

REVISION D

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: _____

- NOTES:
1. MINIMUM PUSHOUT FORCE: 1.6N
 2. PARTS TO BE PACKAGED IN TAPE & REEL.
 3. SEE SHT 2 FOR PROCESSING INFORMATION.
 4. ATTACH LABEL -4X2 TO EACH REEL.
 5. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

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

SOME CENTER FEATURES
 NOT SHOWN FOR CLARITY

DO NOT
 SCALE FROM
 THIS PRINT

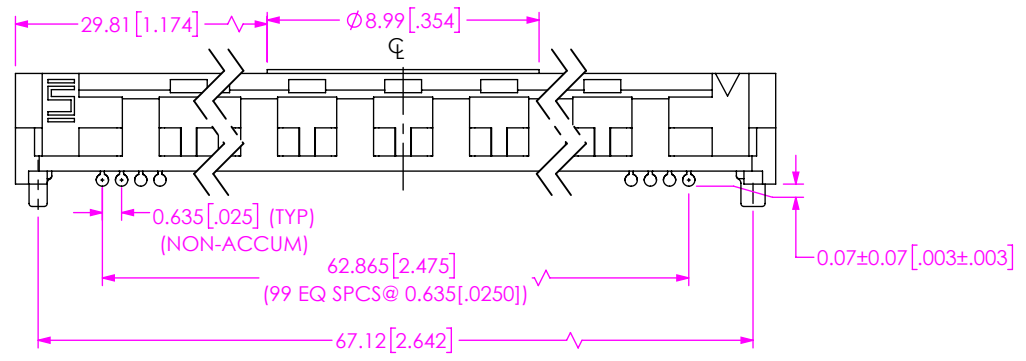
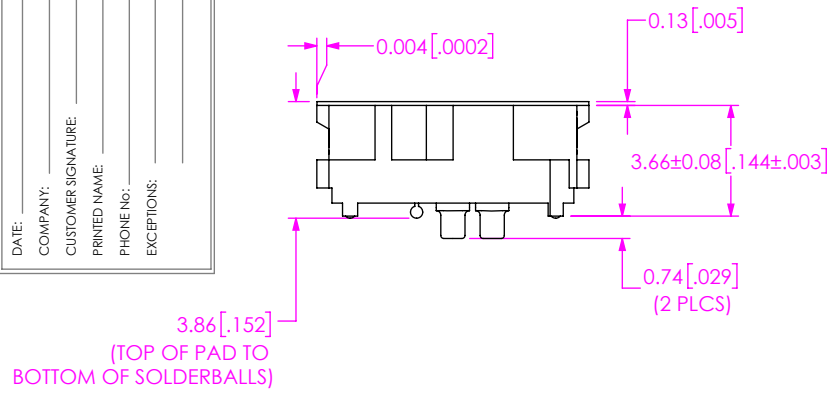
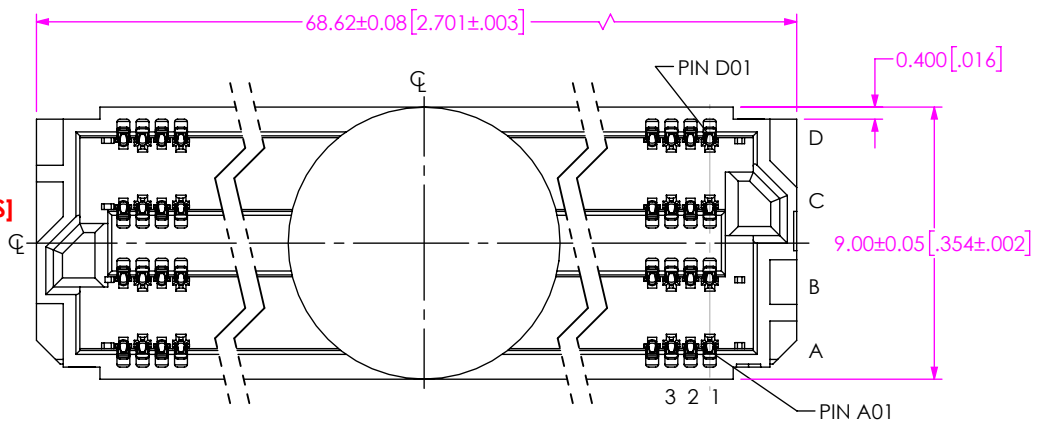
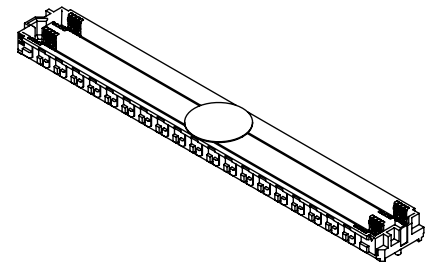
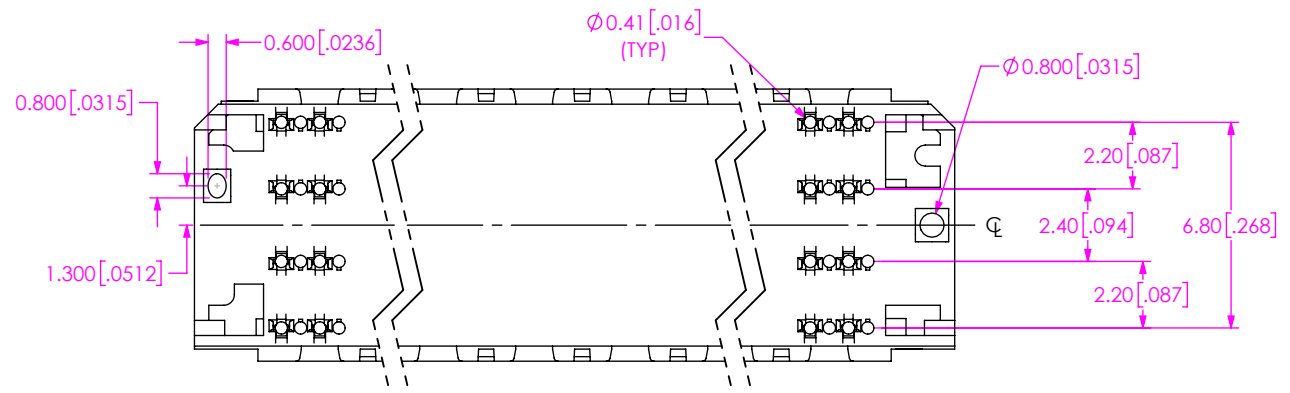


FIG 1
 (ASP-209946-02 SHOWN)



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DO NOT SCALE DRAWING SHEET SCALE: 4:1

MATERIAL:
 INSULATOR: LCP, COLOR: NATURAL
 CONTACT: COPPER ALLOY
 PLATING:
 CONTACT AREA: .000030" GOLD OVER .000050" NICKEL
 REMAINDER: .000200" REF TIN OVER .000050" NICKEL

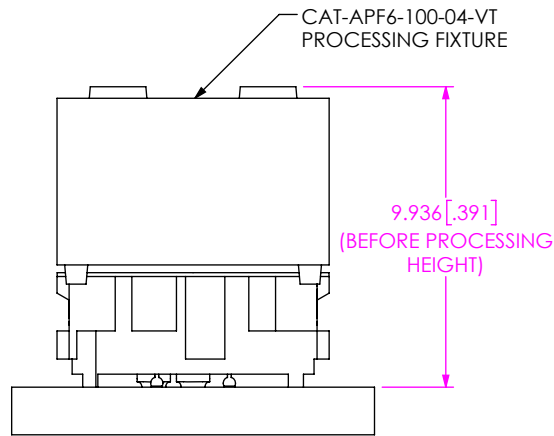
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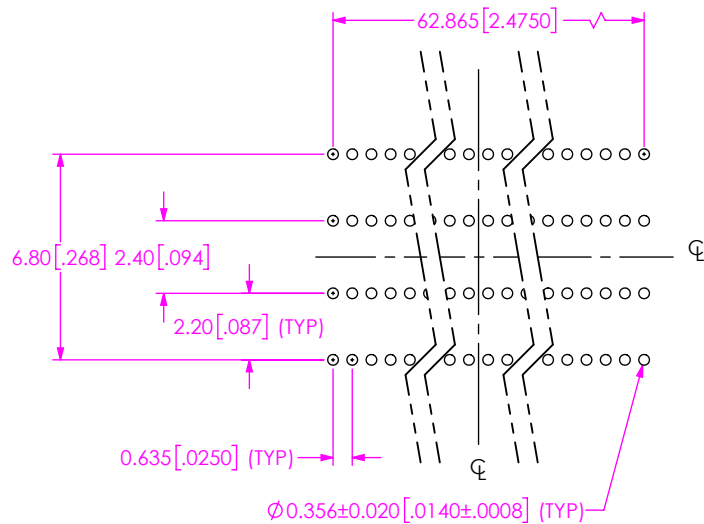
DESCRIPTION:
 CUSTOM COM HPC FEMALE ASSEMBLY

DWG. NO.
ASP-209946-02

BY: R. CURRY 11/05/2020 SHEET 1 OF 8



PROCESSING VIEW
 DIMENSION INDICATES CONNECTOR/FIXTURE HEIGHT ON PCB
 TO GUARANTEE ENOUGH REFLOW OVEN WORKING SPACE.
 DIMENSION, PCB THICKNESS, AND THE HEIGHT OF THE COMPONENTS
 ON THE OTHER SIDE OF THE BOARD NEED TO BE CONSIDERED.



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

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SHEET SCALE: 1:1

DESCRIPTION:
 CUSTOM COM HPC FEMALE ASSEMBLY

DWG. NO.
 ASP-209946-02

BY: R. CURRY 11/05/2020 SHEET 2 OF 8

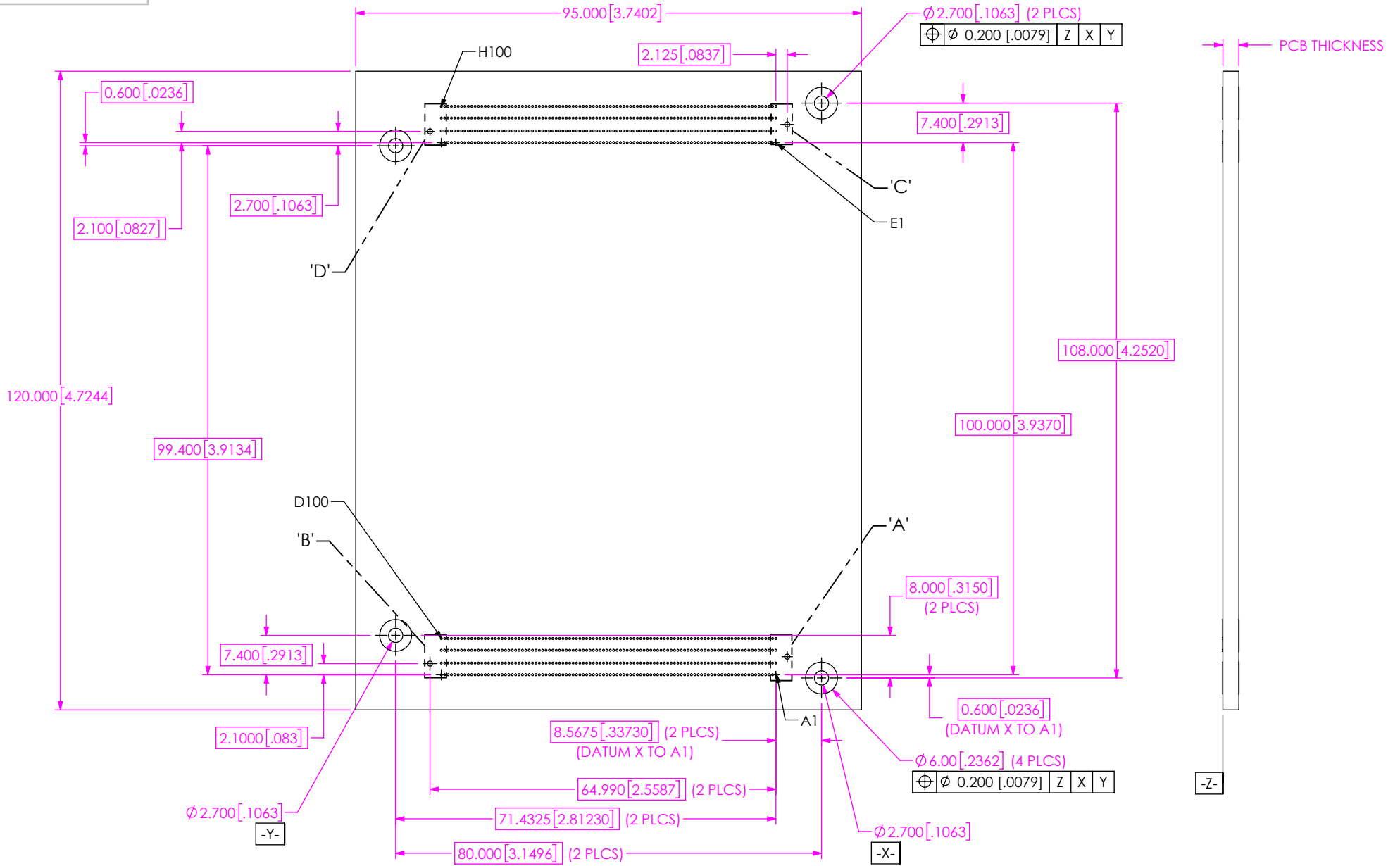
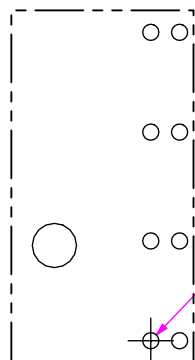


FIG 2
COM-HPC® MODULE SIZE A
((RECOMMENDED PCB LAYOUT FOR COM-HPC®))

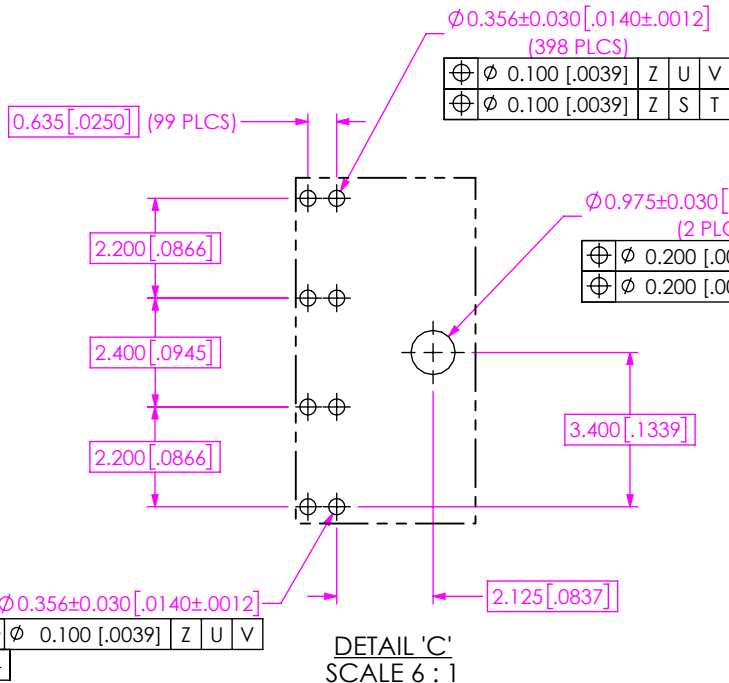
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	<p>DWG. NO. ASP-209946-02</p>	
	<p>BY: R. CURRY</p>	<p>11/05/2020</p>



$\varnothing 0.356 \pm 0.030 [0.140 \pm .0012]$

\varnothing	0.100	[.0039]	Z	U	V
\varnothing	0.200	[.0079]	Z	S	T
-T-					

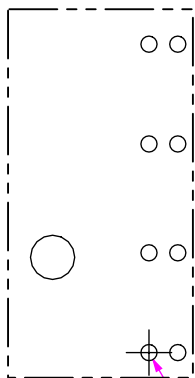
DETAIL 'D'
SCALE 6 : 1



$\varnothing 0.356 \pm 0.030 [0.140 \pm .0012]$

\varnothing	0.100	[.0039]	Z	U	V
-S-					

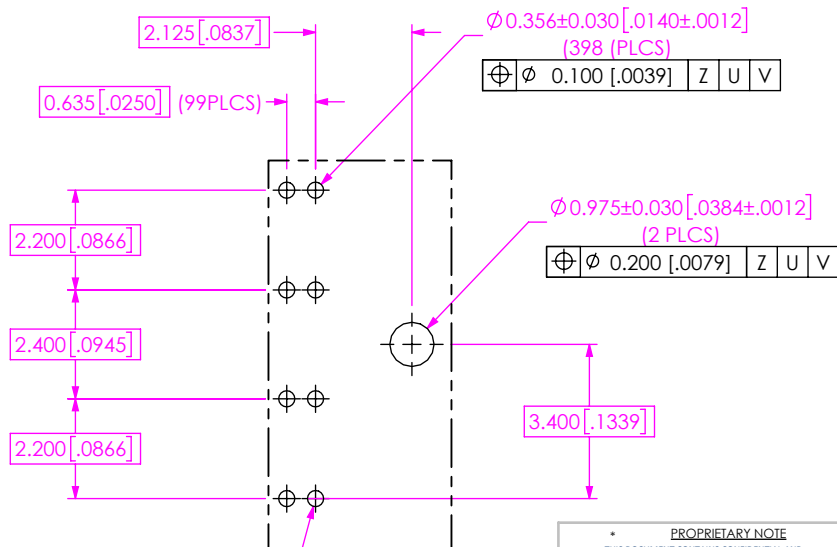
DETAIL 'C'
SCALE 6 : 1



$\varnothing 0.356 \pm 0.030 [0.140 \pm .0012]$

\varnothing	0.200	[.0079]	Z	X	Y
\varnothing	0.100	[.0039]	Z	U	
-V-					

DETAIL 'B'
SCALE 6 : 1



$\varnothing 0.356 \pm 0.030 [0.140 \pm .0012]$

\varnothing	0.200	[.0079]	Z	X	Y
-U-					

DETAIL 'A'
SCALE 6 : 1

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SHEET SCALE: 6:1



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DESCRIPTION:
 CUSTOM COM HPC FEMALE ASSEMBLY

DWG. NO.
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BY: R. CURRY 11/05/2020 SHEET 4 OF 8

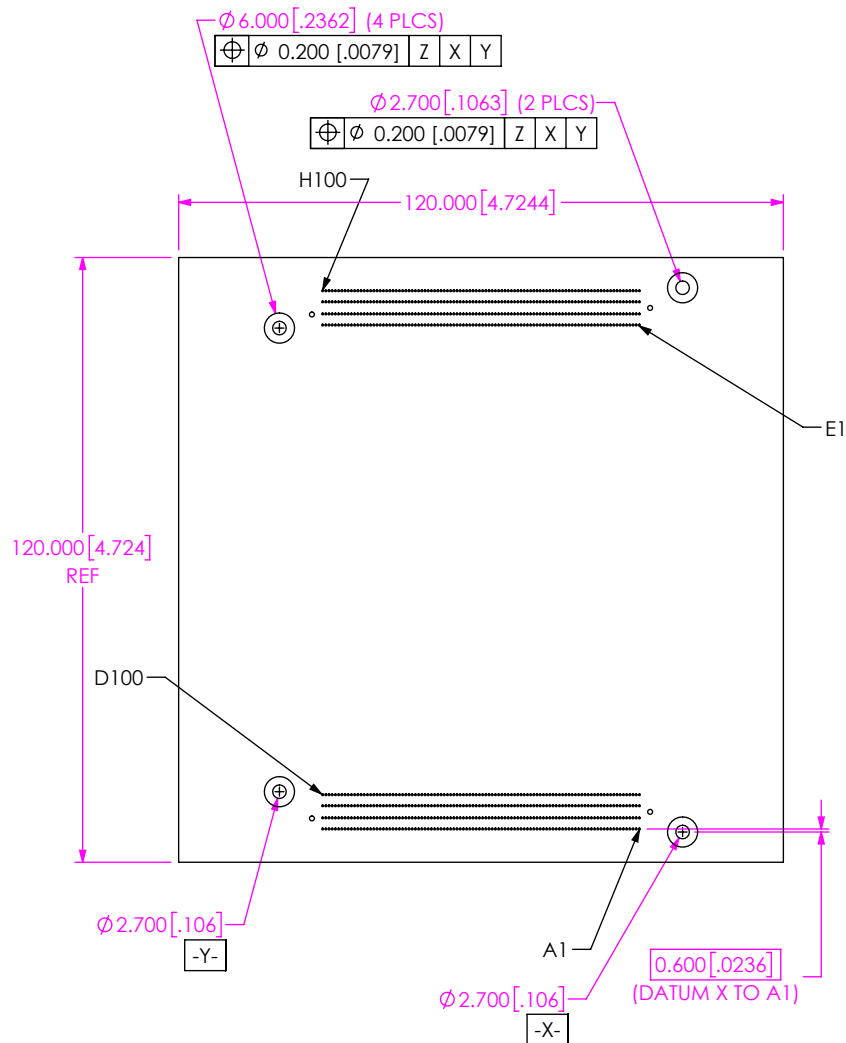


FIG 3
COM-HPC® MODULE SIZE B
(SAME AS FIG 2, EXCEPT AS SHOWN)
(RECOMMENDED PCB LAYOUT FOR COM-HPC)

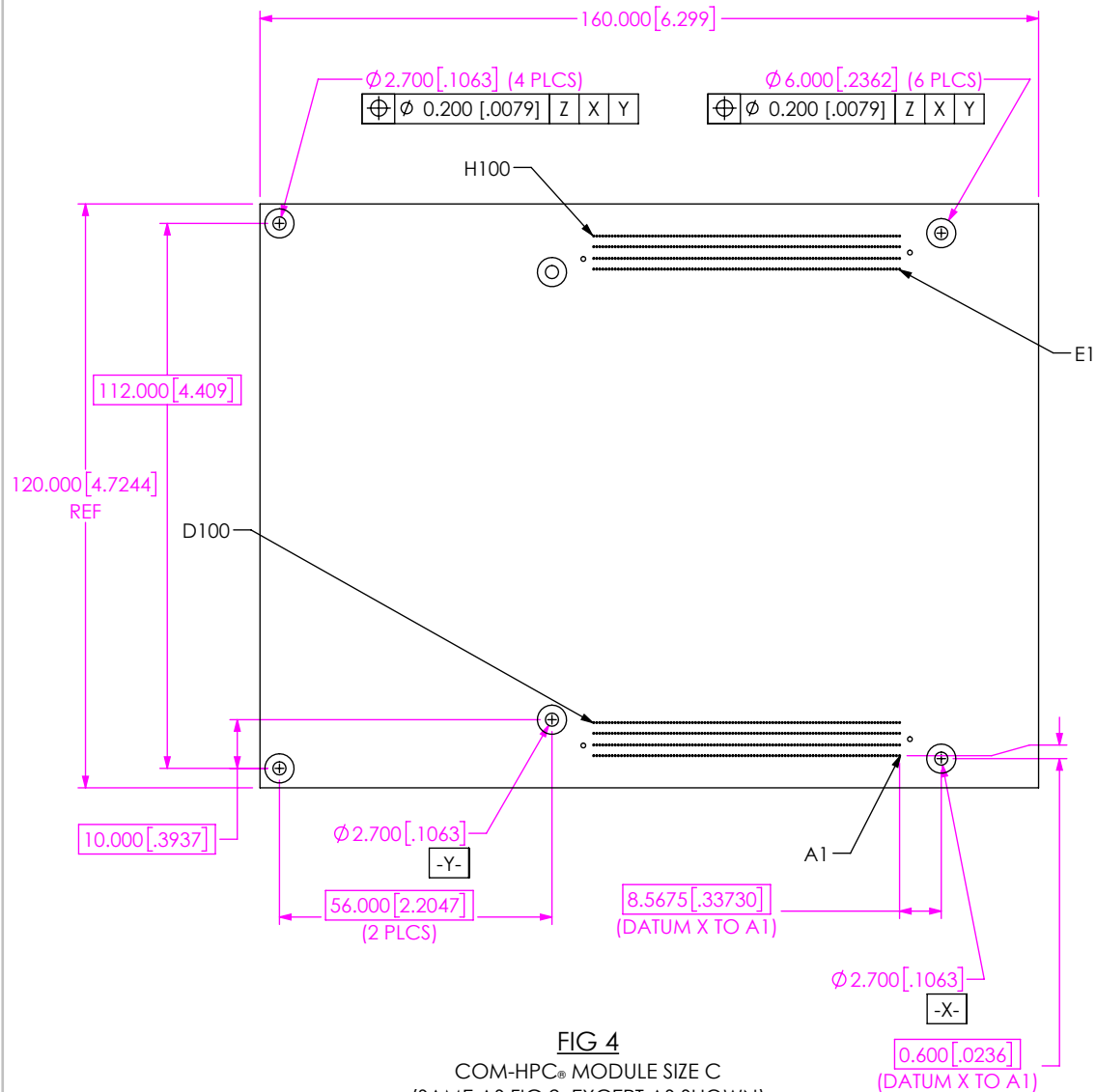



FIG 4
COM-HPC® MODULE SIZE C
(SAME AS FIG 2, EXCEPT AS SHOWN)
(RECOMMENDED PCB LAYOUT FOR COM-HPC®)

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	DESCRIPTION: CUSTOM COM HPC FEMALE ASSEMBLY		
	DWG. NO. ASP-209946-02		
SHEET SCALE: 6:1	BY: R. CURRY	11/05/2020	SHEET 5 OF 8

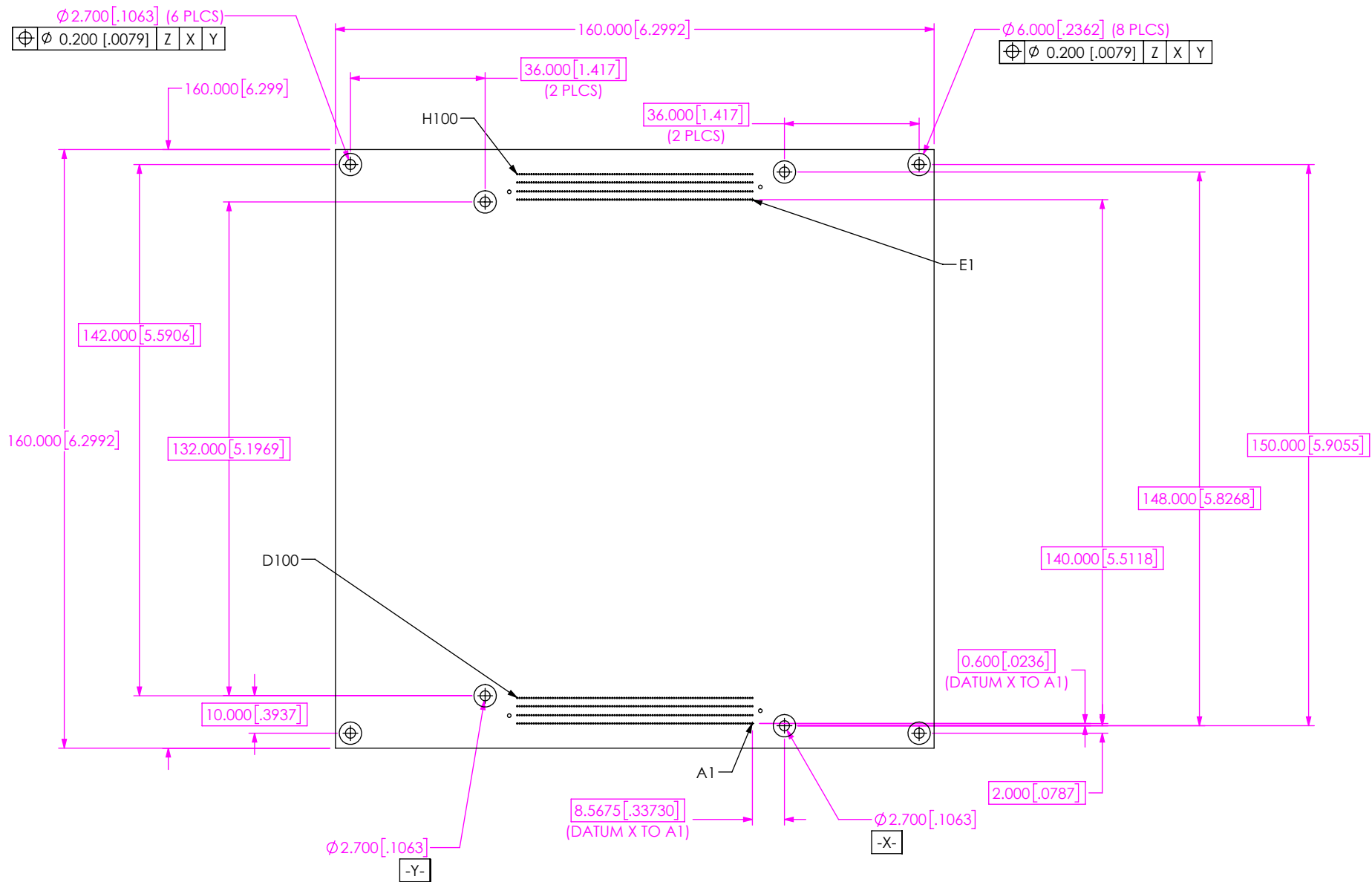


FIG 5
COM-HPC® MODULE SIZE D
(SAME AS FIG 2, EXCEPT AS SHOWN)
(RECOMMENDED PCB LAYOUT FOR COM-HPC®)

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	<p>DESCRIPTION: CUSTOM COM HPC FEMALE ASSEMBLY</p>		
	<p>DWG. NO. ASP-209946-02</p>		
<p>SHEET SCALE: 6:1</p>	<p>BY: R. CURRY</p>	<p>11/05/2020</p>	<p>SHEET 6 OF 8</p>

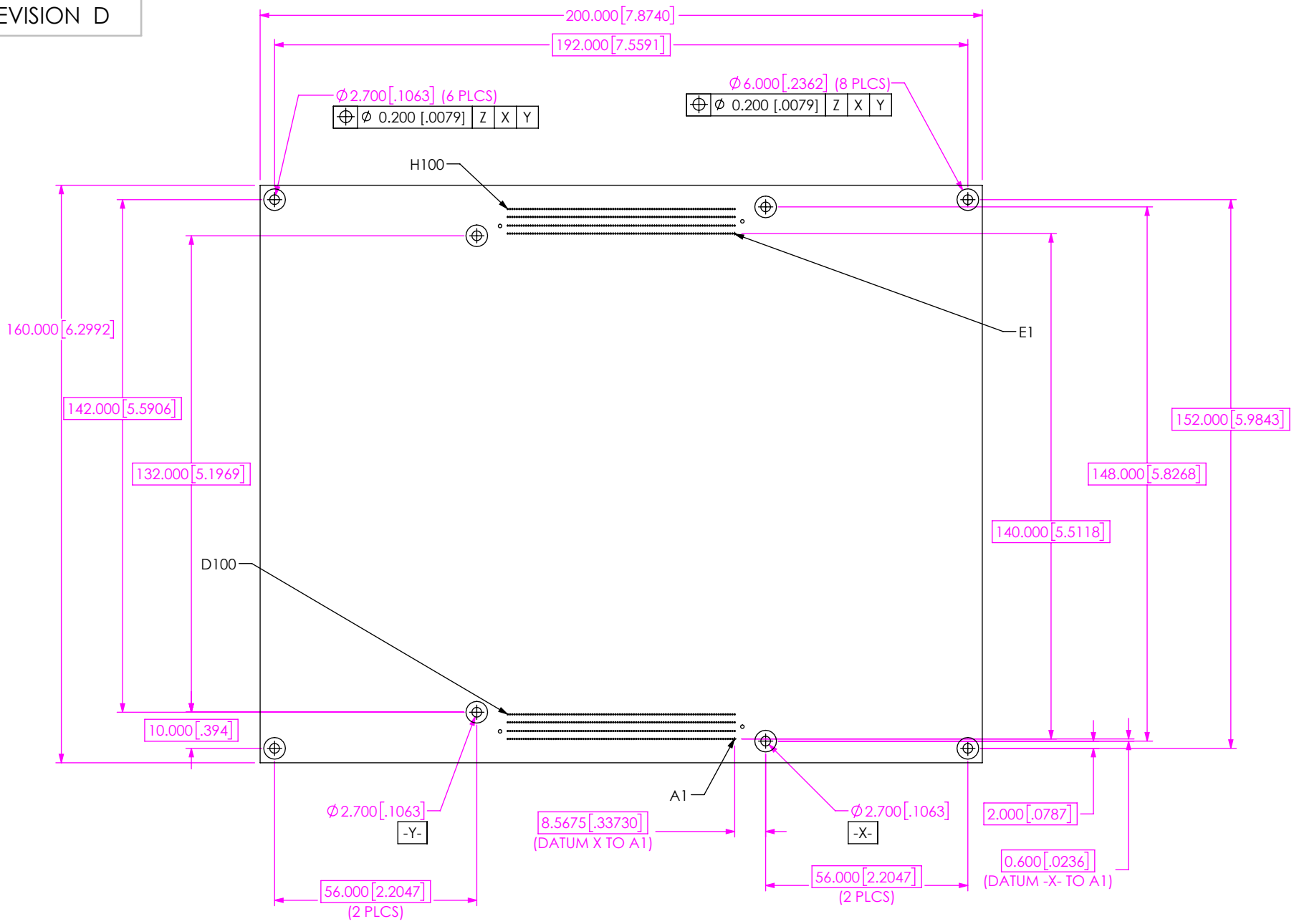


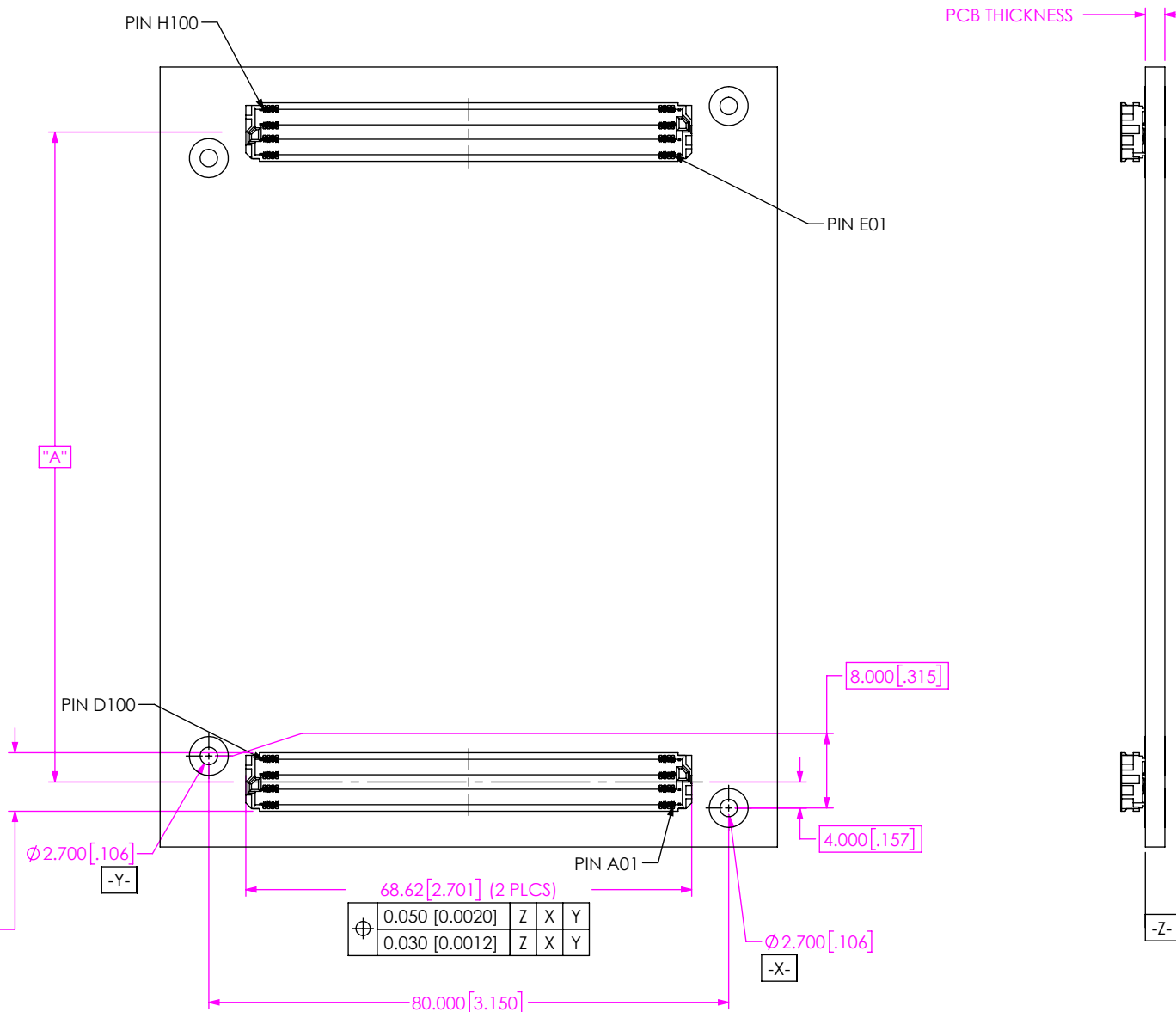
FIG 6
COM-HPC® MODULE SIZE E
 (SAME AS FIG 2, EXCEPT AS SHOWN)
 (RECOMMENDED PCB LAYOUT FOR COM-HPC®)

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SHEET SCALE: 1:1

DESCRIPTION:
 CUSTOM COM HPC FEMALE ASSEMBLY
 DWG. NO.
ASP-209946-02
 BY: R. CURRY 11/05/2020 SHEET 7 OF 8



\varnothing	0.050 [0.0020]	Z	X	Y
\varnothing	0.030 [0.0012]	Z	X	Y

\varnothing	0.050 [0.0020]	Z	X	Y
\varnothing	0.030 [0.0012]	Z	X	Y

FIG 7
 COM-HPC® ASSEMBLY APPLICATION
 (RECOMMENDED ASP-209946-02 LAYOUT FOR COM-HPC®)

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]

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SHEET SCALE: 1:1

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