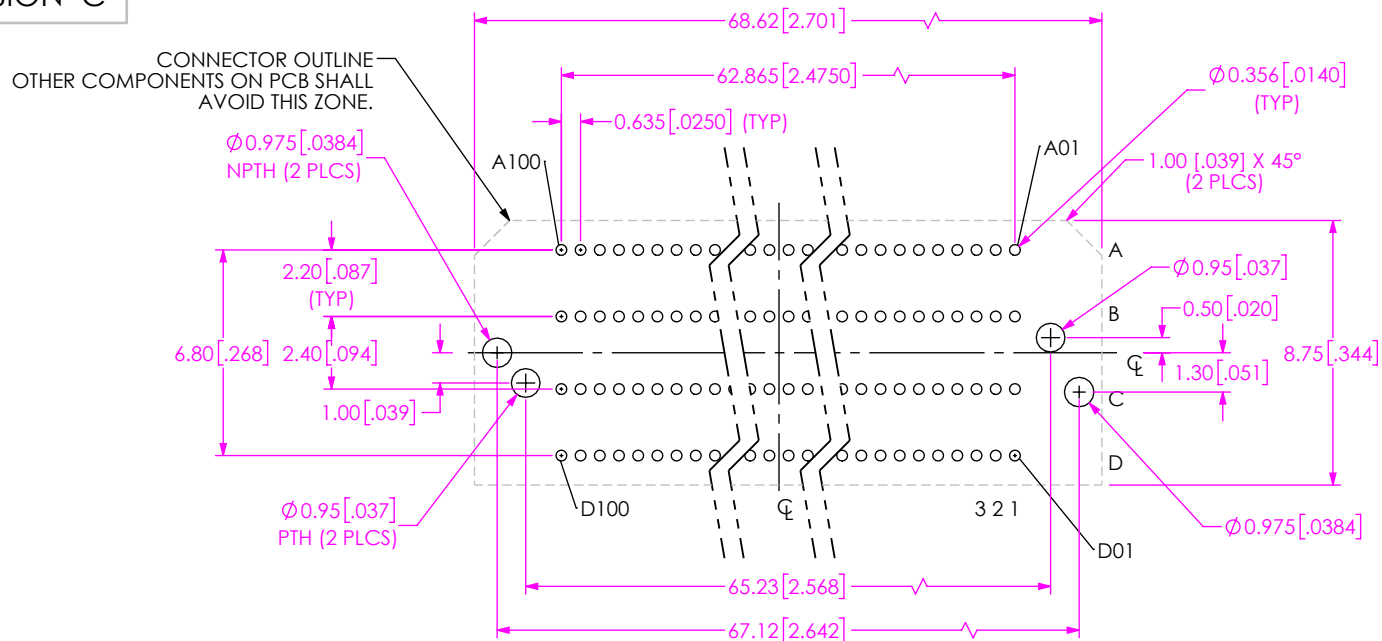
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CUSTOM COM HPC MALE ASSEMBLY

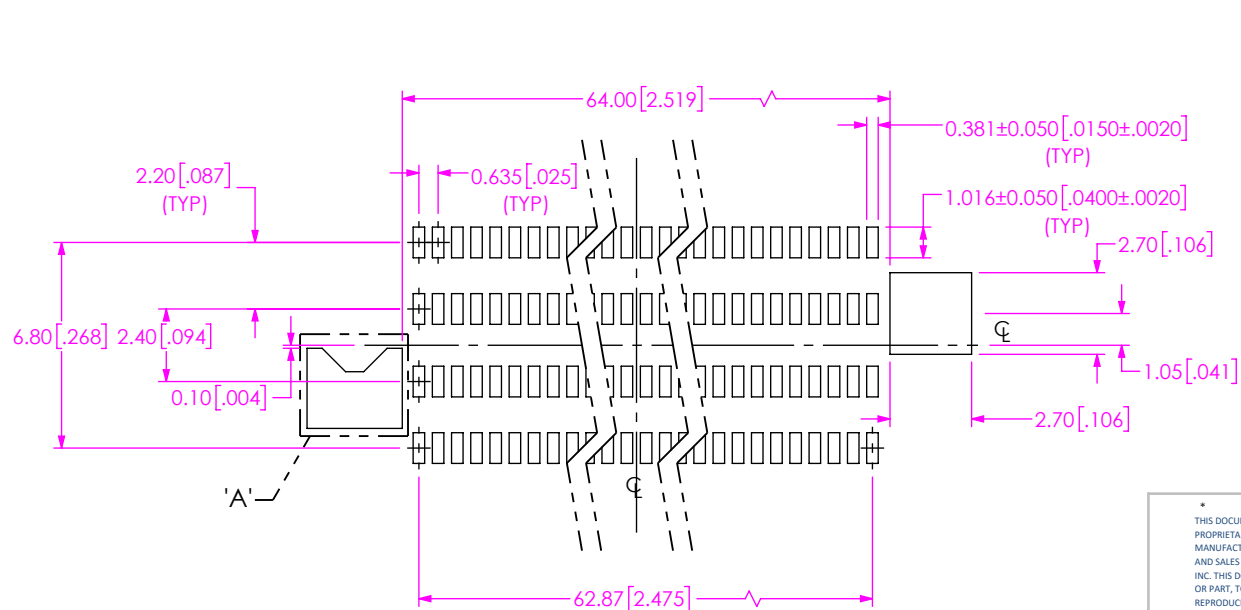
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ASP-230336-04

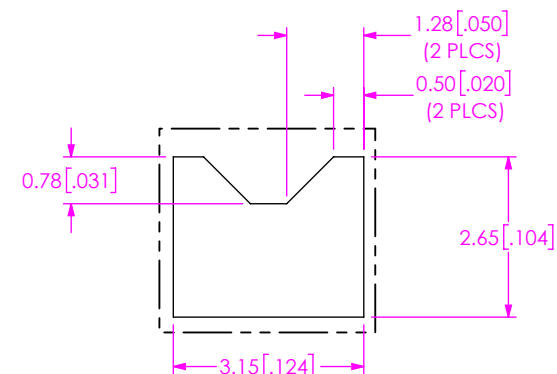
BY: DOLBEARE K 10/26/2023 SHEET 1 OF 8



RECOMMENDED PCB LAYOUT
ALL DIMENSIONS SYMMETRIC ABOUT CENTERLINE
(ALL DIMENSIONS FOR REFERENCE ONLY)



RECOMMENDED STENCIL LAYOUT
ALL DIMENSIONS SYMMETRIC ABOUT CENTERLINE
(STENCIL TO BE 0.125[.0050] THICK)



DETAIL 'A'
SCALE 8 : 1

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SHEET SCALE: 2:1

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DESCRIPTION:
CUSTOM COM HPC MALE ASSEMBLY

DWG. NO.
ASP-230336-04

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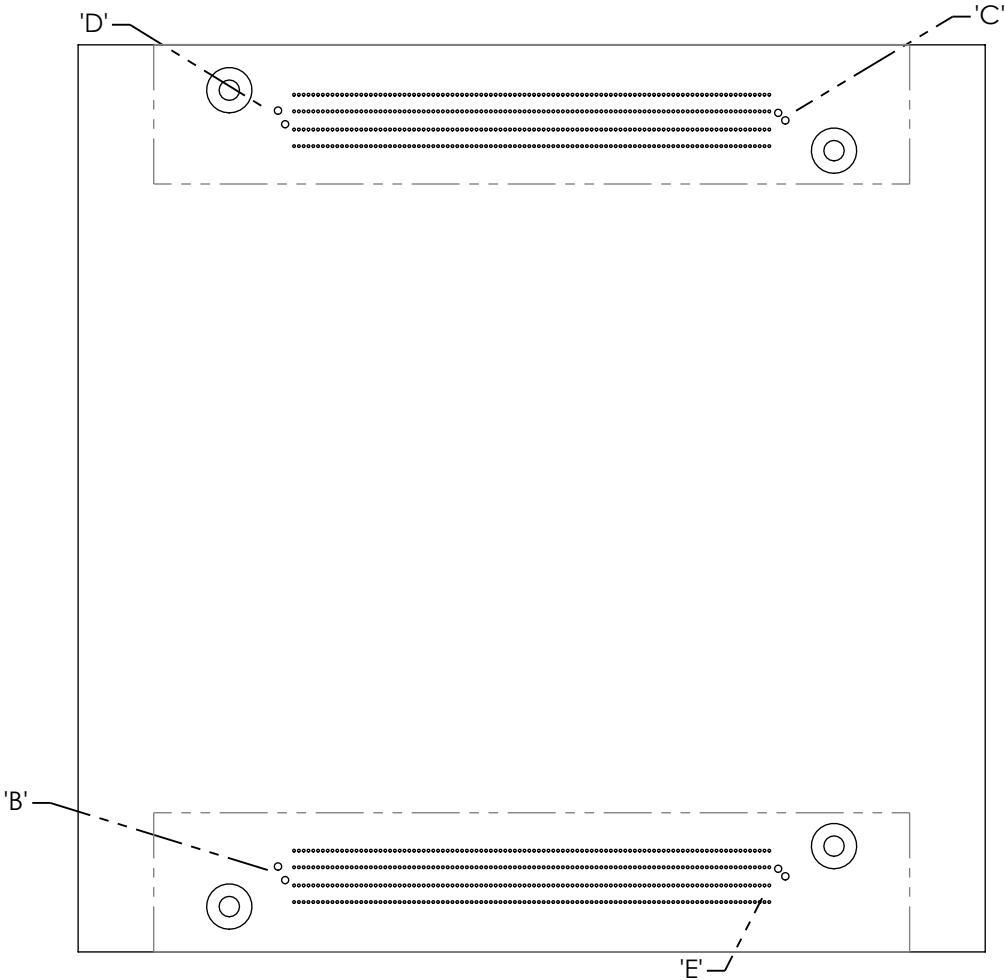


FIG 2
(RECOMMENDED ASP-230336-04)
(LAYOUT FOR COM-HPC® MODULE SIZE A & B)

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SHEET SCALE: 1:1

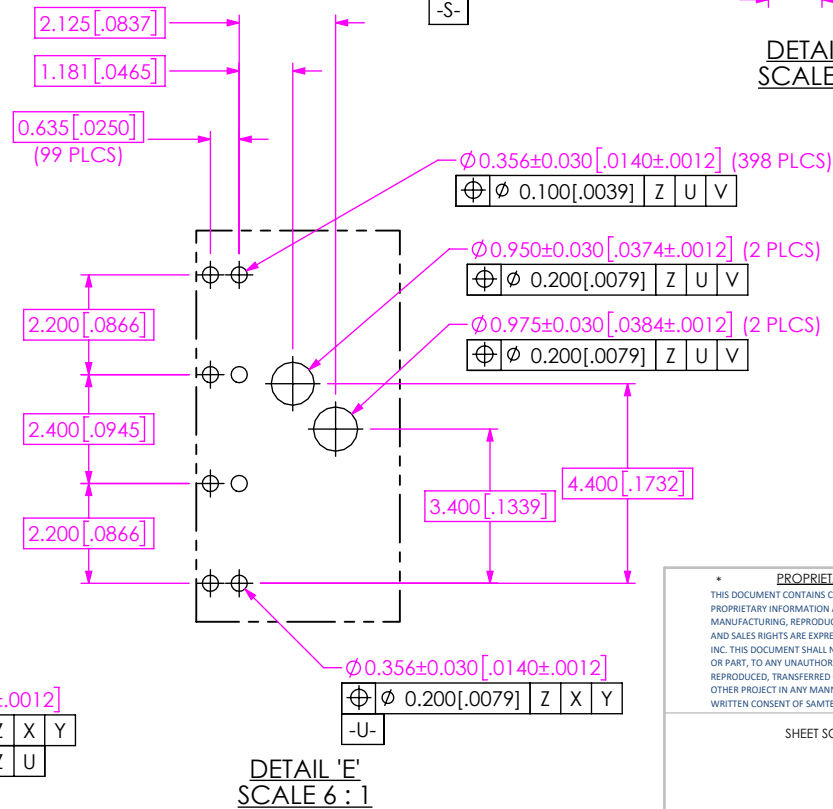
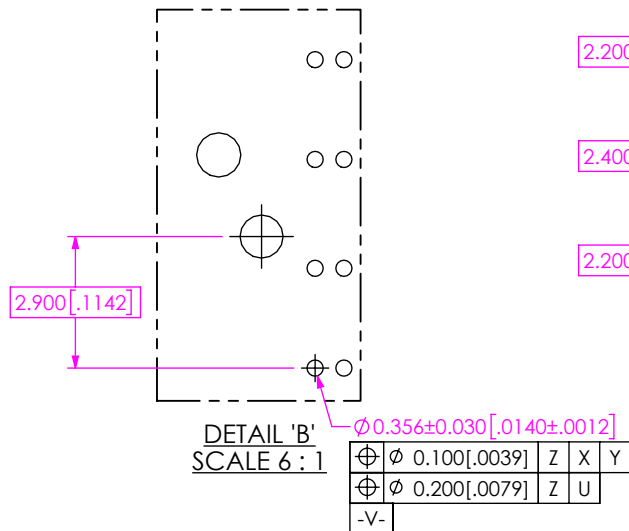
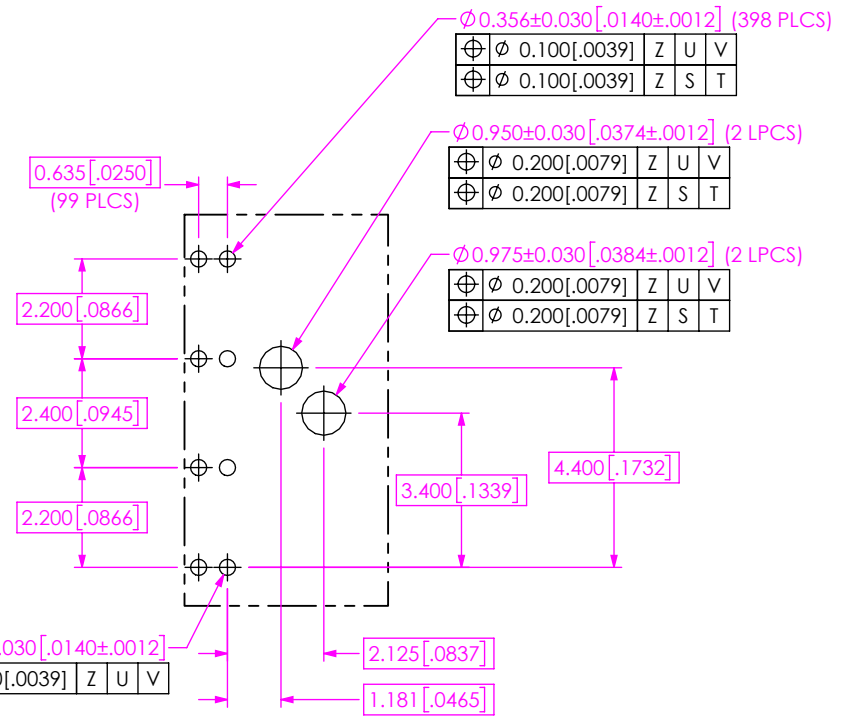
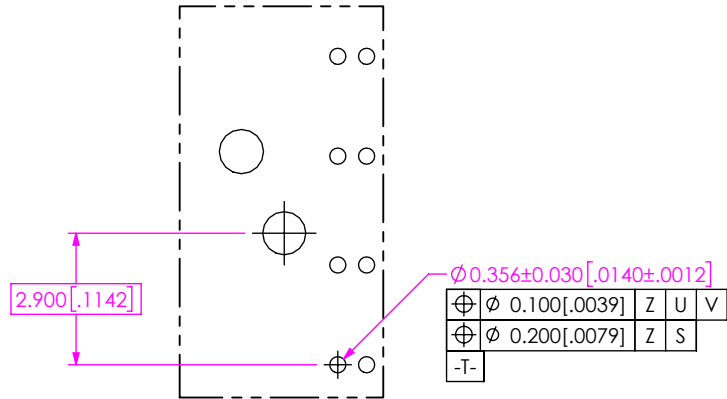


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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
CUSTOM COM HPC MALE ASSEMBLY

DWG. NO.
ASP-230336-04

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SHEET SCALE: 1:1

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
CUSTOM COM HPC MALE ASSEMBLY

DWG. NO.
ASP-230336-04

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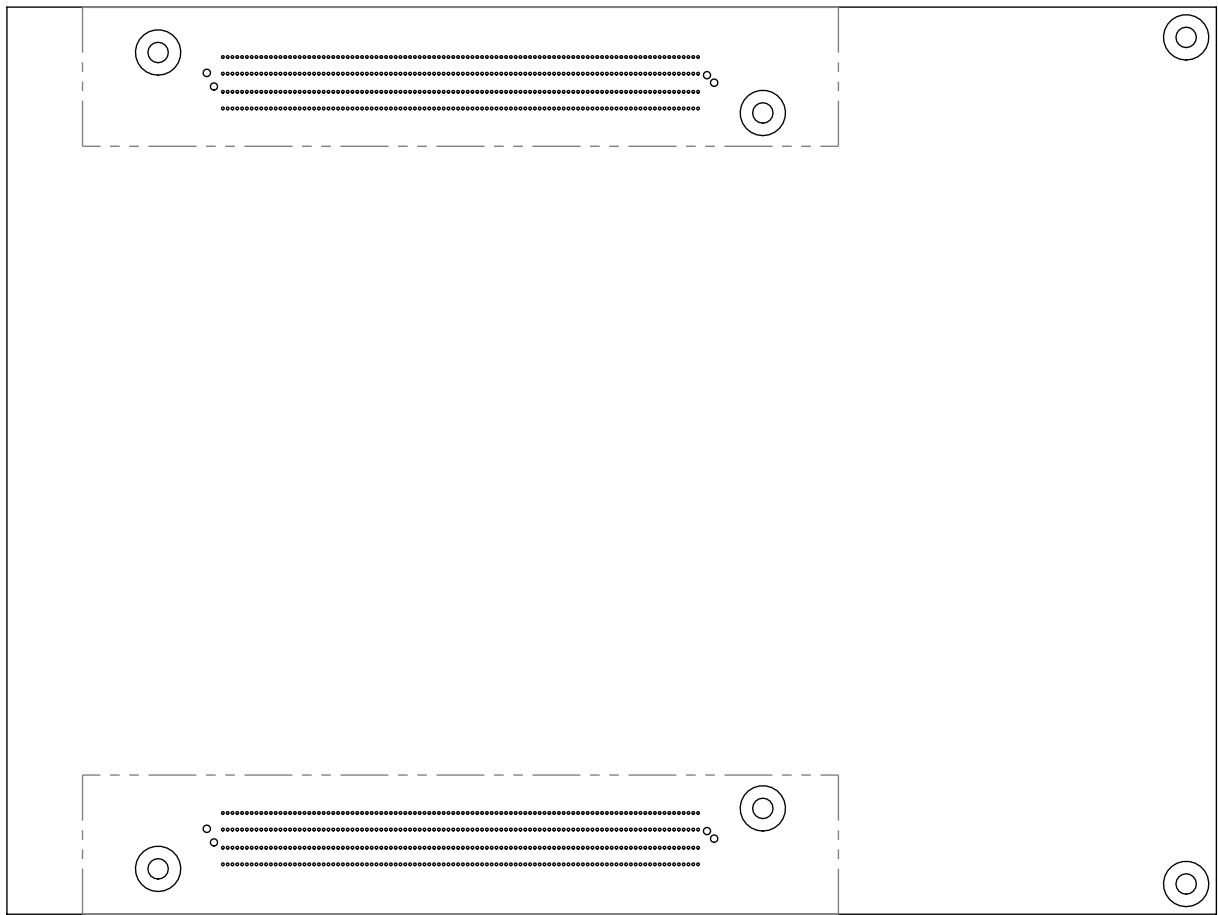


FIG 3
(RECOMMENDED ASP-230336-04)
(SAME AS FIG 2, EXCEPT AS SHOWN)
(LAYOUT FOR COM-HPC[®] MODULE SIZE C)

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	DWG. NO. ASP-230336-04
BY:DOLBEARE K 10/26/2023 SHEET 5 OF 8	

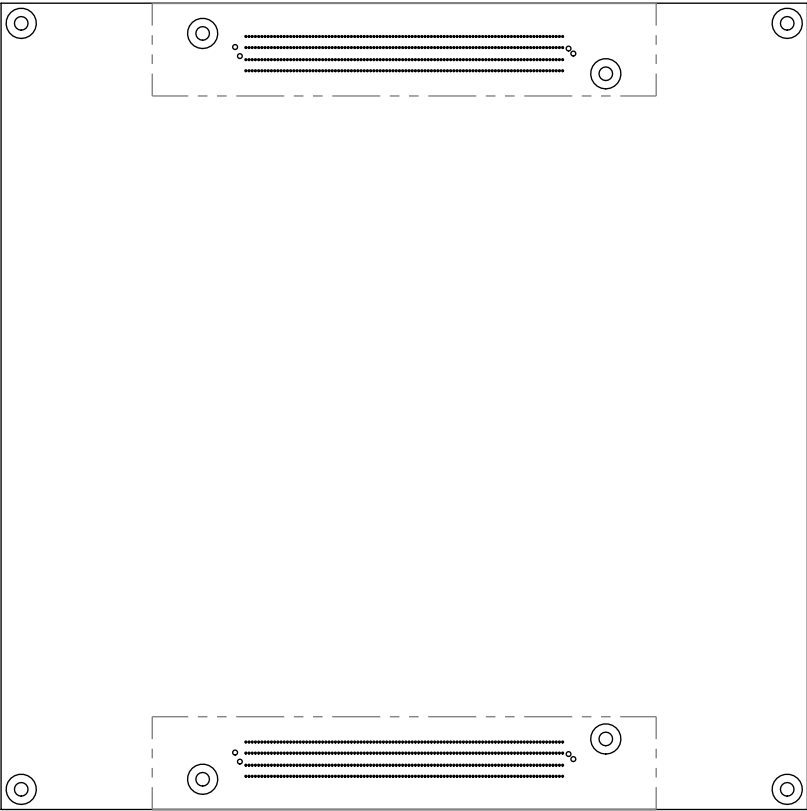


FIG 4
(RECOMMENDED ASP-230336-04)
(SAME AS FIG 2, EXCEPT AS SHOWN)
(LAYOUT FOR COM-HPC® MODULE SIZE D)

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	DWG. NO. ASP-230336-04
	BY:DOLBEARE K 10/26/2023 SHEET 6 OF 8

SHEET SCALE: 1:1

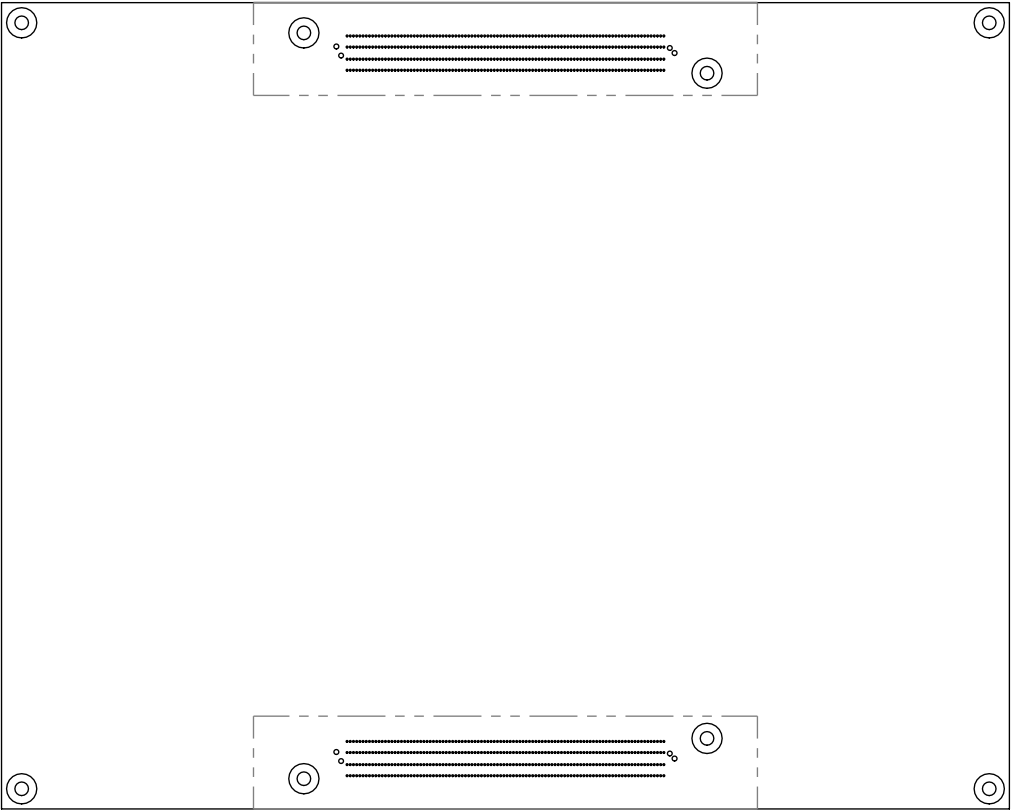
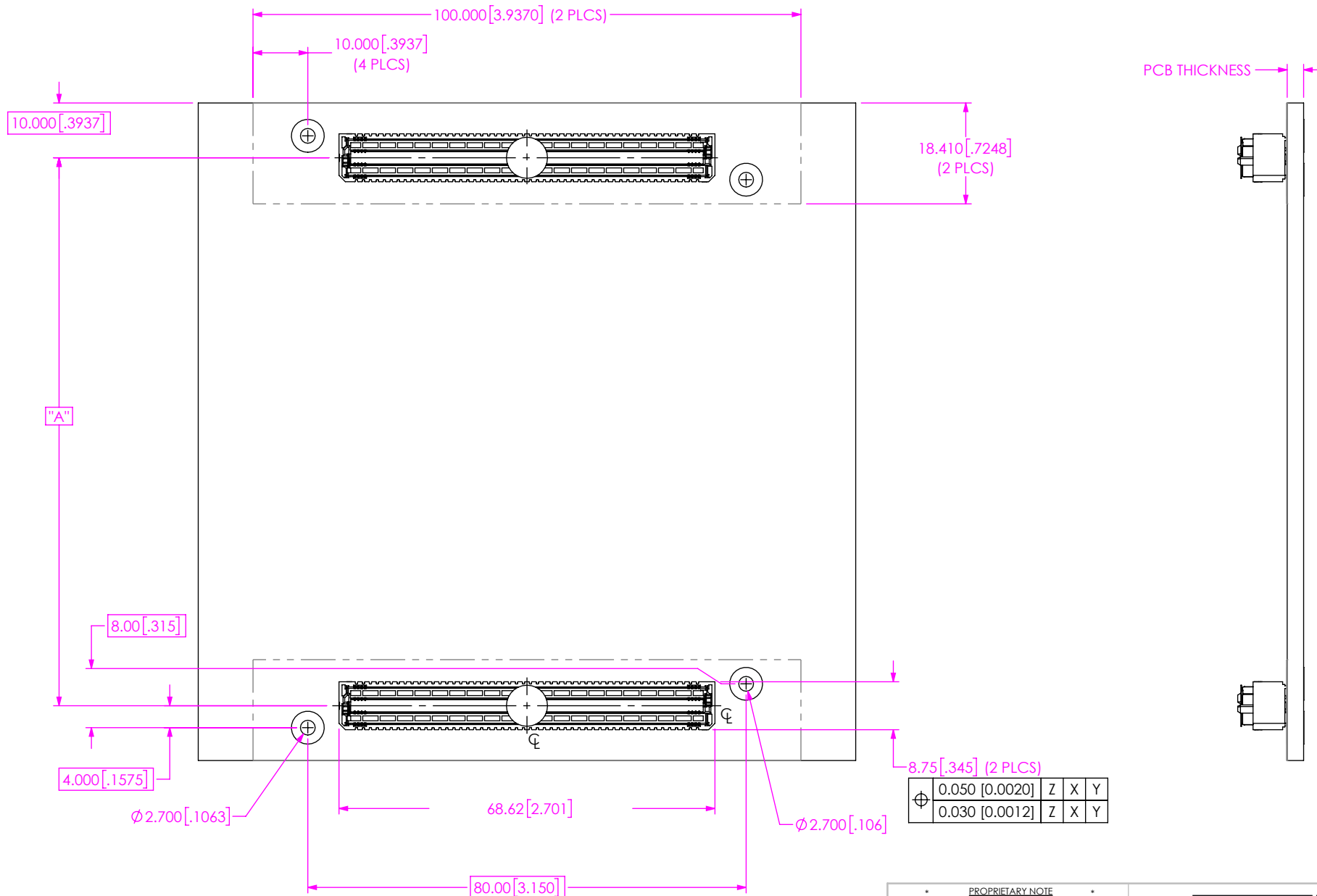


FIG 5
(RECOMMENDED ASP-230336-04)
(SAME AS FIG 2, EXCEPT AS SHOWN)
(LAYOUT FOR COM-HPC® MODULE SIZE E)

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	DWG. NO. ASP-230336-04
BY:DOLBEARE K 10/26/2023 SHEET 7 OF 8	



General Table	
TABLE 1	
COM-HPC® MODULE	"A"
SIZE A	100.000 [3.937]
SIZE B	100.000 [3.937]
SIZE C	100.000 [3.937]
SIZE D	140.000 [5.512]
SIZE E	140.000 [5.512]

FIG 6
COM-HPC® ASSEMBLY APPLICATION
(RECOMMENDED ASP-230336-04 LAYOUT FOR COM-HPC®)

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	BY:DOLBEARE K 10/26/2023 SHEET 8 OF 8