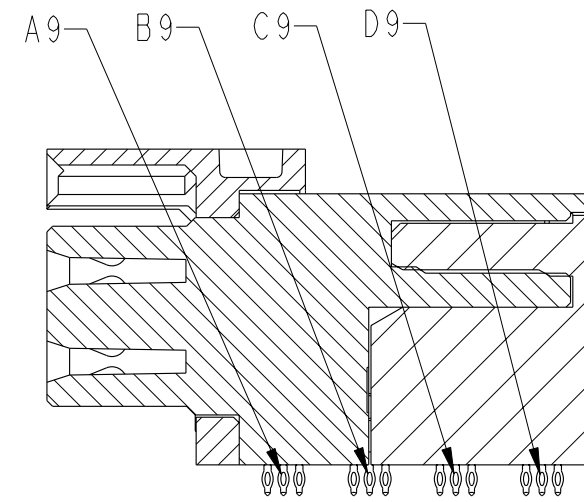
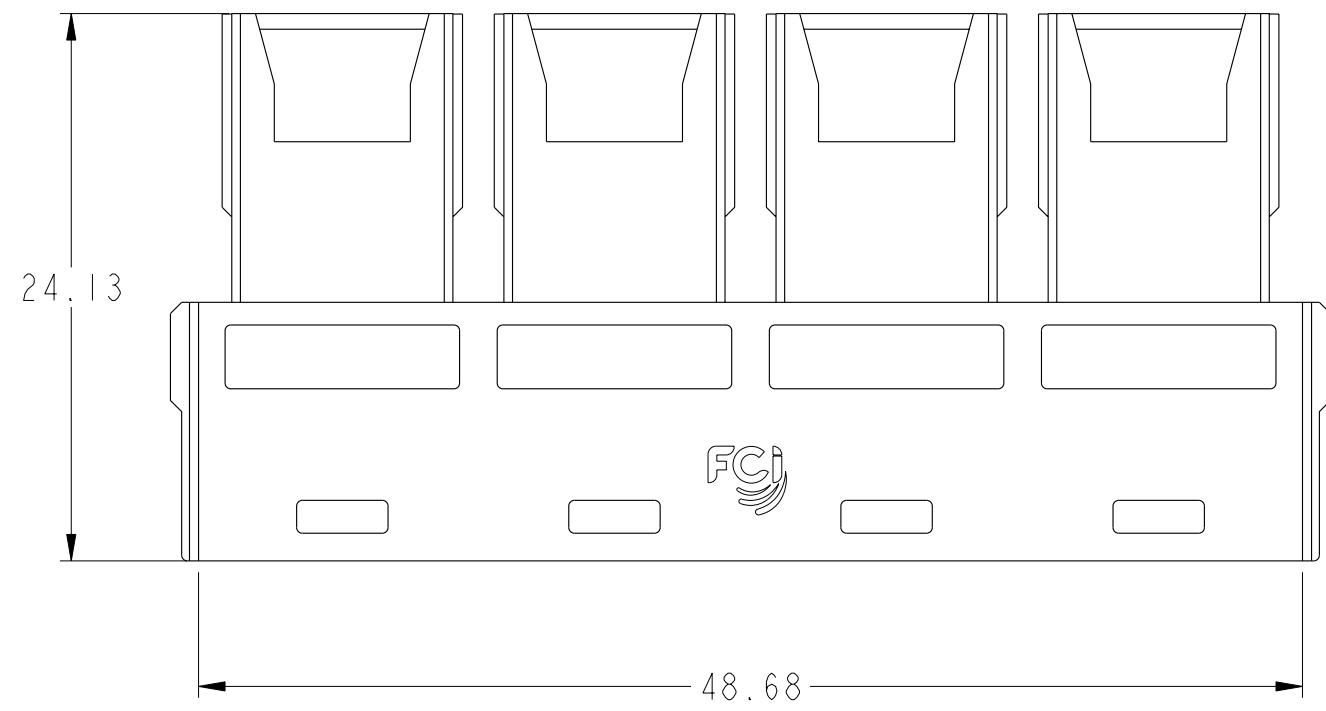
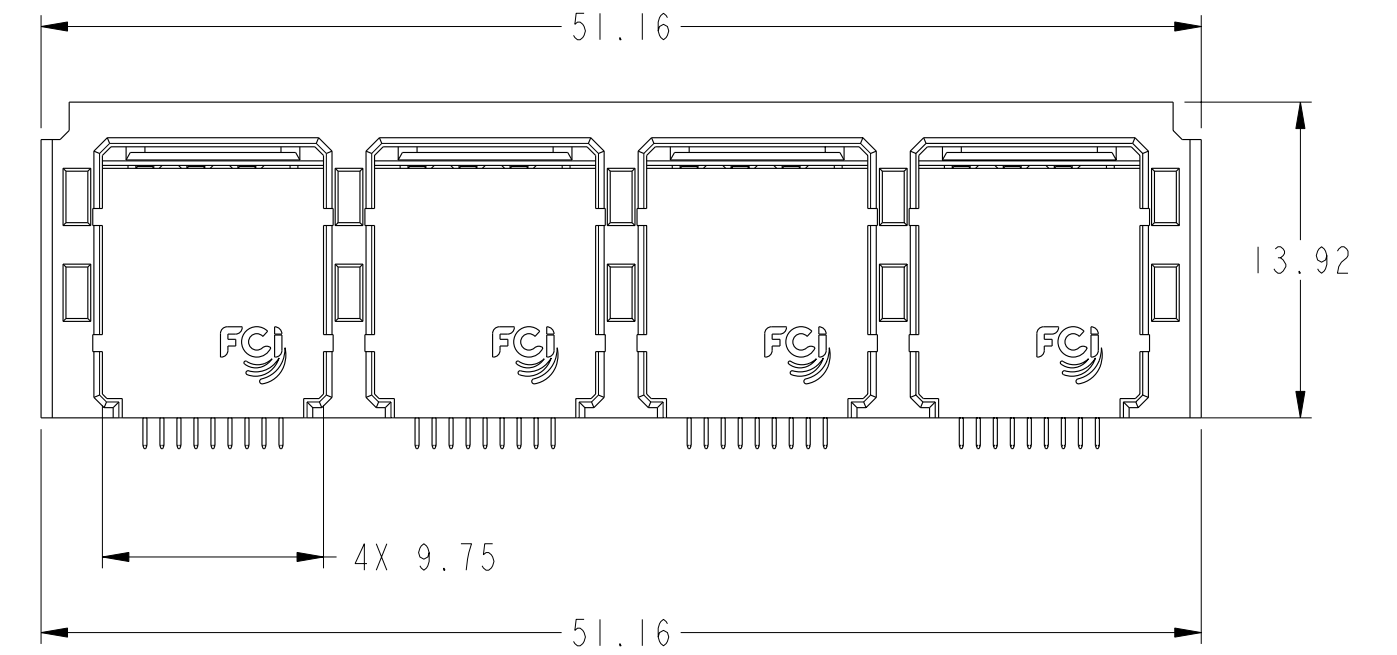
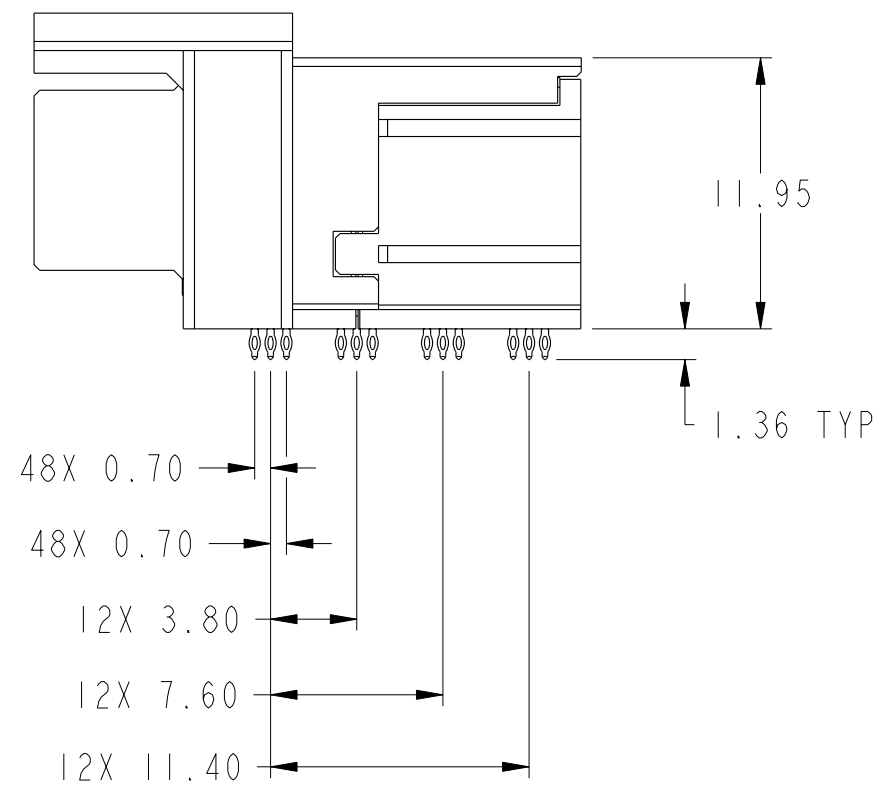
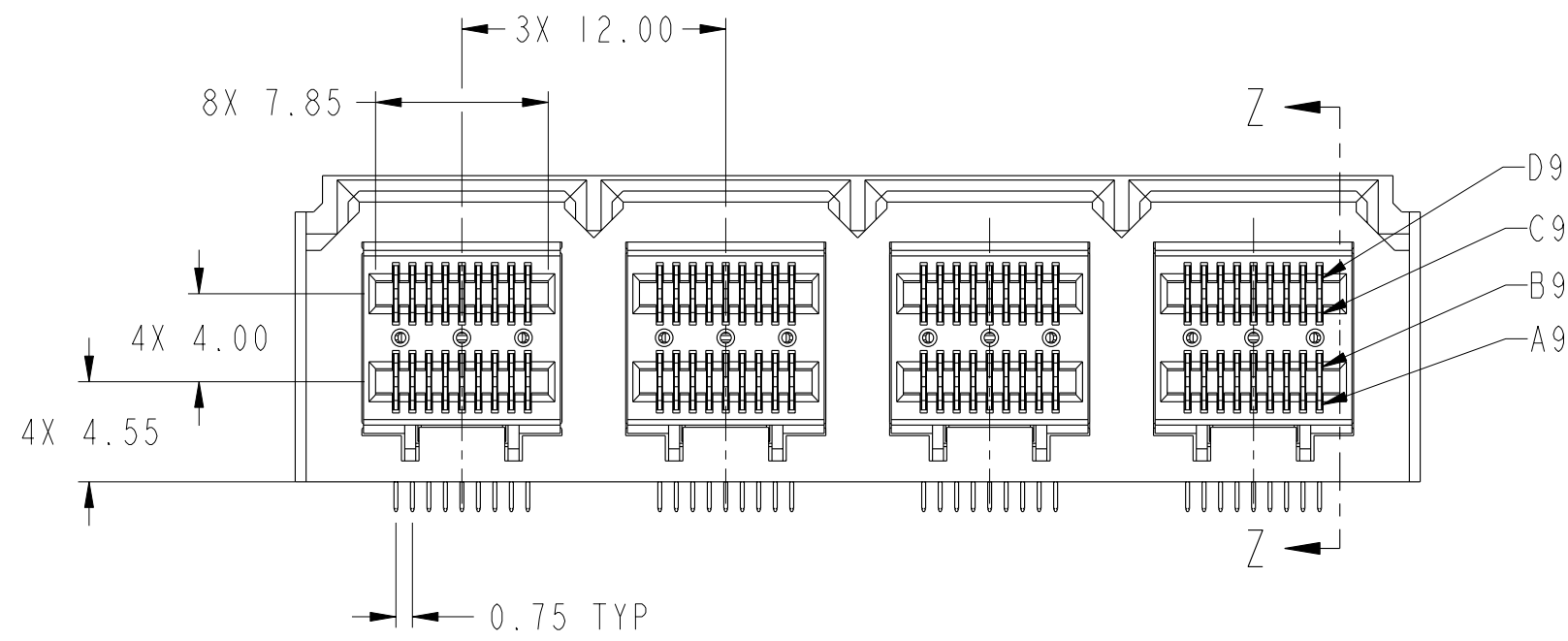
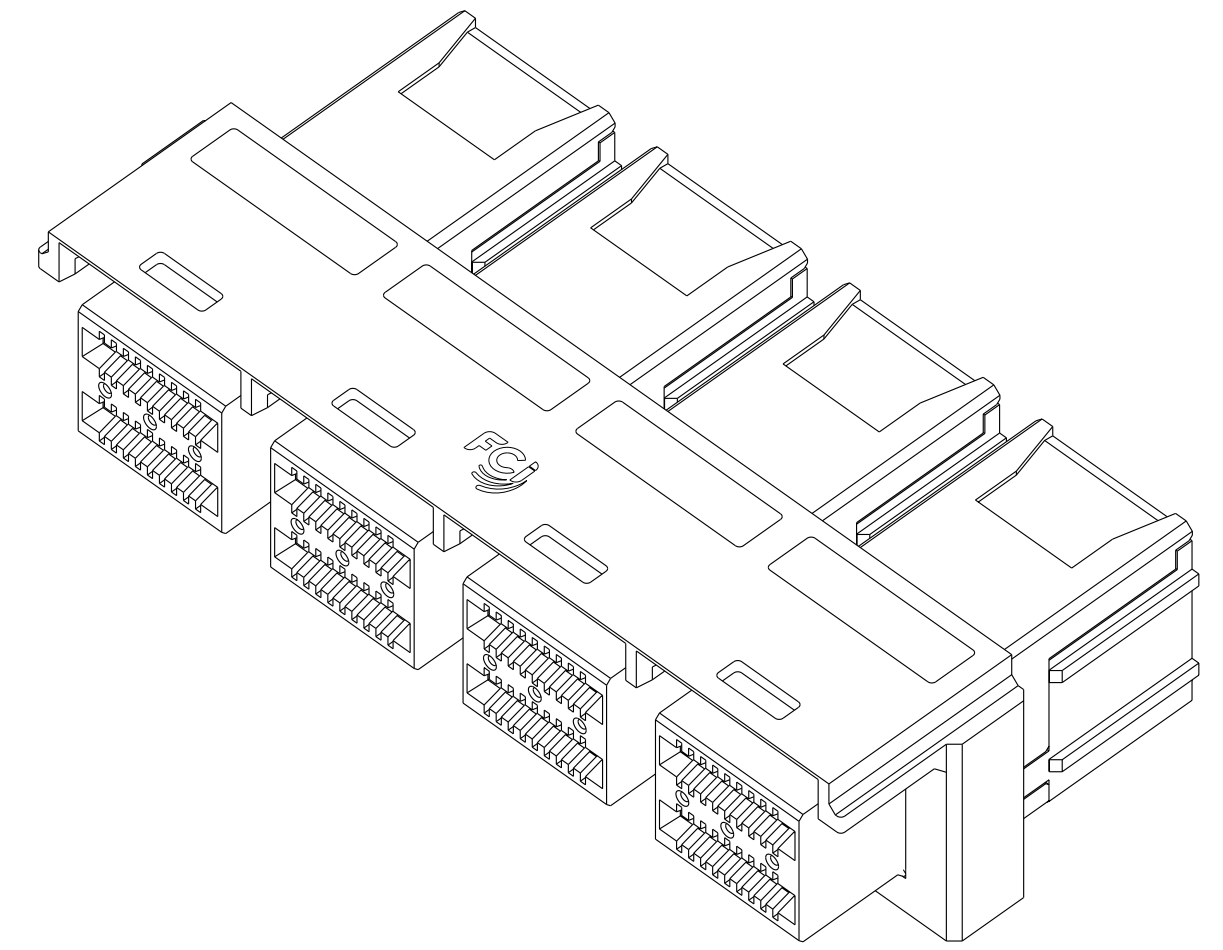


PRODUCT NUMBER	PLATING OPT.
10112634-101	OPTION 1
10112634-101LF	OPTION 2



SECTION Z-Z



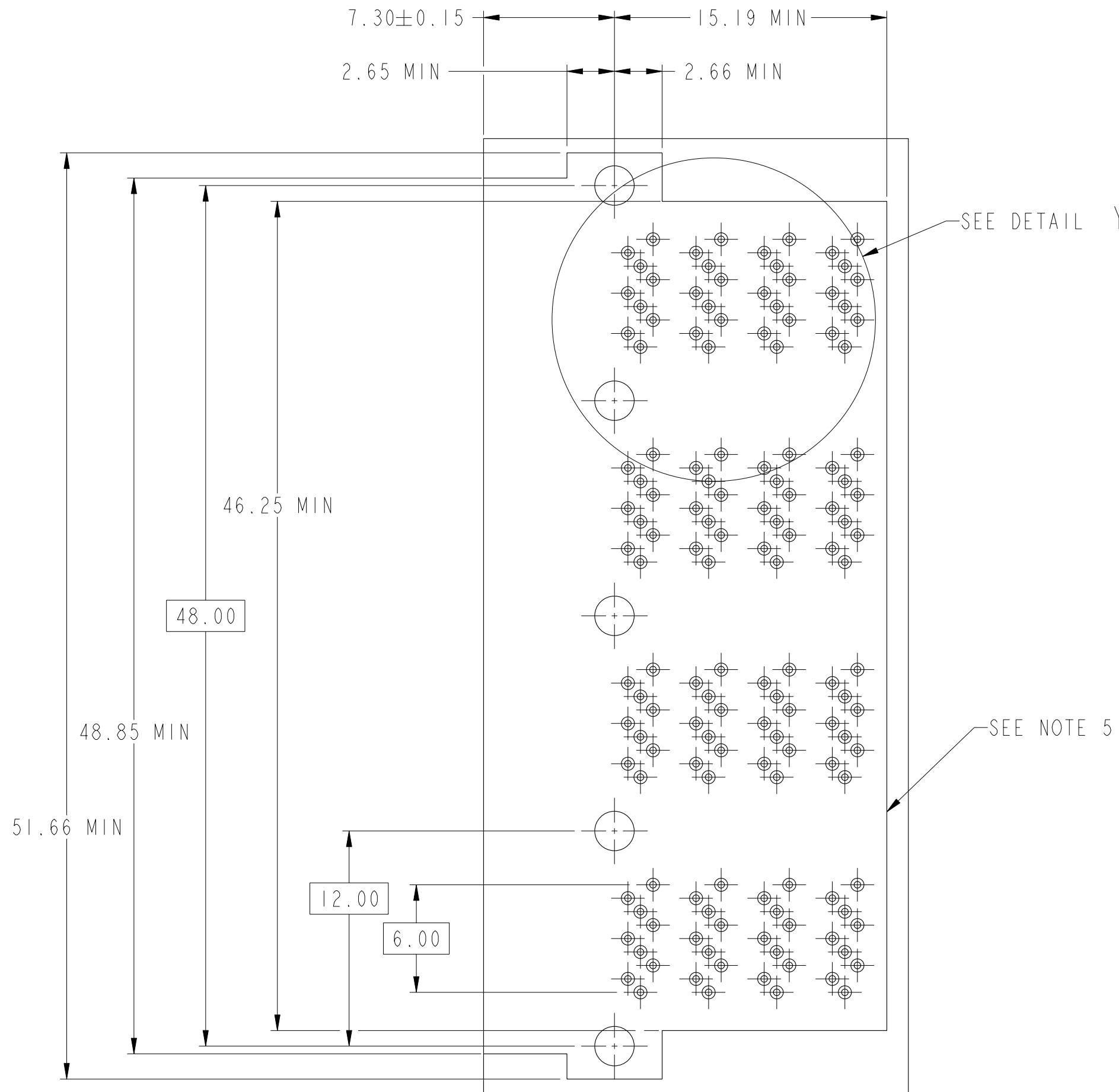
NOTES:

- MATERIALS:  
CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC  
GLASS FILLED, UL 94V-0  
TERMINALS: COPPER ALLOY
- FINISHES:  
CONTACT AREA: 0.76µm GOLD OVER 2.54µm 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-12-650.
- MOUNTING HARDWARE: M2 X 0.4 SELF-THREADING SCREW  
MOUNTING SCREW LENGTH: PCB THICKNESS + 2.5mm MAX.
- THIS CONNECTOR IS DESIGNED TO MEET THE REQUIREMENTS OF  
INDUSTRY SPECIFICATION SFF-8643.

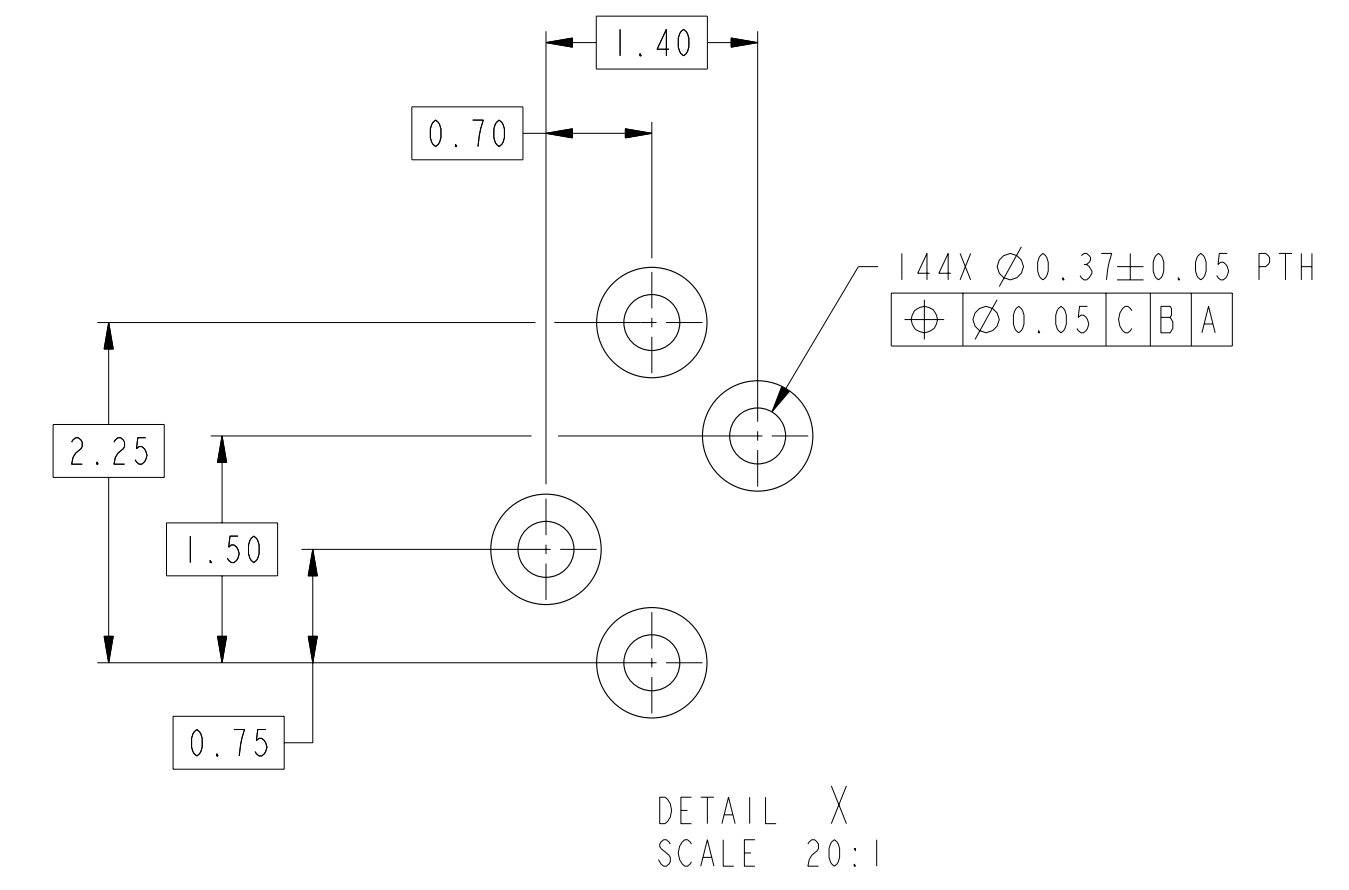
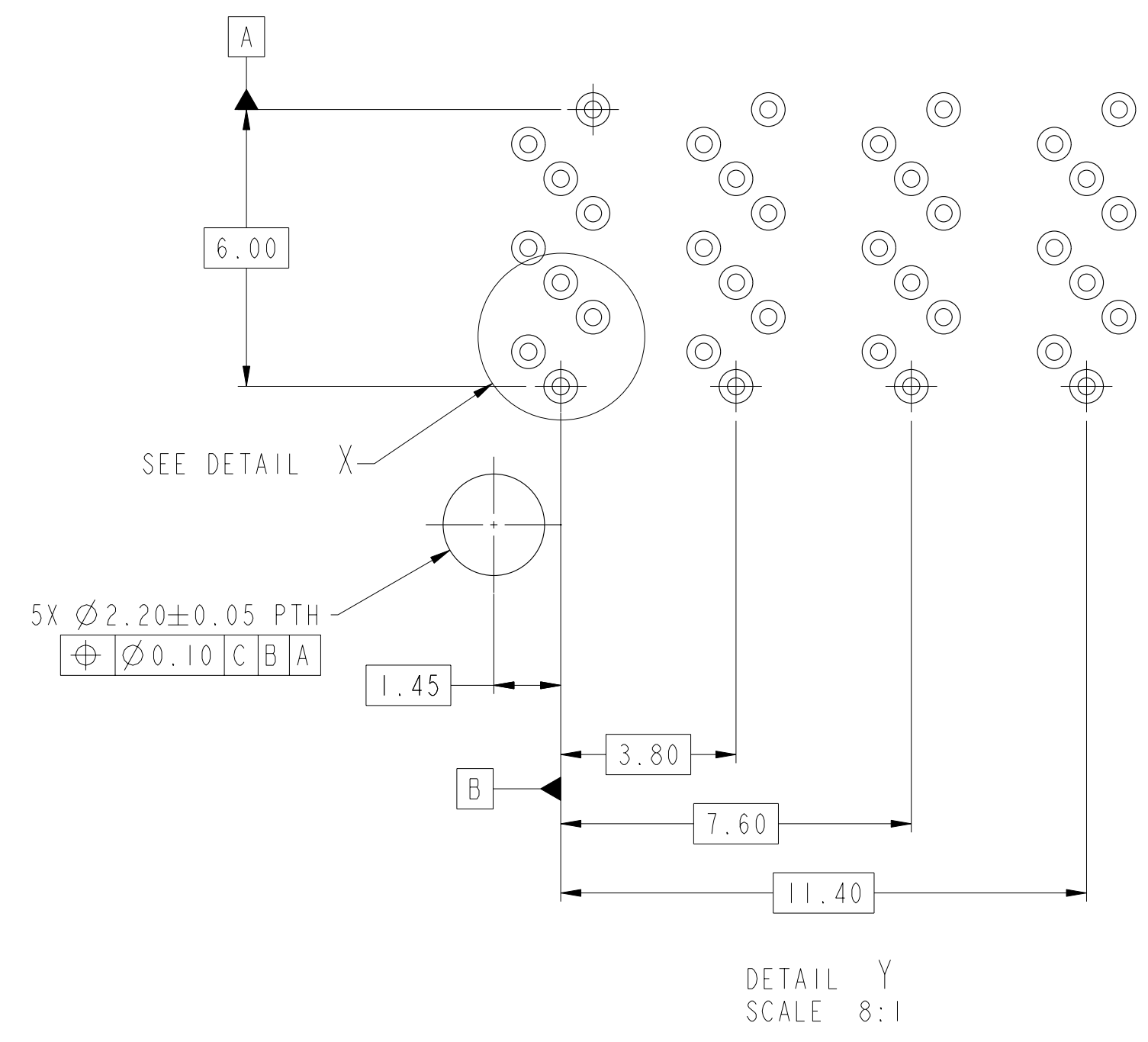
PRELIMINARY

spec ref	-	dr	S.MANOHRAN	2010-03-10	projection	MM	size	A2	scale	3:1											
tolerance std	ASME Y14.5	eng	M.GRAY	2010-03-10			ecn no	rel level	In Work	rev											
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	M.GRAY	2010-03-10																	
		appr	M.GRAY	2010-12-16																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.13</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±1/2°</td> </tr> </table>	linear	0.X	±0.25		0.XX	±0.13		0.XXX	±	angular	0°	±1/2°			<b>1X4 INTERNAL ASSEMBLY</b> MINI-SAS HD		cat. no.	Product - Customer Drw	sheet 1 of 4	10112634 3
linear	0.X	±0.25																			
	0.XX	±0.13																			
	0.XXX	±																			
angular	0°	±1/2°																			

A  
B  
C  
D  
E  
F



### RECOMMENDED BOARD LAYOUT



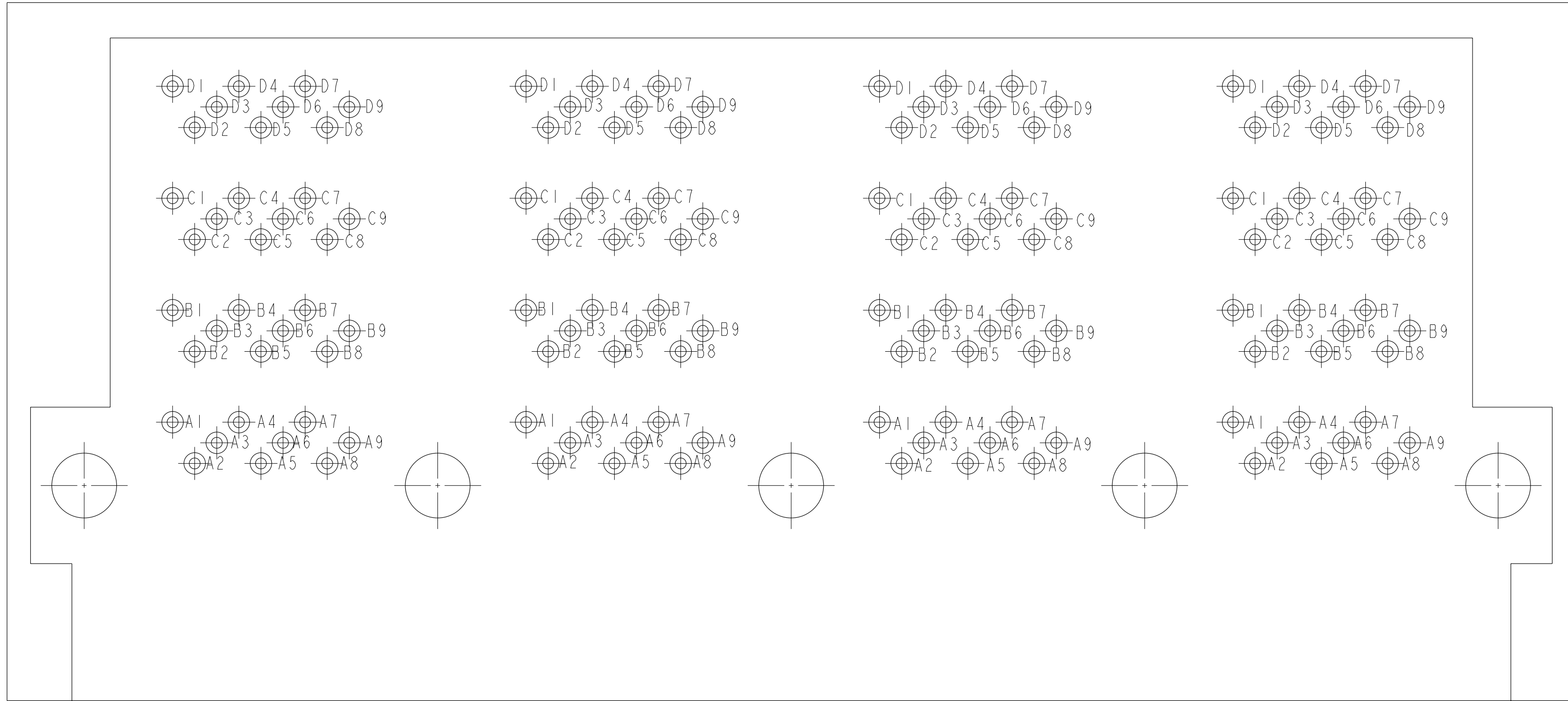
- NOTES:
1. RECOMMENDED DRILL SIZE FOR A  $\varnothing 0.37$  FINISHED PTH IS  $\varnothing 0.457$  (#77 DRILL).
  2. RECOMMENDED ANNULAR RING AROUND  $\varnothing 0.37$  FINISHED PTH IS  $\varnothing 0.73$ .
  3. MINIMUM RECOMMENDED SPACING : 14.00mm.
  4. MINIMUM PCB THICKNESS : 1.57mm.
  5. CONNECTOR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

PRELIMINARY

spec ref	-	dr	S.MANOHRAN	2010-03-10	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5	eng	M.GRAY	2010-03-10			ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	M.GRAY	2010-03-10						
		appr	M.GRAY	2010-12-16						
surface	✓	product family	MINI-SAS HD		cat. no.	1X4 INTERNAL ASSEMBLY	10112634	3		
ASME Y14.5	angular	0°	±1/2°	www.fci.com		Product - Customer Drw	sheet 2 of 4			

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# PIN OUT DESIGNATIONS

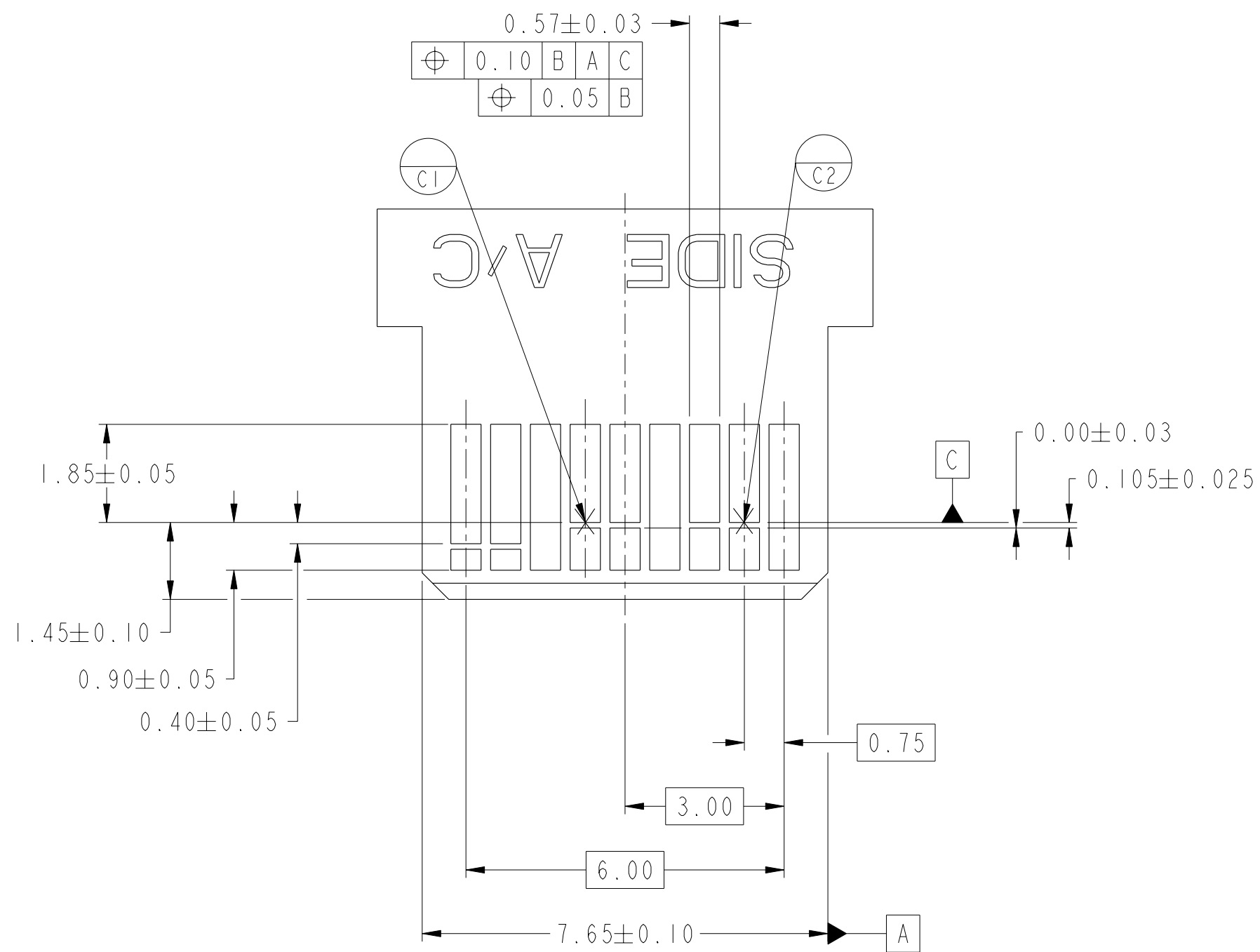
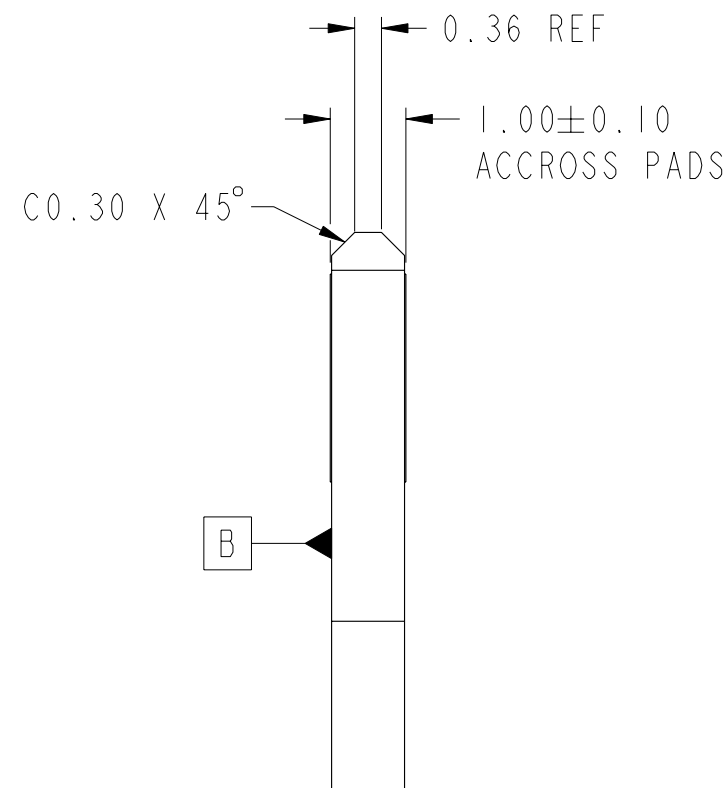
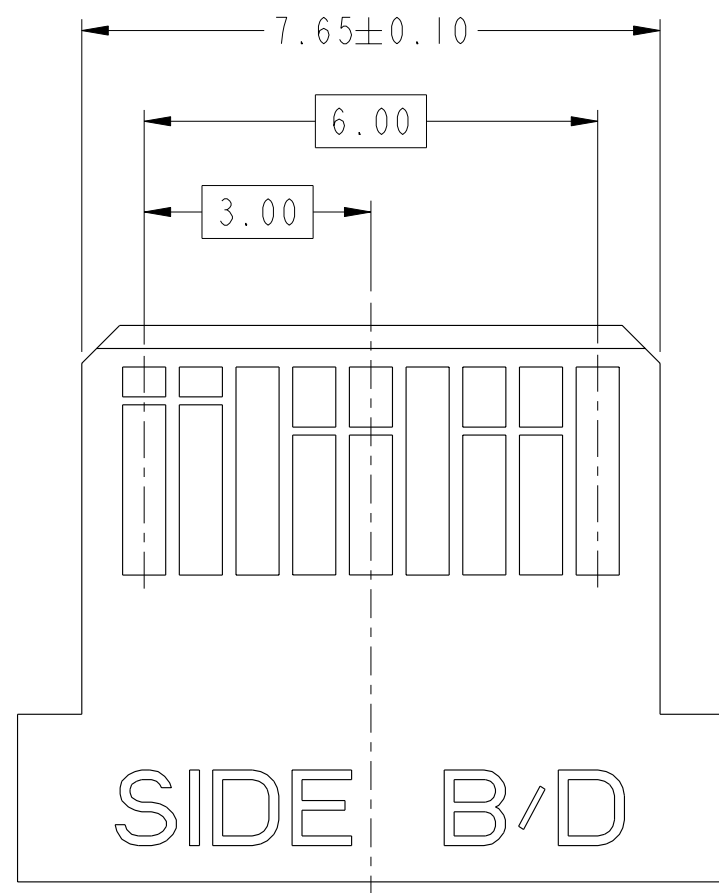


# PRELIMINARY

spec ref	-	dr	S.MANOHRAN	2010-03-10	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5	eng	M.GRAY	2010-03-10			ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	M.GRAY	2010-03-10						
		appr	M.GRAY	2010-12-16						
surface	linear	0.X	±0.25		title IX4 INTERNAL ASSEMBLY MINI-SAS HD	dwg no 10112634	sheet 3 of 4	Product - Customer Drw	cat. no.	
		0.XX	±0.13							
		0.XXX	±							
ASME Y14.5	angular	0°	±1/2°	www.fci.com						



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$\phi$	0.10	B	A	C
$\phi$	0.05	B		

PRELIMINARY

NOTES:

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

spec ref	-	dr	S.MANOCHARAN	2010-03-10	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5	eng	M.GRAY	2010-03-10			ecn no	rel level	In Work	rev
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	M.GRAY	2010-03-10						
		appr	M.GRAY	2010-12-16						
surface	linear	0.X	±0.25		product family MINI-SAS HD	title 1X4 INTERNAL ASSEMBLY MINI-SAS HD	dwg no 10112634	sheet 4 of 4	cat. no.	Product - Customer Drw
		0.XX	±0.13							
		0.XXX	±							
ASME Y14.5	angular	0°	±1/2°	www.fci.com						



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