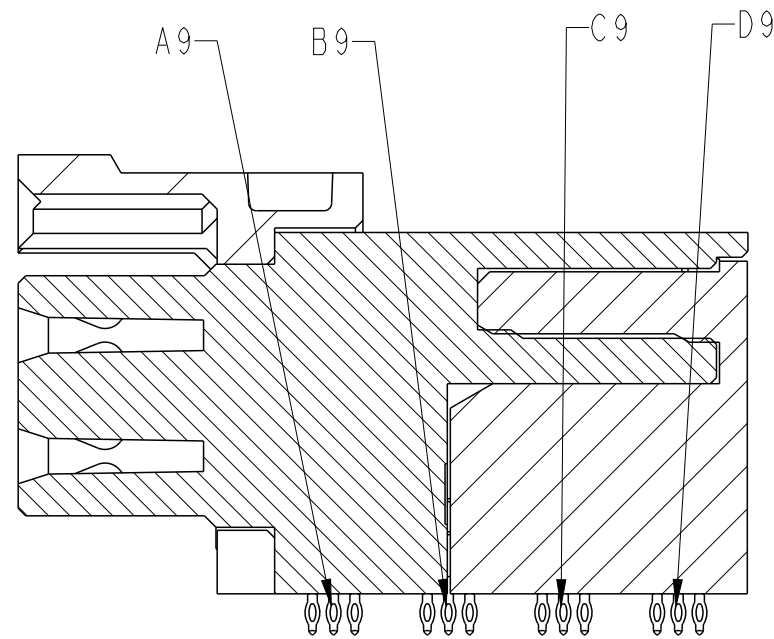
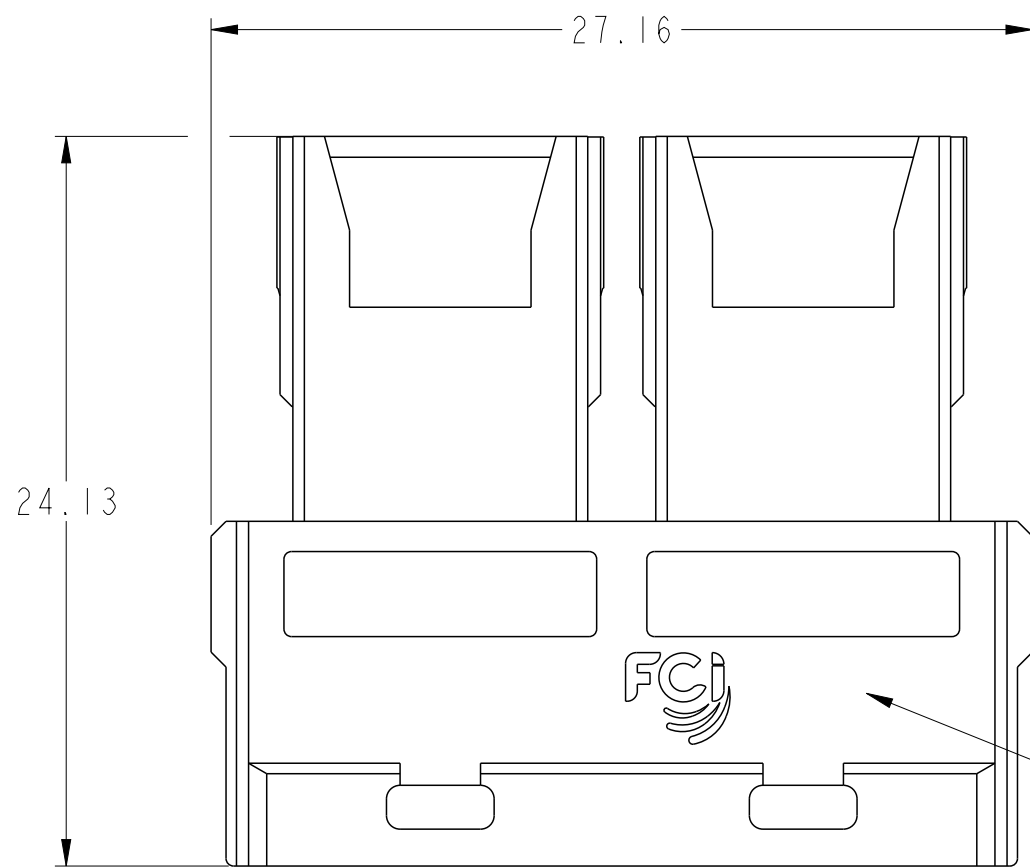
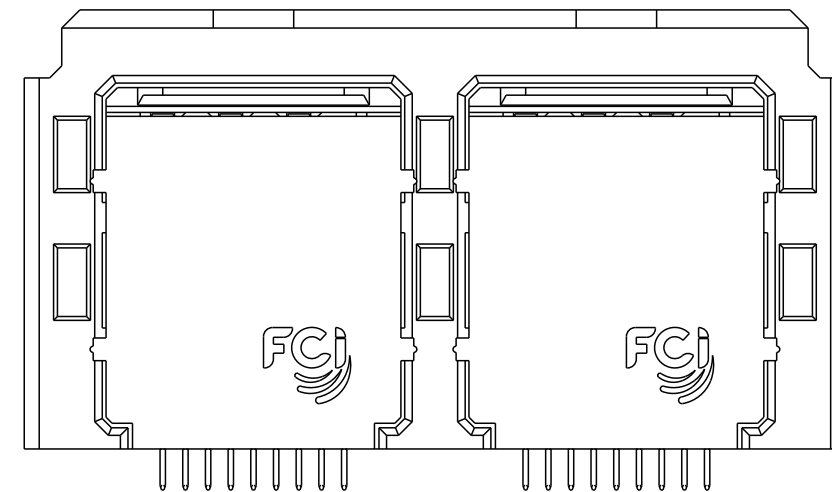
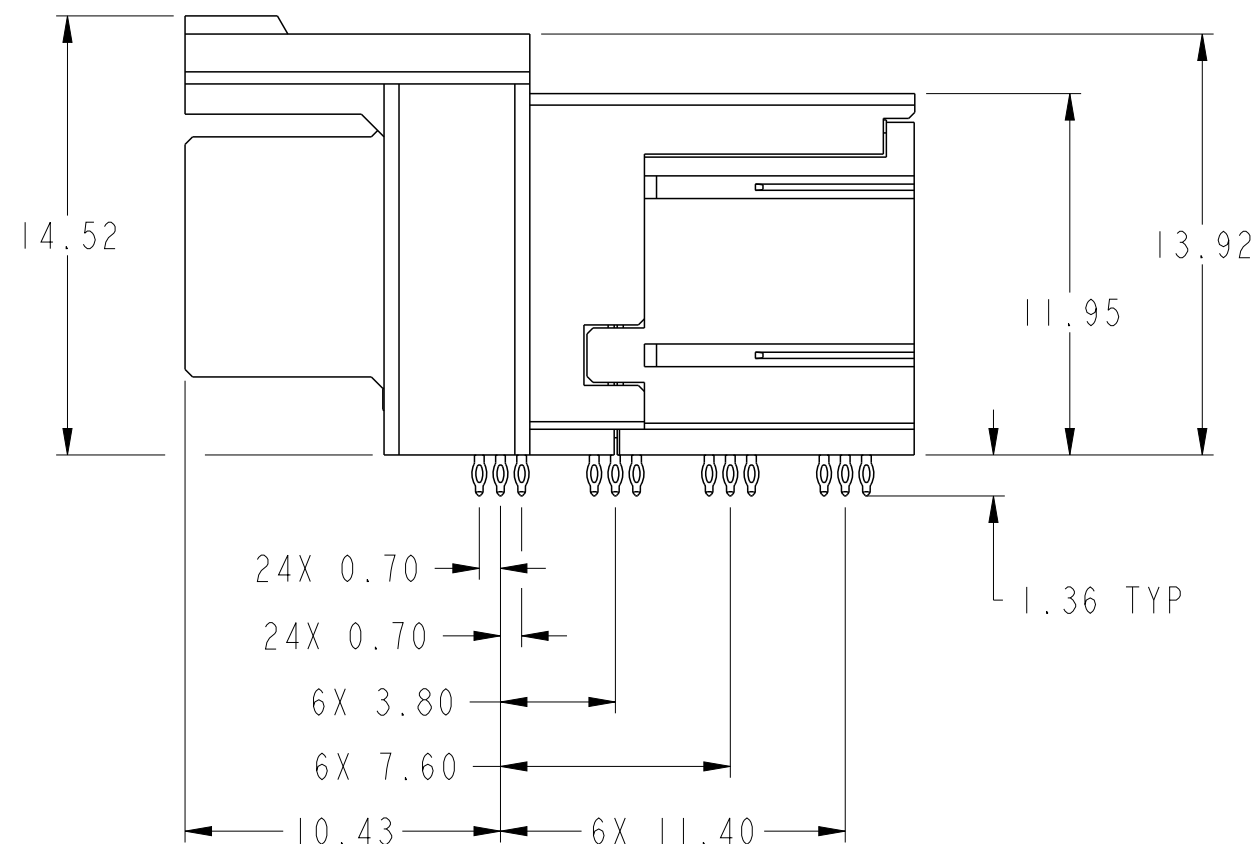
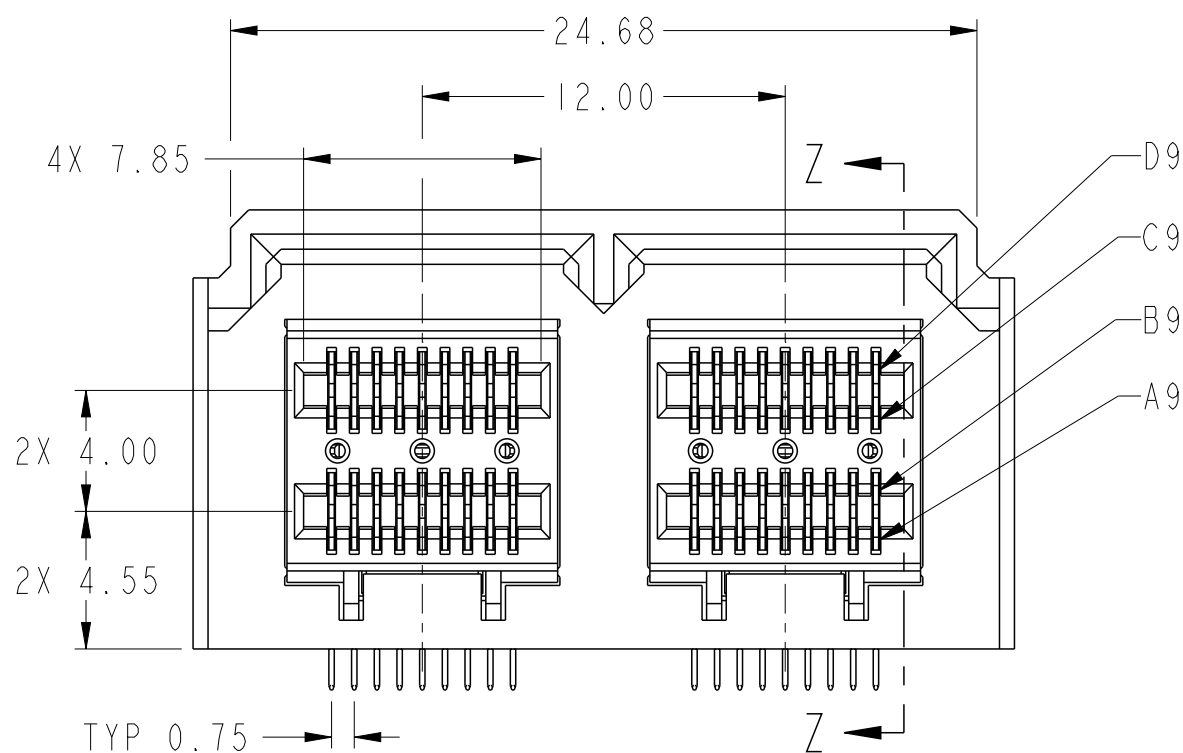
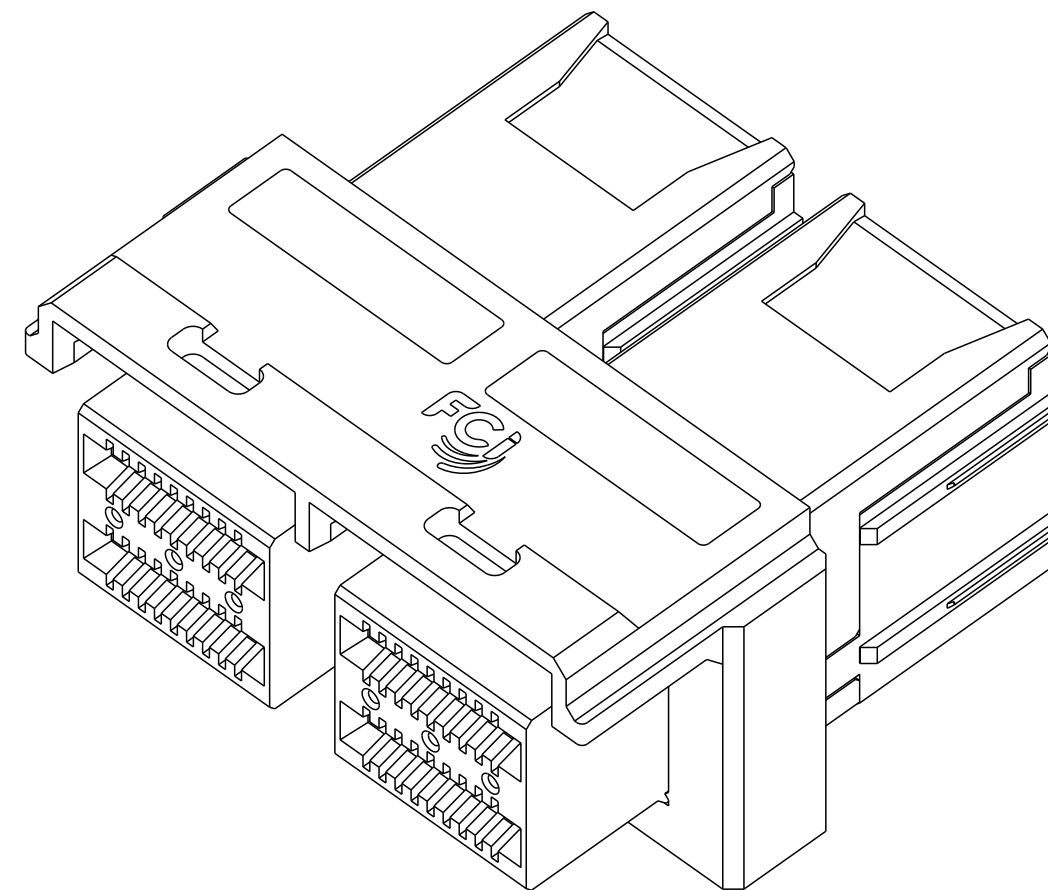


PRODUCT NUMBER	HSG&FRAME COLOR
10130812-101LF	BLACK



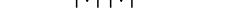
SECTION Z-Z



NOTES:

- MATERIALS:
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
GLASS FILLED, UL 94V-0
TERMINALS: COPPER ALLOY
- FINISHES:
CONTACT AREA: 0.76μm GOLD OVER 2.54μm NICKEL
CONTACT TAIL AREA: 0.76μm - 1.52μm TIN OVER 2.54μm NICKEL.
- PRODUCT SPECIFICATION: GS-12-650.
APPLICATION SPECIFICATION: GS-20-0356
- RECOMMENDED MOUNTING HARDWARE:
OPTION 1: M2 X 0.40mm SELF-THREADING SCREW
OPTION 2: M2 X 0.80mm SELF-THREADING SCREW
OPTION 3: M2 X 0.91mm SELF-THREADING SCREW
RECOMMENDED MOUNTING SCREW LENGTH: PCB THICKNESS + 2.5±0.35mm.
- THIS CONNECTOR IS DESIGNED TO MEET THE REQUIREMENTS OF
INDUSTRY SPECIFICATION SFF-8643.
- A $\triangle$ 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:	
10119217 SERIES (4i)	
10119312 SERIES (4i)	
10120086 SERIES (4i)	
10120087 SERIES (4i)	
10119576 SERIES (8i)	
10119577 SERIES (8i)	
10120088 SERIES (8i)	
10120089 SERIES (8i)	

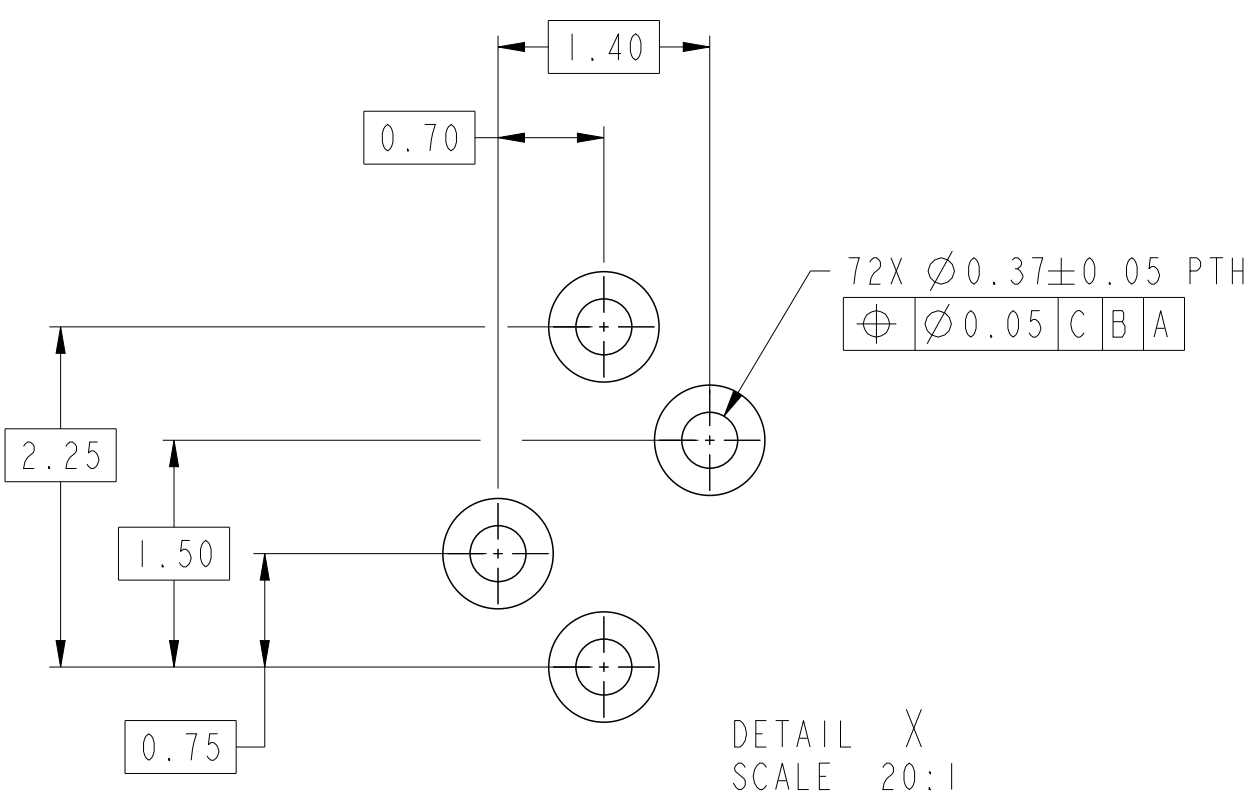
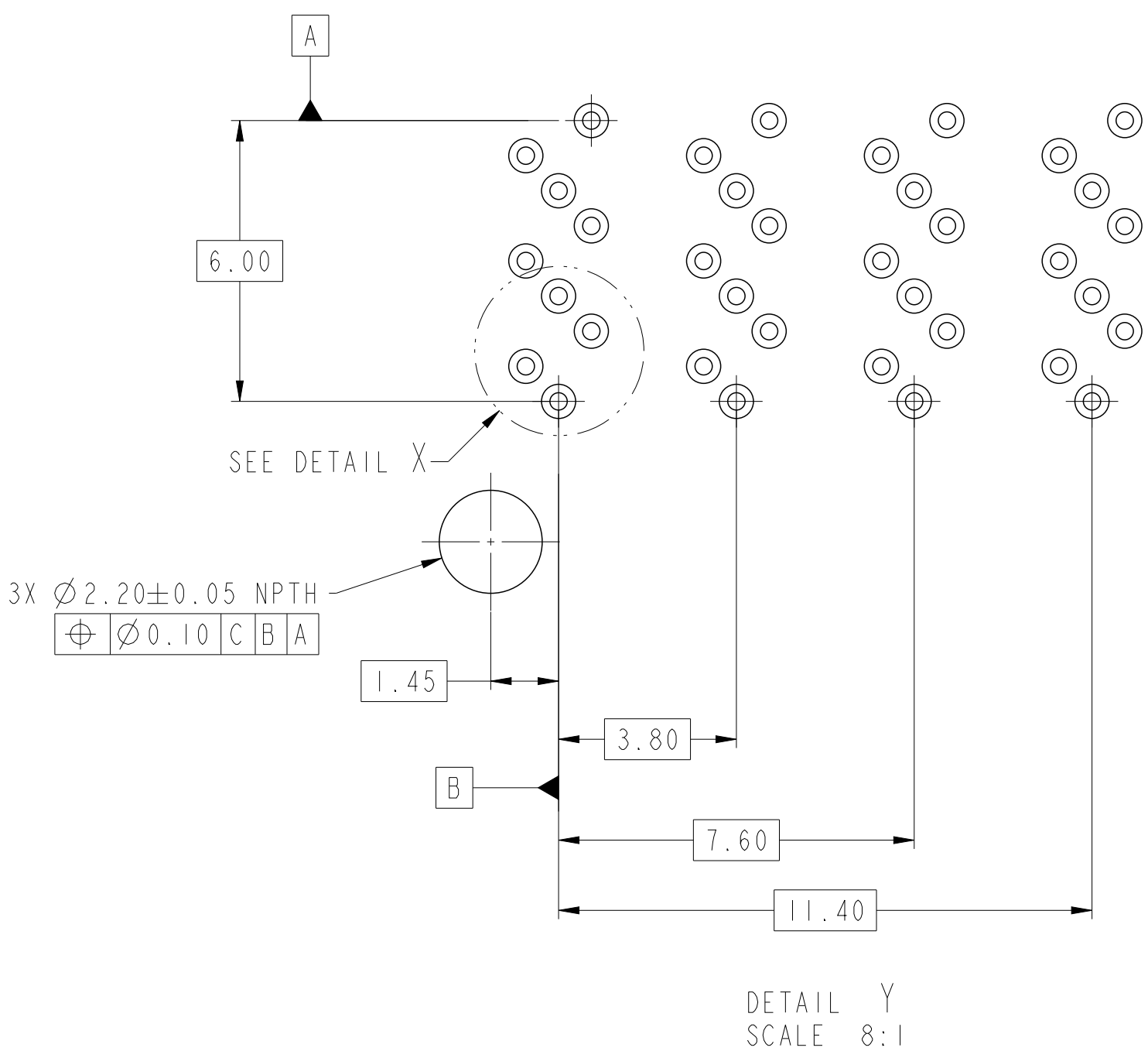
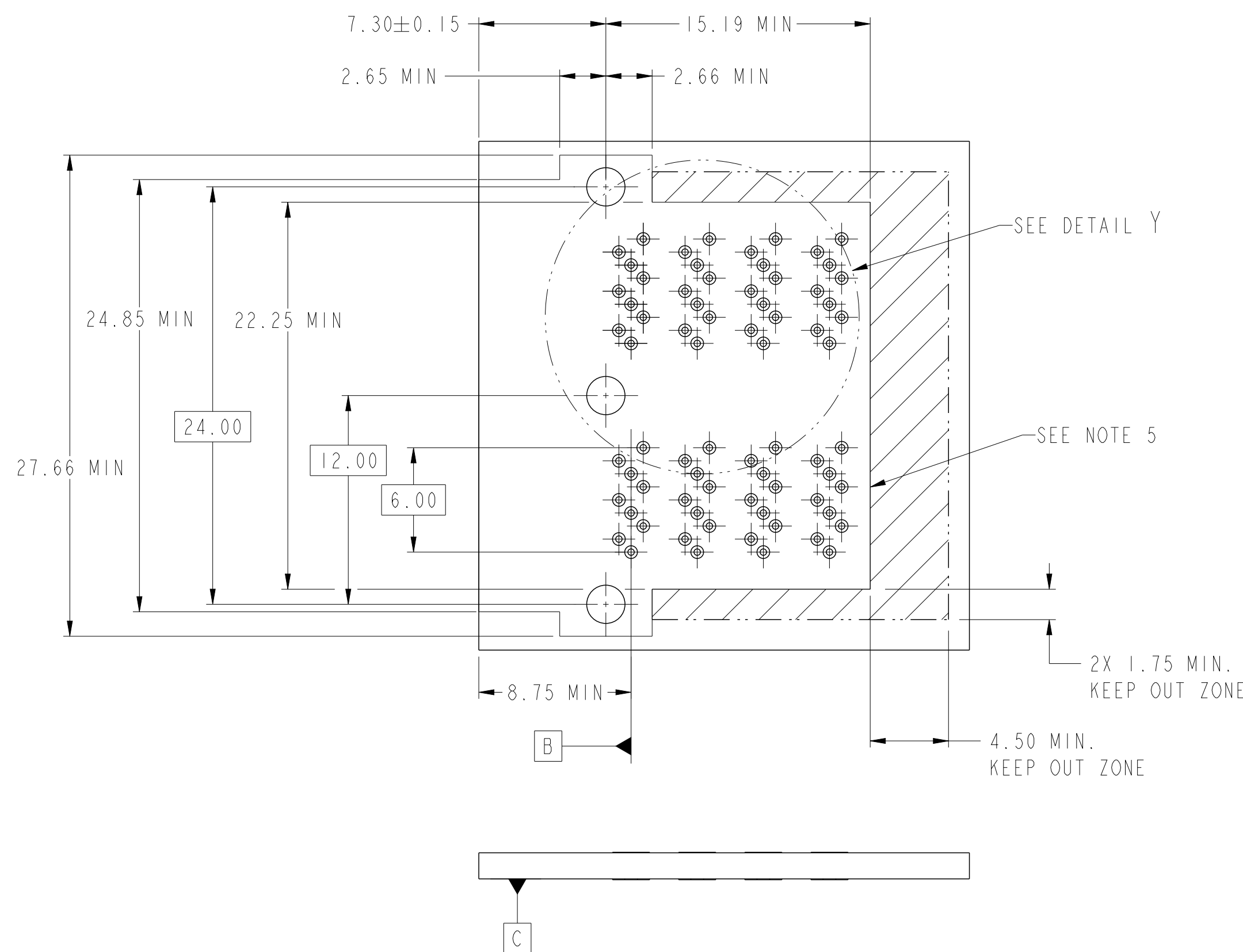
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Jackbin Zou	2014/12/18	ecn no	-			rel level	Released			
ASME Y14.5		chr	-	-	product family						MINI-SAS HD		
-		appr	Collins Lu	2014/12/18									
surface  ASME Y14.5	linear	0.X	±0.35	FCi  www.fci.com	title			IX2 INTERNAL ASSEMBLY	dwg no	10130812		rev	A
		0.XX	±0.25										
	0.XXX	±-											
	angular	0°	±2°	cat. no.	-	Product - Customer Drw			sheet 1 of 4				

PDS: Rev :A

STATUS:Released

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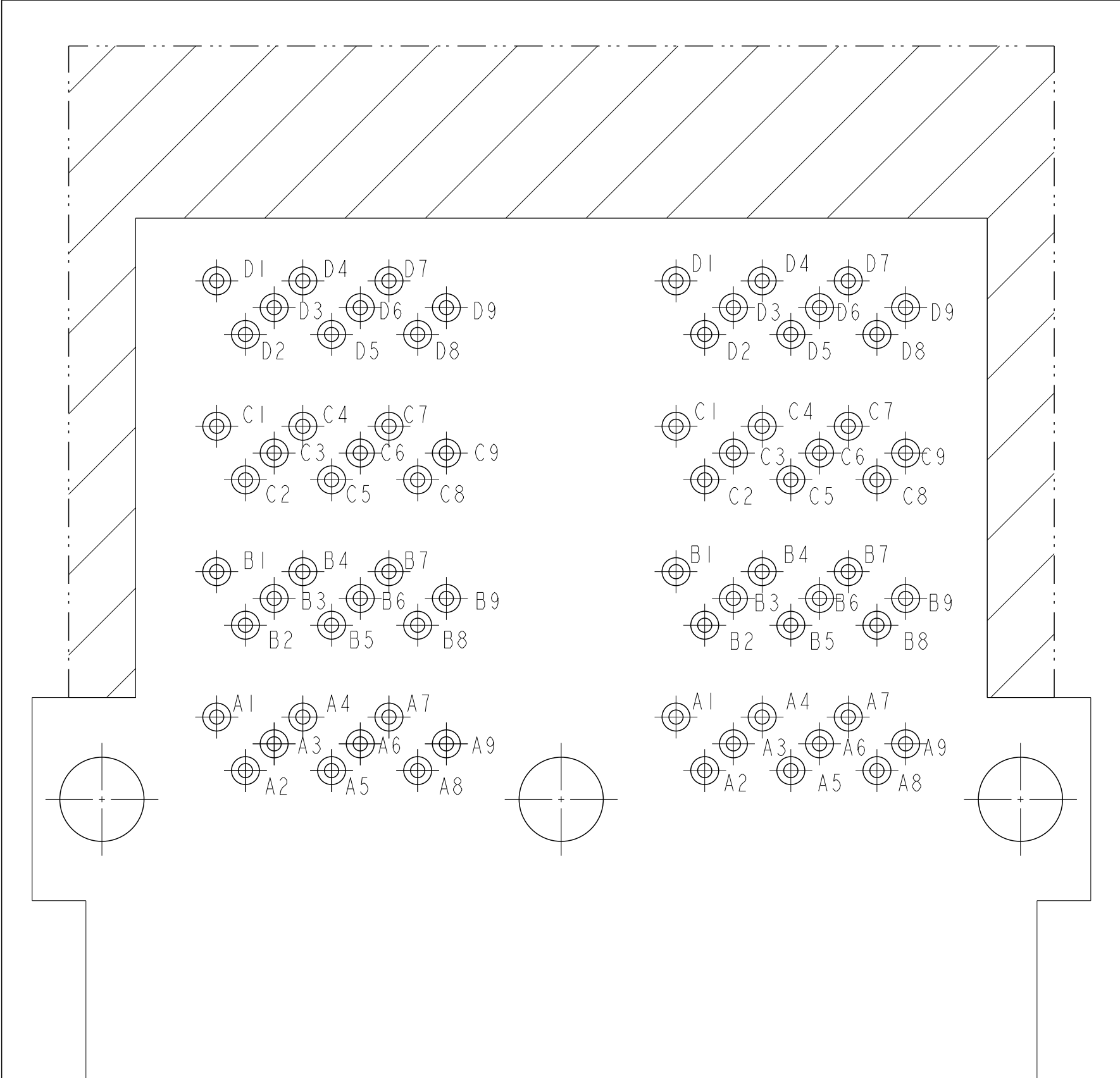
RECOMMENDED PC BOARD LAYOUT



NOTES:

1. RECOMMENDED DRILL SIZE FOR A $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.457$ (#77 DRILL).
2. RECOMMENDED ANNULAR RING AROUND $\varnothing 0.37$ FINISHED PTH IS $\varnothing 0.73$.
3. MINIMUM RECOMMENDED SPACING : 14.00 mm.
4. MINIMUM PCB THICKNESS : 1.57 mm.
5. CONNECTOR KEEP OUT AREA.

spec ref		-		dr		Jackbin Zou		2014/07/07		projection		MM		size		A2		scale		2:1	
tolerance std		ASME Y14.5		eng		Jackbin Zou		2014/12/18		chr		-		-		ecn no		-			
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Collins Lu		2014/12/18		product family		MINI-SAS HD		rel level		Released					
surface		- ✓		linear		0.X		±0.35		FCI		title		1X2 INTERNAL ASSEMBLY		dwg no		10130812		rev	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 4				A	



PIN OUT DESIGNATIONS



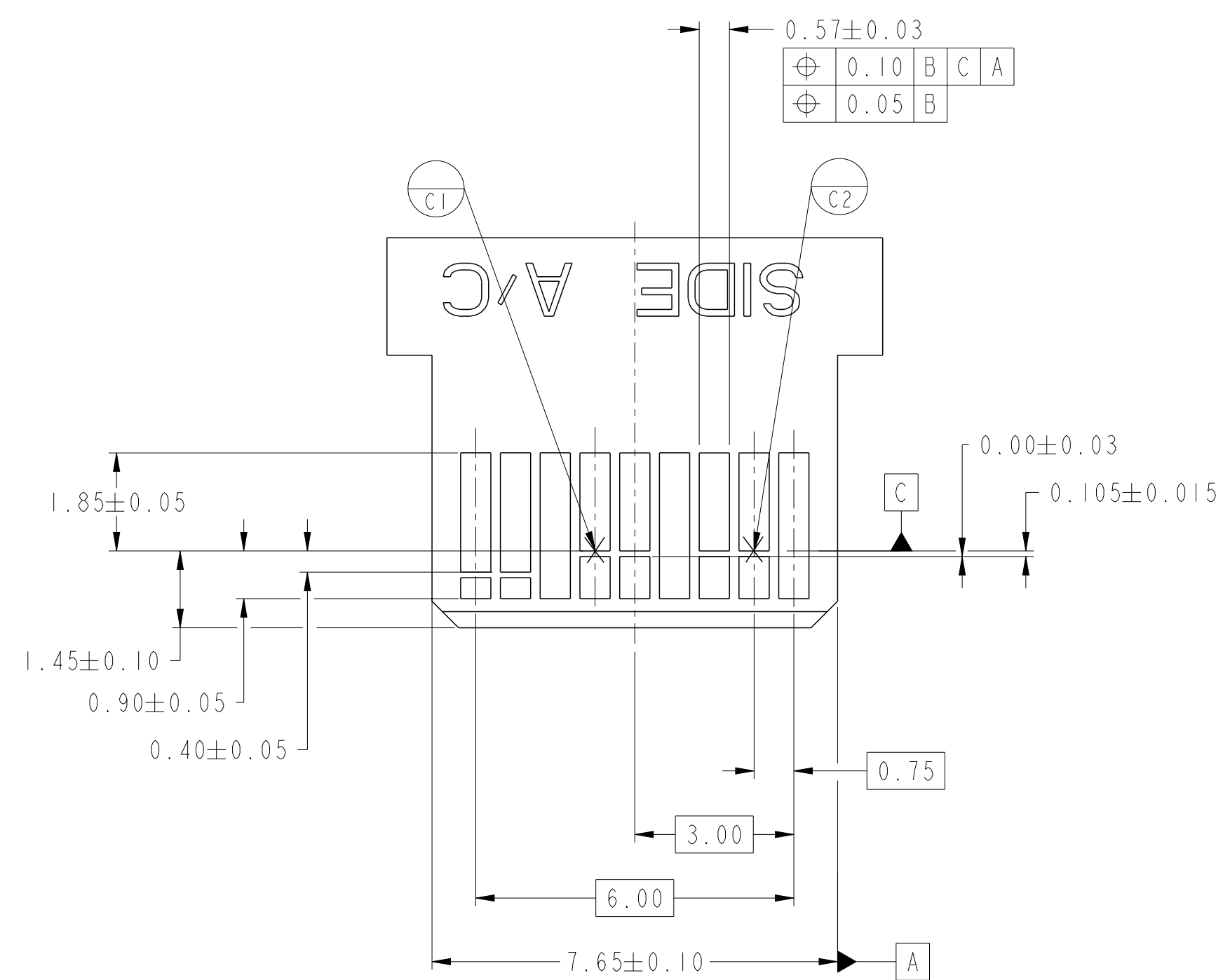
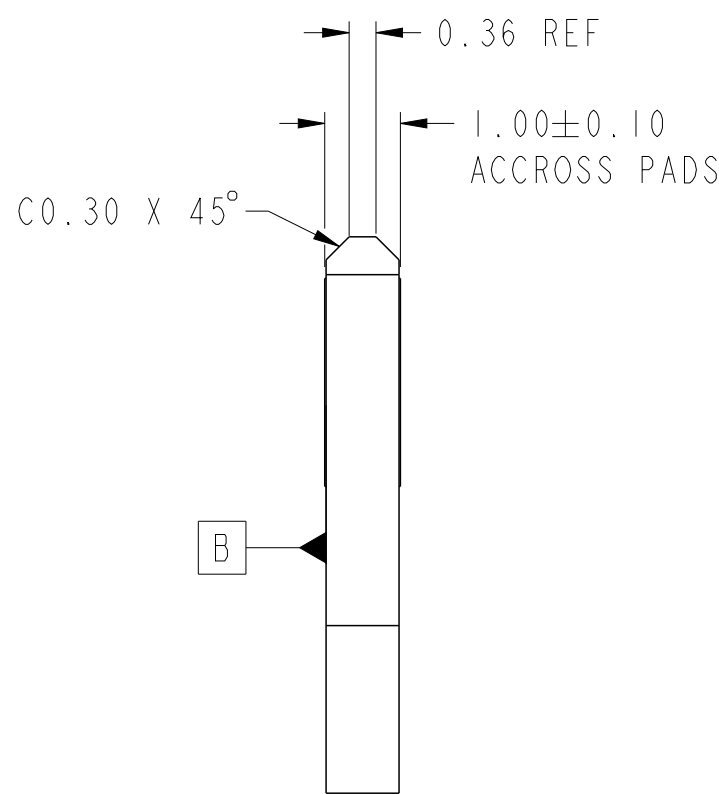
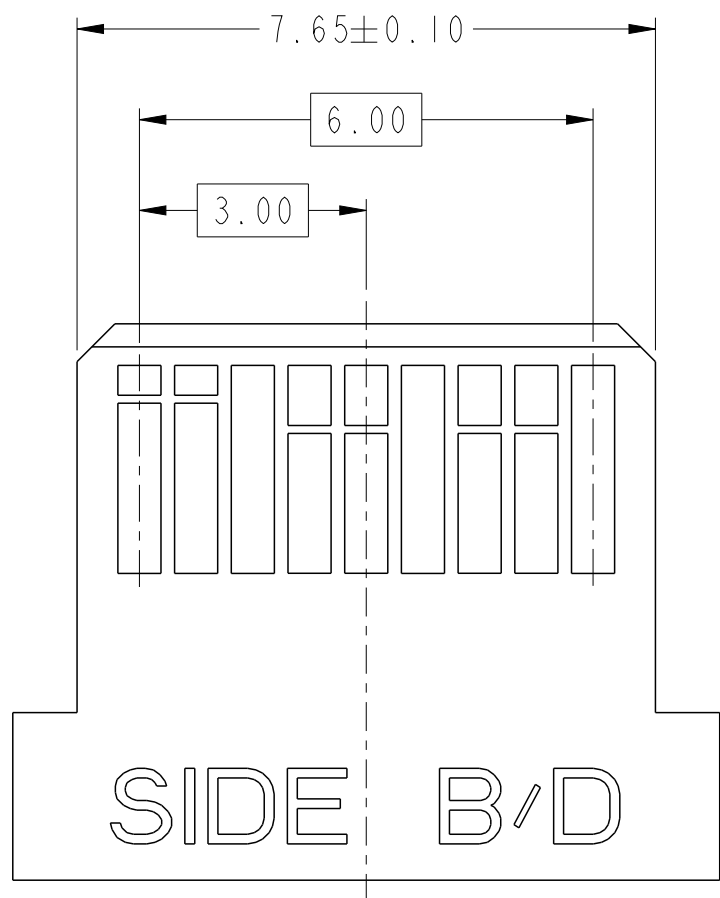
Copyright FCI.

spec ref -				dr Jackbin Zou 2014/07/07		projection		MM		size A2		scale 2:1	
tolerance std ASME Y14.5 -				eng Jackbin Zou 2014/12/18						ecn no -			
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr -						rel level Released			
				appr Collins Lu 2014/12/18		product family MINI-SAS HD							
surface		linear		0.X ±0.35				title IX2 INTERNAL ASSEMBLY		dwg no 10130812		rev A	
		0.XX ±0.25											
		0.XXX ±-											
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 3 of 4	

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NOTES:

- 1. 0.05 MINIMUM KEEP OUT SOLDER MASK AROUND ALL PADS.
- 2. DATUM C TARGETS ARE DEFINED BY THE RESPECTIVE PAD CENTER LINES AND THE LEADING EDGE OF THE TARGET PADS.

spec ref -		dr Jackbin Zou 2014/07/07		projection	MM	size A2	scale 2:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Jackbin Zou 2014/12/18			ecn no -	
			chr - -			rel level Released	
			appr Collins Lu 2014/12/18				product family MINI-SAS HD
surface	linear	0.X ±0.35	IX2 INTERNAL ASSEMBLY MINI-SAS HD	dwg no 10130812	rev A		
		0.XX ±0.25					
	ASME Y14.5	angular 0° ±2°				www.fci.com	cat. no. - Product- Customer Drw