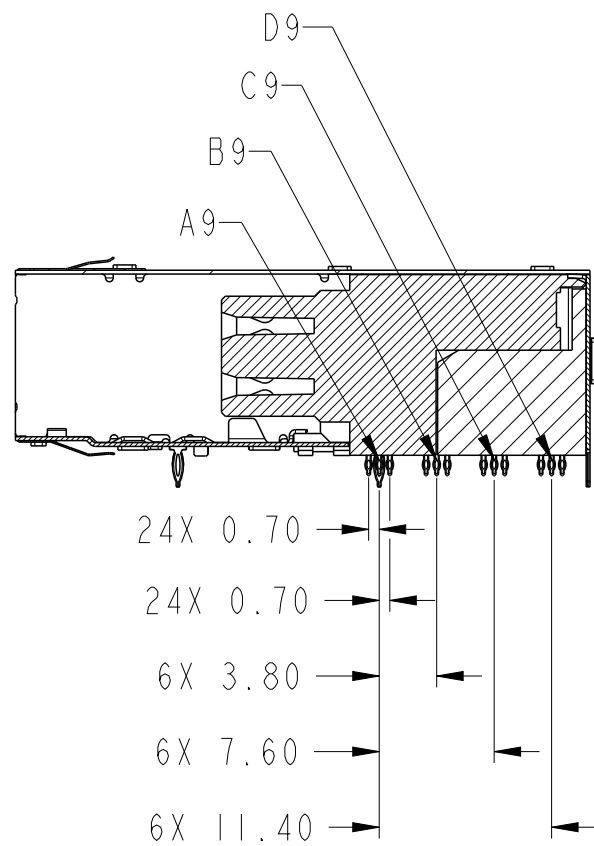
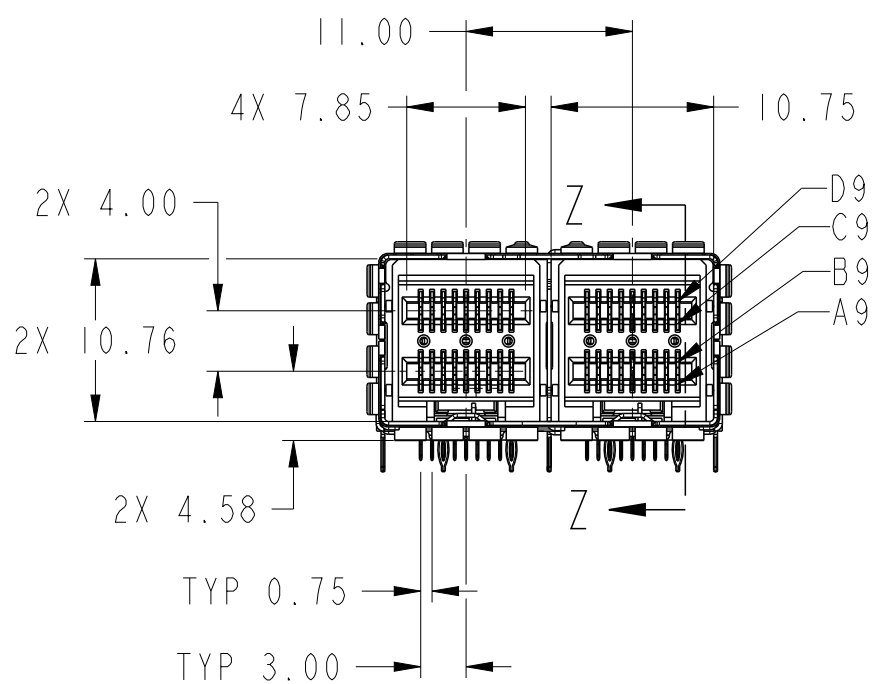
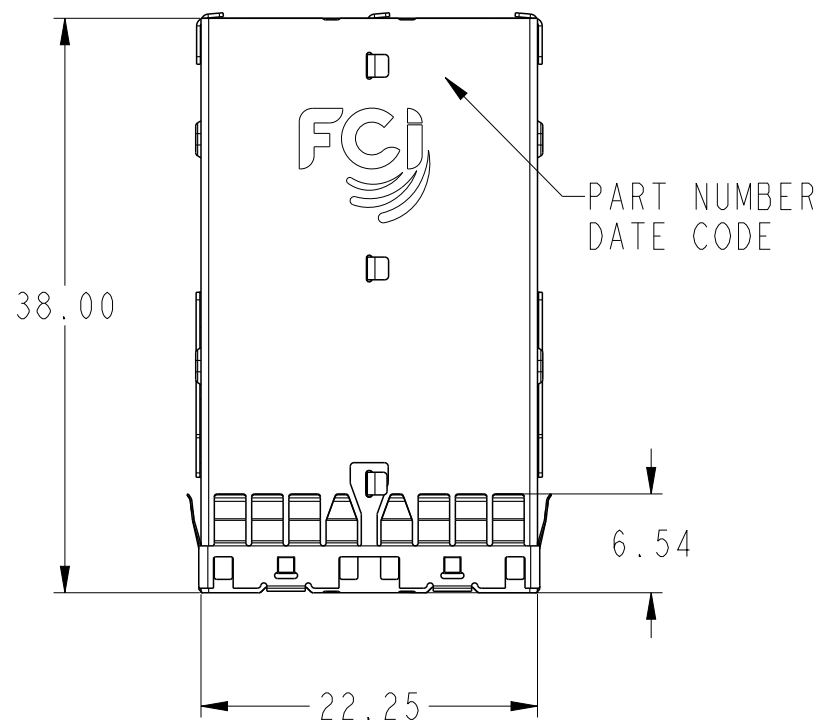
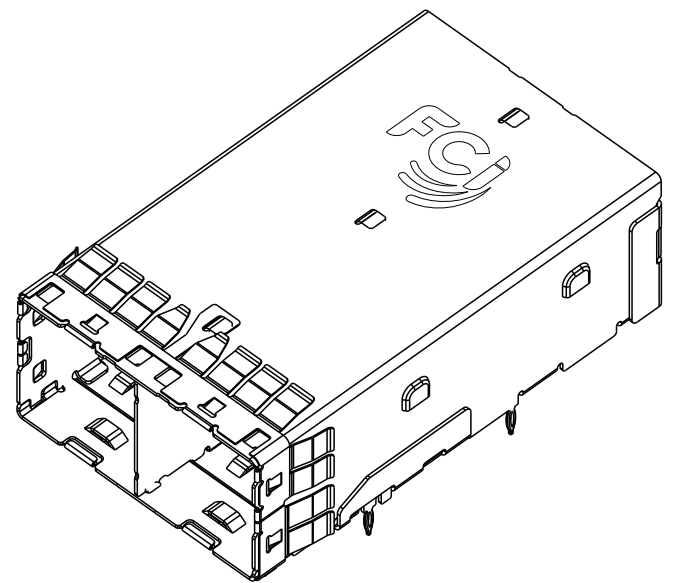
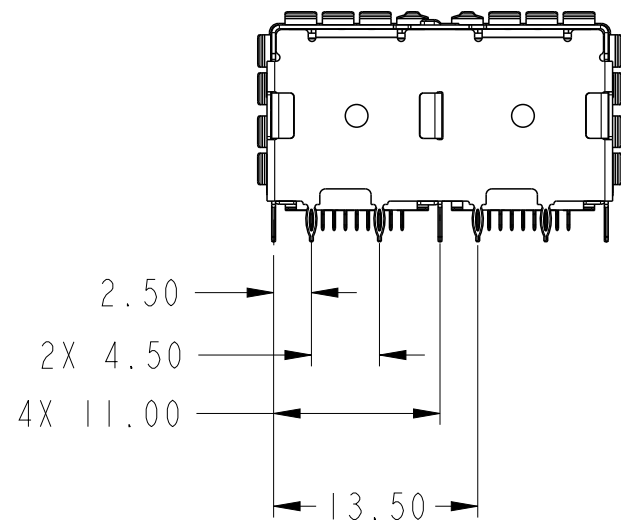
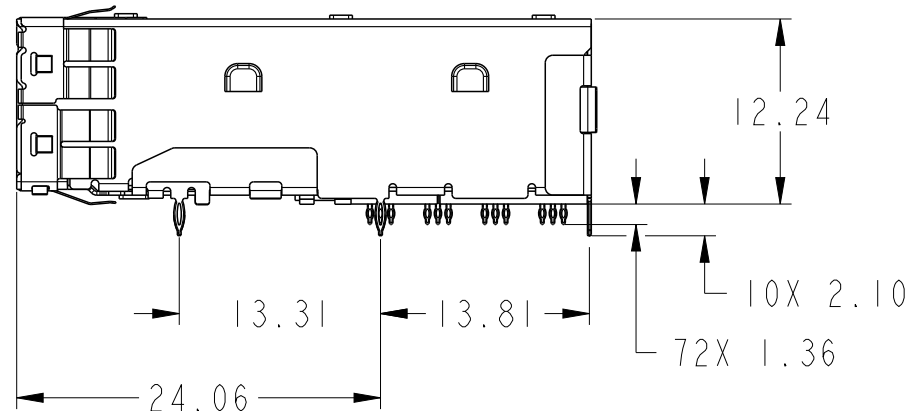


PRODUCT NUMBER	TAIL PLATING OPTION, SEE NOTE 2	DESCRIPTION
10112627-101	OPTION 1	WITHOUT STOPS
10112627-101LF	OPTION 2	WITHOUT STOPS
10112627-102	OPTION 1	WITH STOPS
10112627-102LF	OPTION 2	WITH STOPS



SECTION Z-Z
SCALE 2:1



10112627-101 & 101LF
WITHOUT STOPS

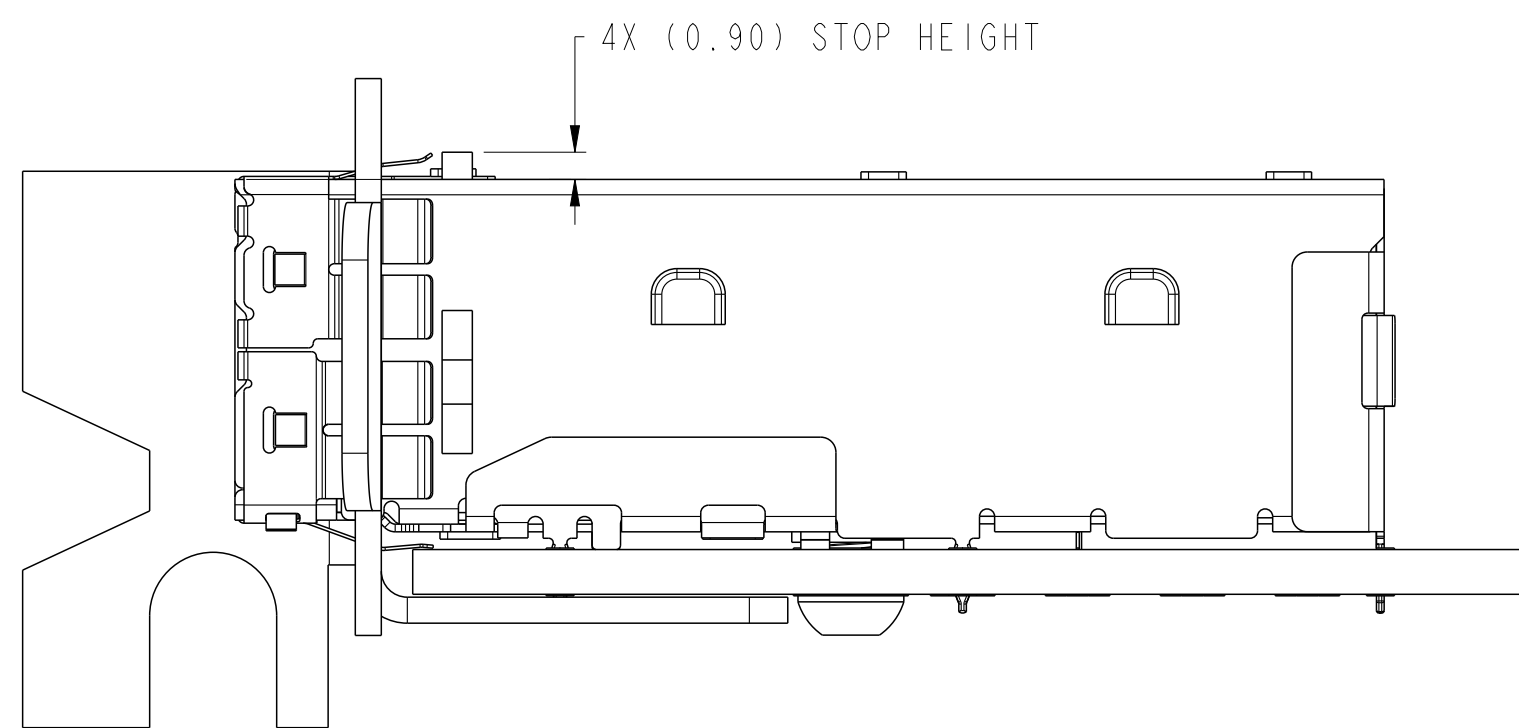
NOTES:

- MATERIALS:
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
GLASS FILLED, UL 94V-0
EMI CAGE: NICKEL SILVER ALLOY
EMI FINGERS: COPPER ALLOY
TERMINALS: COPPER ALLOY
- FINISHES:
EMI FINGERS: 0.50µm MIN NICKEL
CONTACT AREA: 0.76µm MIN GOLD OVER 2.54µm MIN NICKEL
TAIL AREA:
OPTION 1: 0.76µm - 1.52µm TIN/LEAD (90/10) OVER 2.54µm MIN NICKEL
OPTION 2: 0.76µm - 1.52µm TIN (LEAD FREE) OVER 2.54µm MIN NICKEL

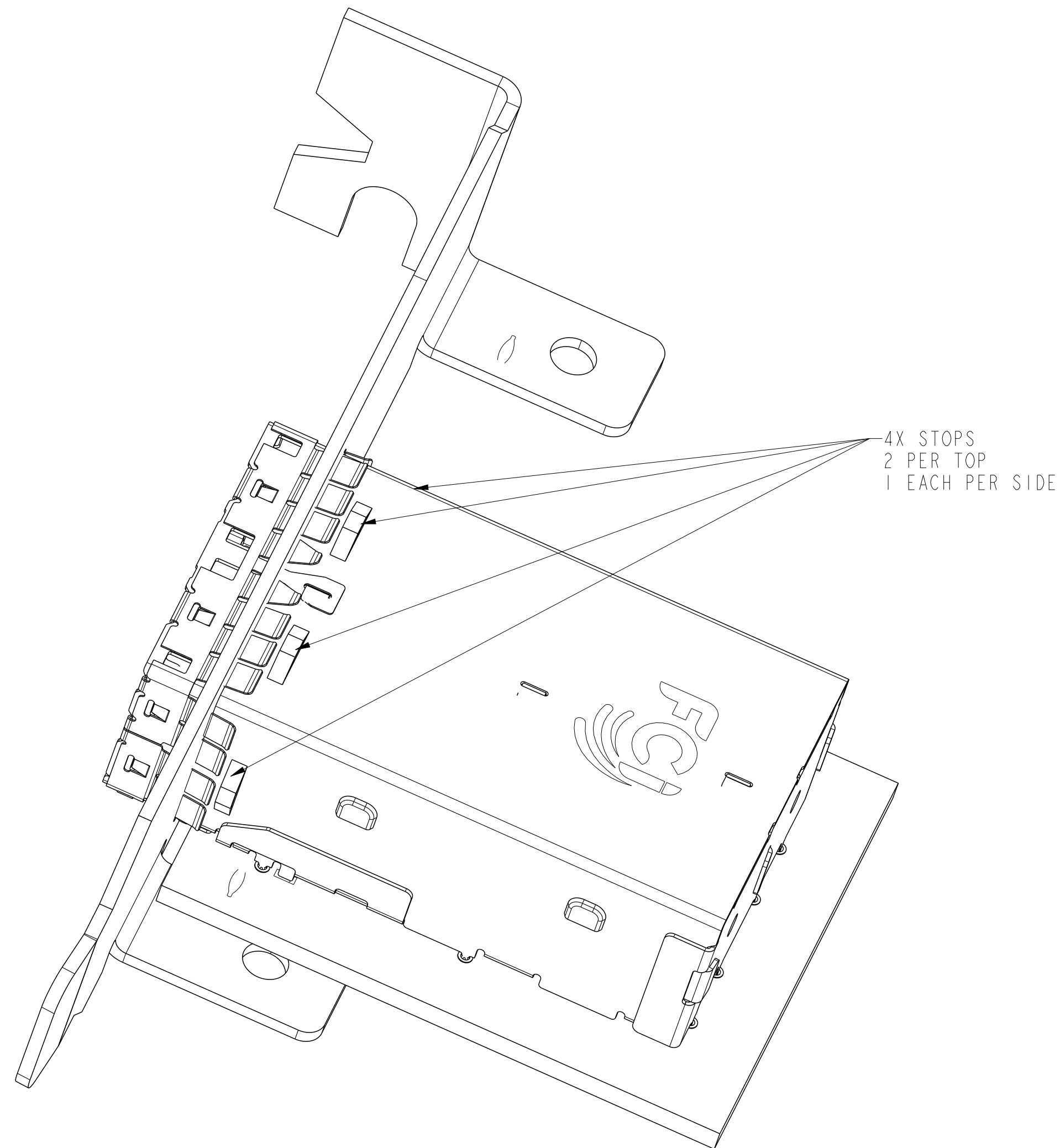
- PRODUCT SPECIFICATION: GS-12-651.
APPLICATION SPECIFICATION: GS-20-0327
- MOUNTING HARDWARE: M2X0.4 BUTTON HEAD SCREW
MOUNTING SCREW LENGTH: BOARD THICKNESS + 1.4mm MAX (0.9mm MIN).
2 REQUIRED PER ASSEMBLY
- THIS CONNECTOR IS DESIGNED TO MEET THE REQUIREMENTS OF
INDUSTRY SPECIFICATION SFF-8644.
- THE USE OF A PCI BRACKET OR EQUIVALENT IS REQUIRED FOR THIS PRODUCT
- A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE THAT
HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

MATES WITH MINI-SAS HD ENDS IN:			
10112041 SERIES (4X)			
10117771 SERIES (4X)			
10117946 SERIES (4X)			
10117949 SERIES (4X)			
10117947 SERIES (8X)			
10112359 SERIES (8X)			
10117950 SERIES (8X)			
10117948 SERIES (8X)			

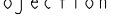
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tolerance std	ASME Y14.5	eng	M Scholeno	2012/09/10	chr	-	ecn no	ELX-V-012260-1	rel level	Released
surface	✓	appr	Brad Brubaker	2012/09/12	product family	MINI-SAS HD	dwg no	10112627	rev	D
ASME Y14.5	linear	angular	0°	±1/2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 7	



ASSEMBLED VIEW
WITH STOPS
SCALE 4:1



10112627-102 & 102LF
WITH STOPS
SCALE 4:1

spec ref		-	dr		Mark Gray	2010/08/04	projection		MM		size	A2	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		M Scholeno	2012/09/10					ecn no	ELX-V-012260-1			
ASME Y14.5			chr		-	-						rel level	Released		
			appr		Brad Brubaker	2012/09/12	product family		MINI-SAS HD						
surface			linear			title	1X2 EXTERNAL ASSEMBLY				dwg no	10112627		rev	D
ASME Y14.5			angular	0°	±1/2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 3 of 7		

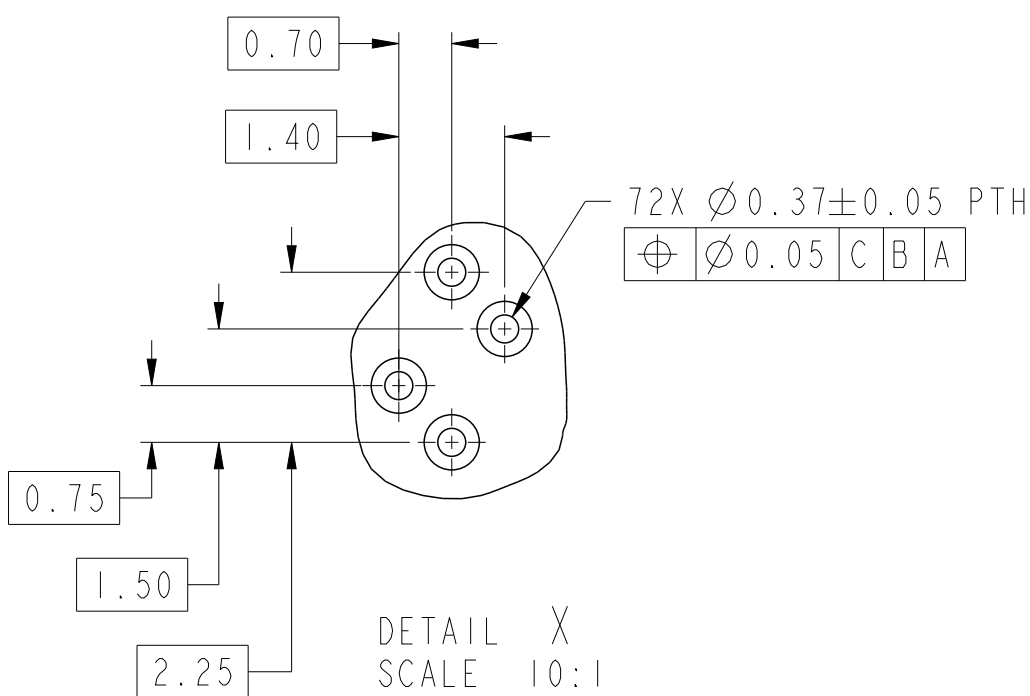
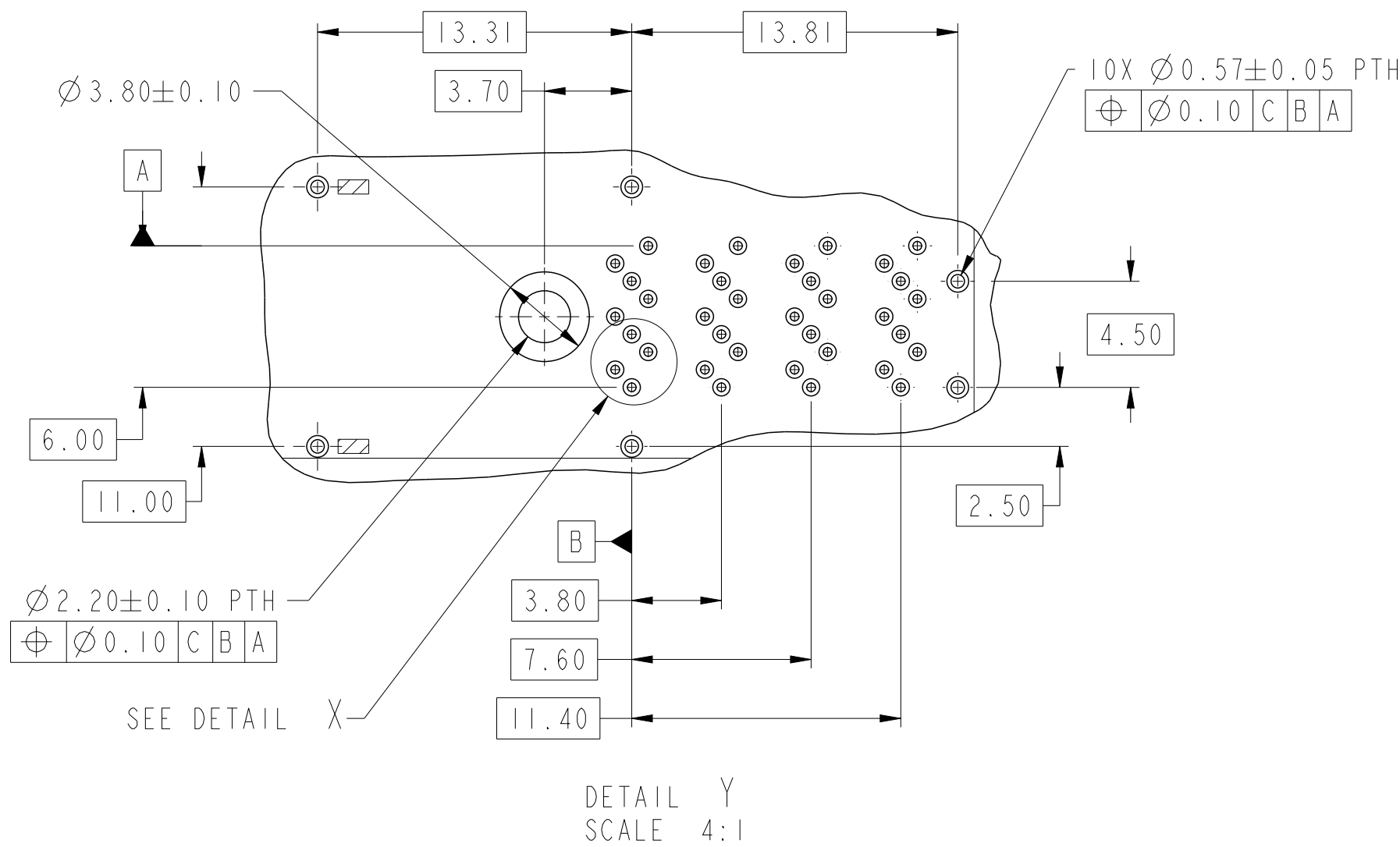
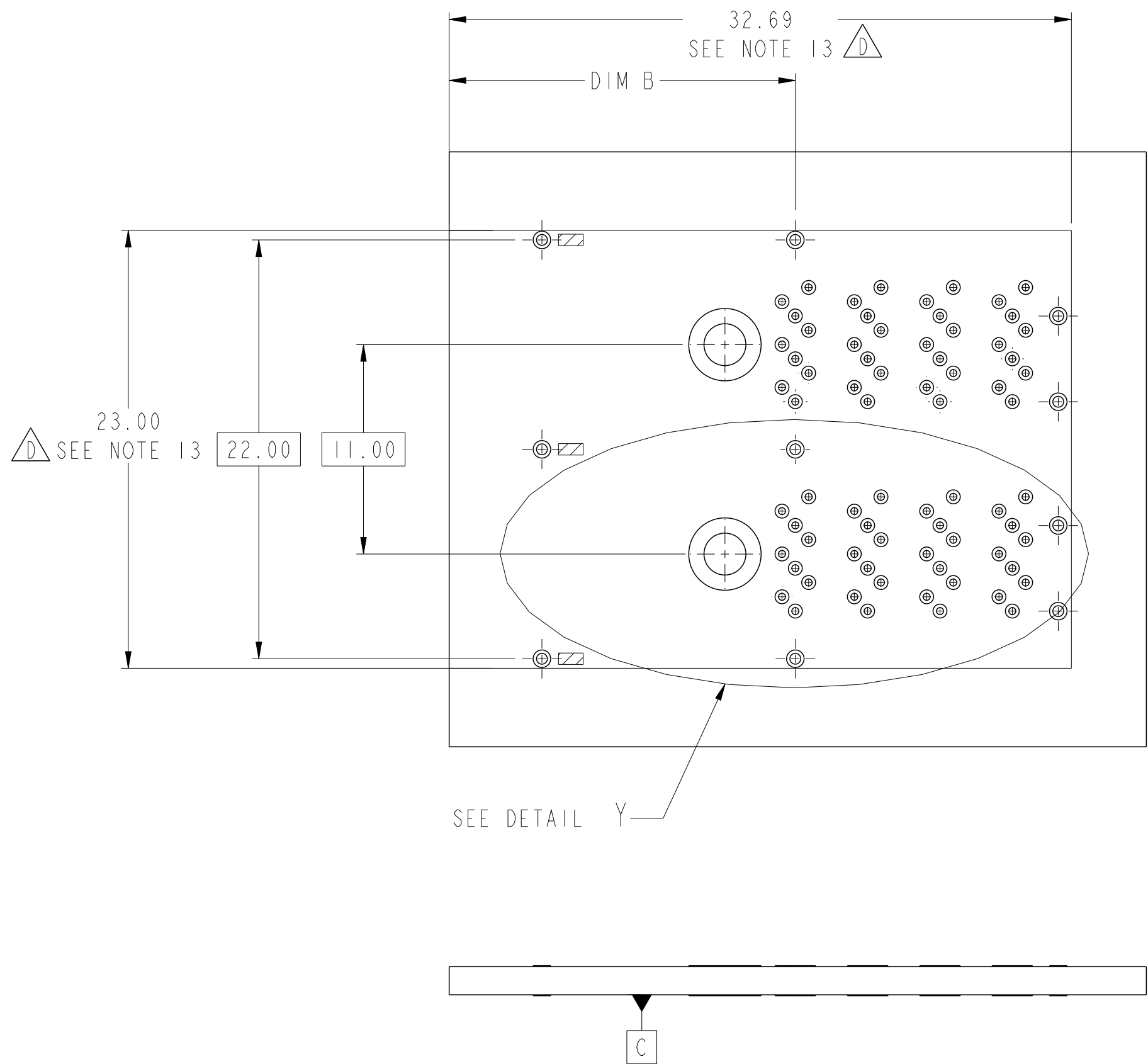
PDS: Rev :D

STATUS:Released

Printed: Sep 13, 2012

APPLICATION	DIM B
PCI ADD-IN CARD	17.10±0.15
ALL OTHER APPLICATIONS	18.19±0.15

RECOMMENDED BOARD LAYOUT



- NOTES:
- RECOMMENDED DRILL SIZE FOR A $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.457$.
 - RECOMMENDED ANNULAR RING AROUND $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.73$.
 - RECOMMENDED DRILL SIZE FOR A $\varnothing 0.57$ FINISHED PTH IS $\varnothing 0.68$.
 - RECOMMENDED ANNULAR RING AROUND $\varnothing 0.57$ FINISHED PTH IS $\varnothing 0.93$.
 - MINIMUM RECOMMENDED CENTER TO CENTER SPACING BETWEEN ADJACENT CONNECTORS: 25.00mm.
 - CONNECTOR KEEP OUT AREA.
 - MINIMUM PCB THICKNESS: 1.57mm.

spec ref	-	dr	Mark Gray	2010/08/04	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	M Scholeno	2012/09/10	chr	-	ecn no	ELX-V-012260-1	rel level	Released
surface	✓	appr	Brad Brubaker	2012/09/12	product family	MINI-SAS HD	rel level	Released	rev	D
ASME Y14.5	linear	0.X	±0.25	0.XX	±0.13	0.XXX	±-	angular	0°	±1/2°
title		IX2 EXTERNAL ASSEMBLY		cat. no.		Product - Customer Drw		sheet 4 of 7		

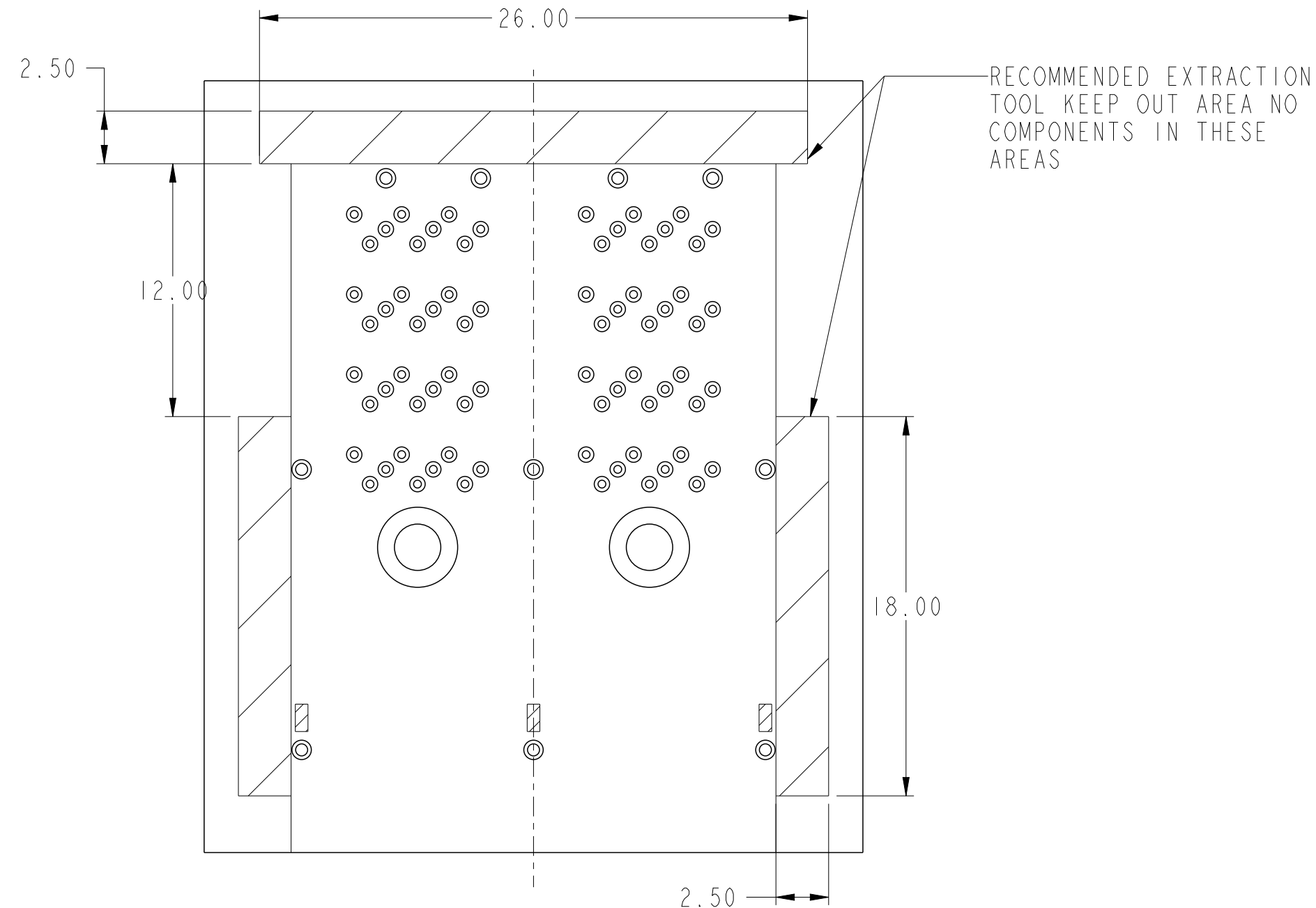
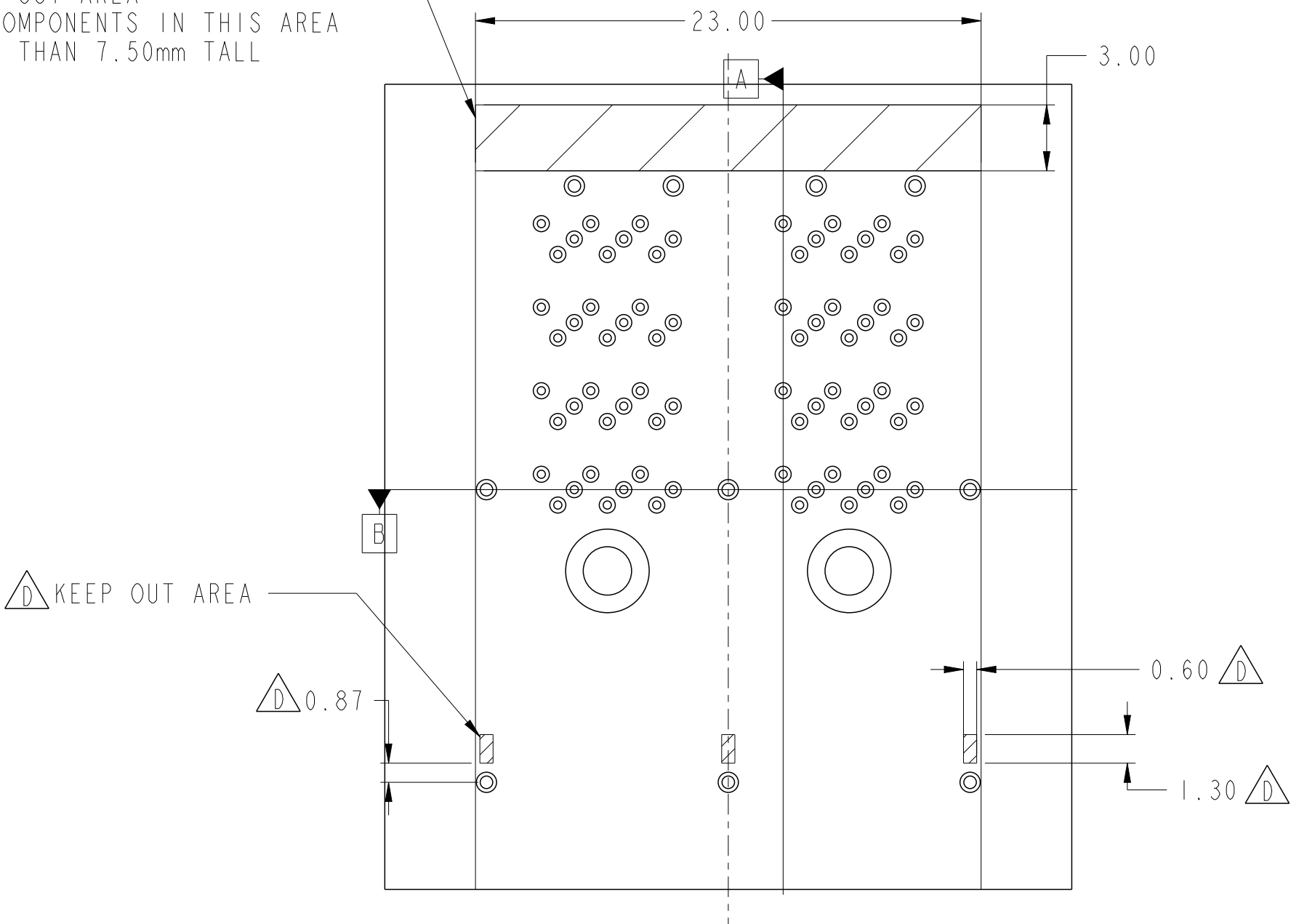
PDS: Rev :D

STATUS:Released

Printed: Sep 13, 2012

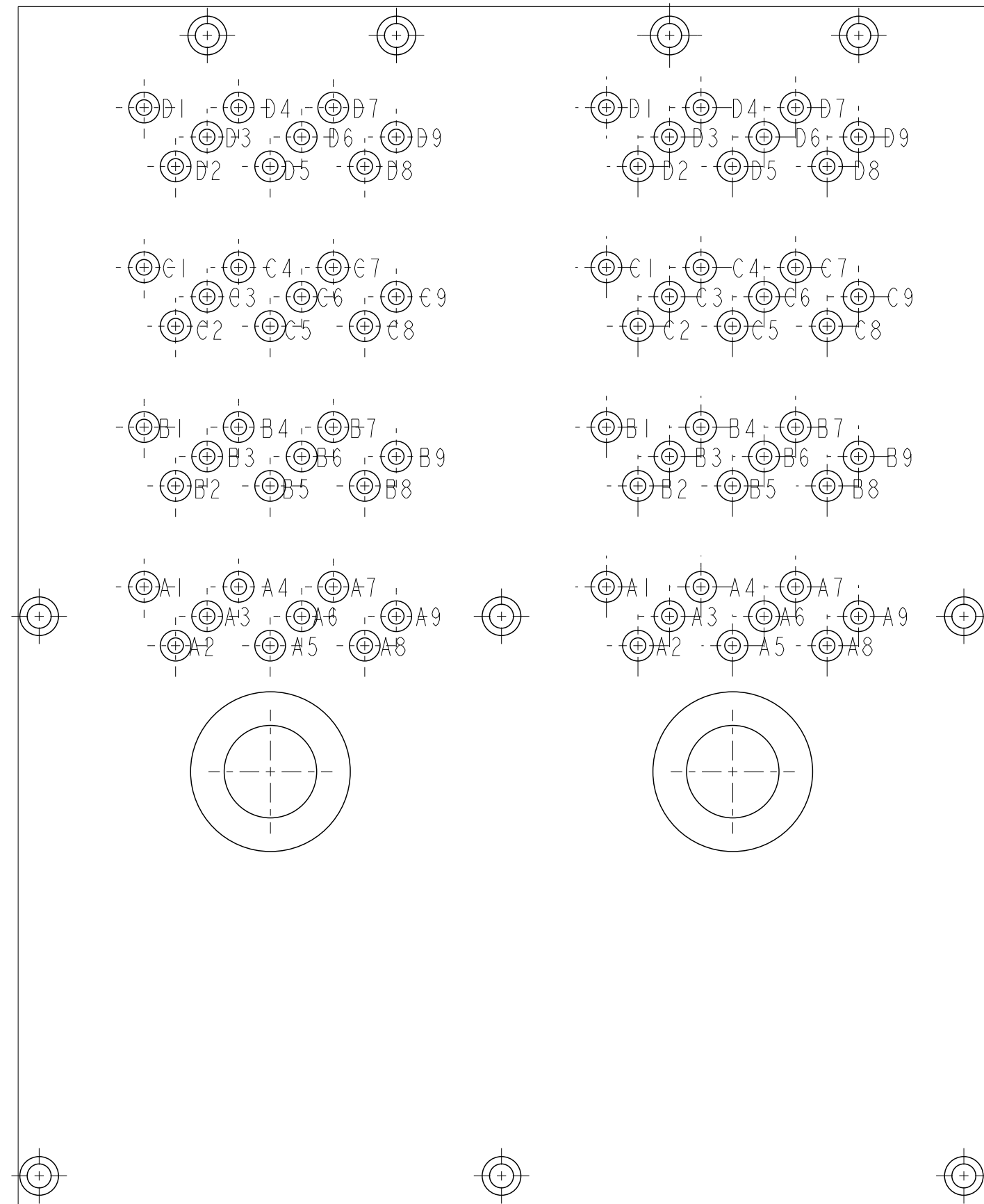
RECOMMENDED TOOLING KEEP OUT AREAS

RECOMMENDED INSERTION TOOL
KEEP OUT AREA
NO COMPONENTS IN THIS AREA
MORE THAN 7.50mm TALL



spec ref	-	dr	Mark Gray	2010/08/04	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	M Scholeno	2012/09/10	chr	-	ecn no	ELX-V-012260-1	rel level	Released
surface	✓	appr	Brad Brubaker	2012/09/12	product family	MINI-SAS HD	dwg no	10112627	rev	D
ASME Y14.5	linear	angular	0°	±1/2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 5 of 7	

PIN OUT DESIGNATIONS



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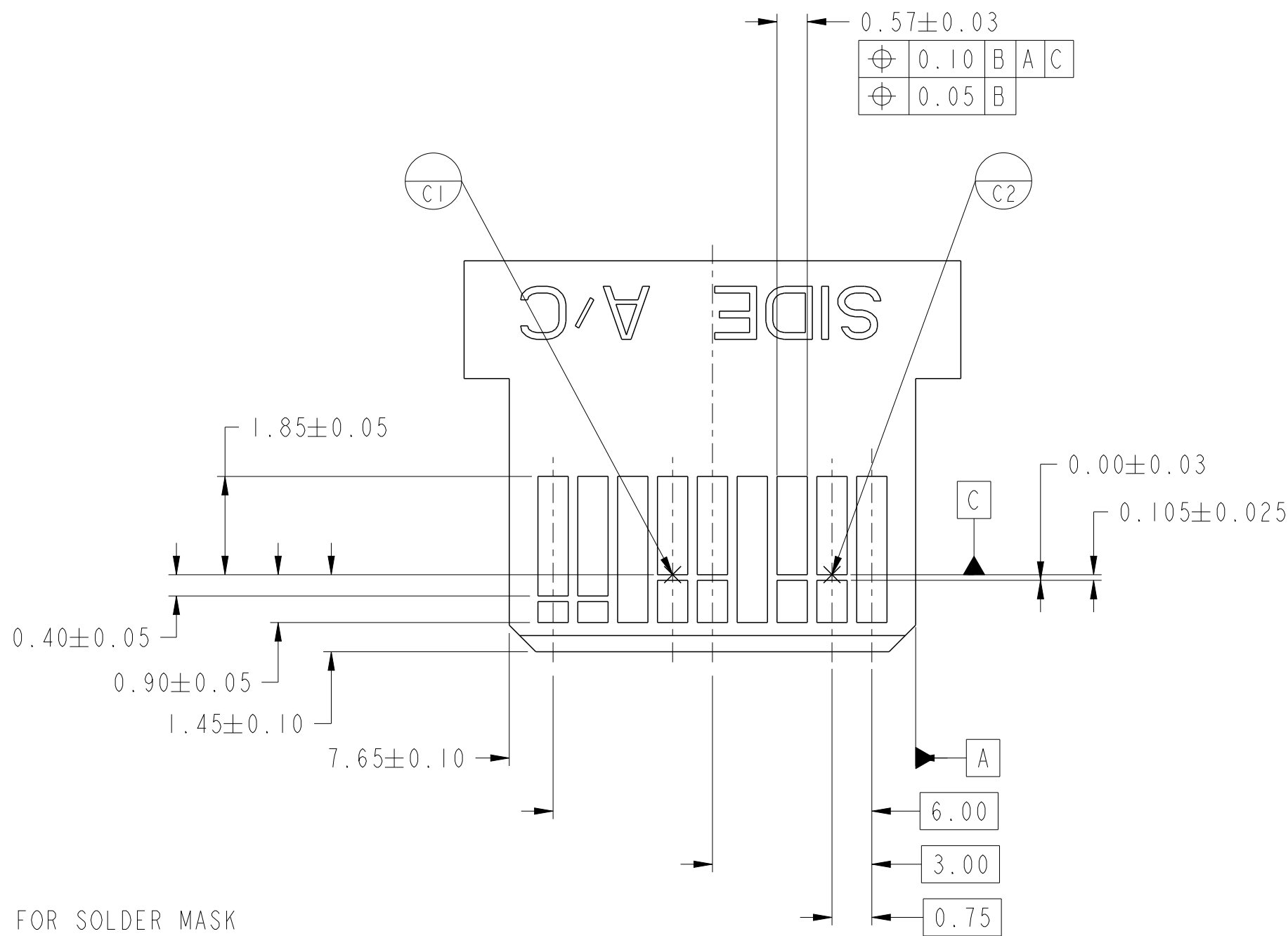
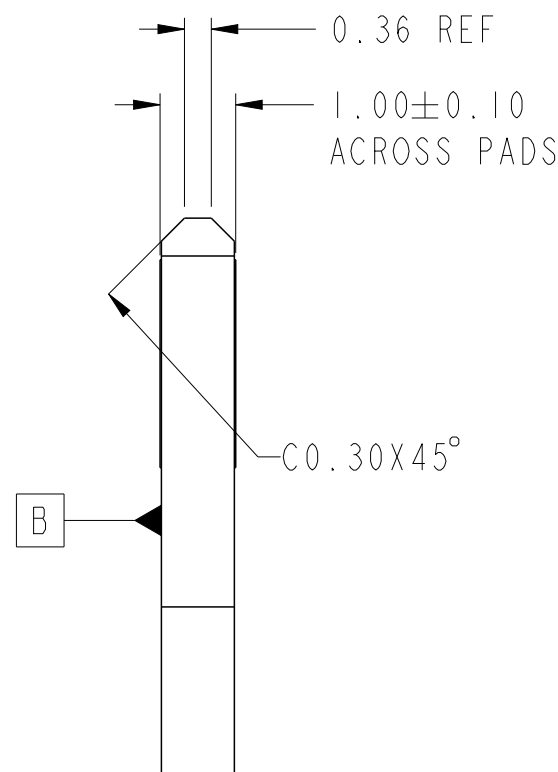
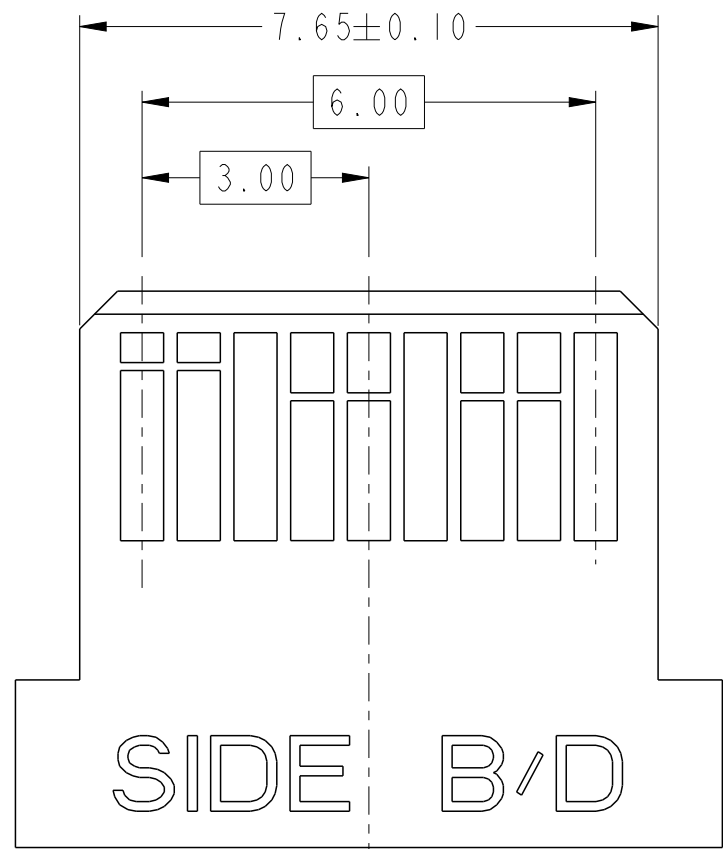
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tolerance std		ASME Y14.5		eng		M Scholeno		2012/09/10						ecn no		ELX-V-012260-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-		rel level						Released							
				appr		Brad Brubaker		2012/09/12		product family		MINI-SAS HD									
surface		✓		linear				title		IX2 EXTERNAL ASSEMBLY		dwg no		10112627		rev		D			
								0.X		±0.25											
								0.XX		±0.13											
ASME Y14.5				angular		0°		±1/2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 6 of 7			

PDS: Rev :D

STATUS:Released

Printed: Sep 13, 2012

A
B
C
D
E
F



- NOTES:
15. 0.05 MINIMUM KEEP OUT FOR SOLDER MASK AROUND ALL PADS.
16. DATUM D TARGETS ARE DEFINED BY THE RESPECTIVE PAD CENTER LINES AND THE LEADING EDGE OF THE TARGET PADS.

spec ref	-	dr	Mark Gray	2010/08/04	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	M Scholeno	2012/09/10	chr	-	ecn no	ELX-V-012260-1	rel level	Released
surface	✓	appr	Brad Brubaker	2012/09/12	product family	MINI-SAS HD	cat. no.	10112627	rev	D
ASME Y14.5	linear	0.X	±0.25	0.XX	±0.13	0.XXX	±-	angular	0°	±1/2°

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title
1X2 EXTERNAL ASSEMBLY
MINI-SAS HD

Product - Customer Drw

sheet 7 of 7