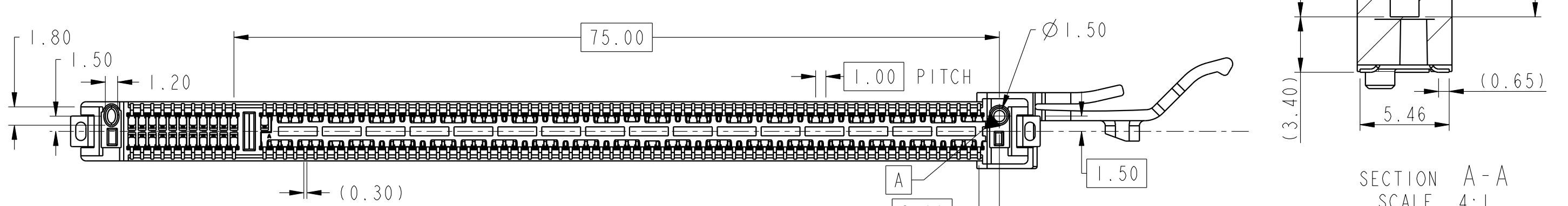
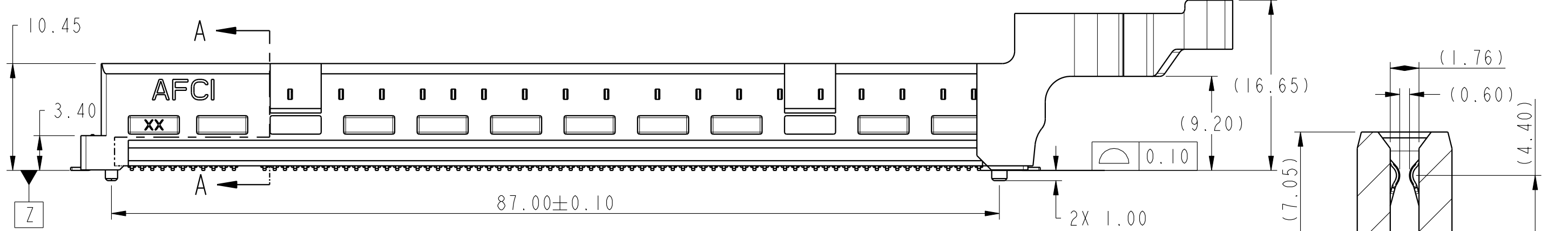
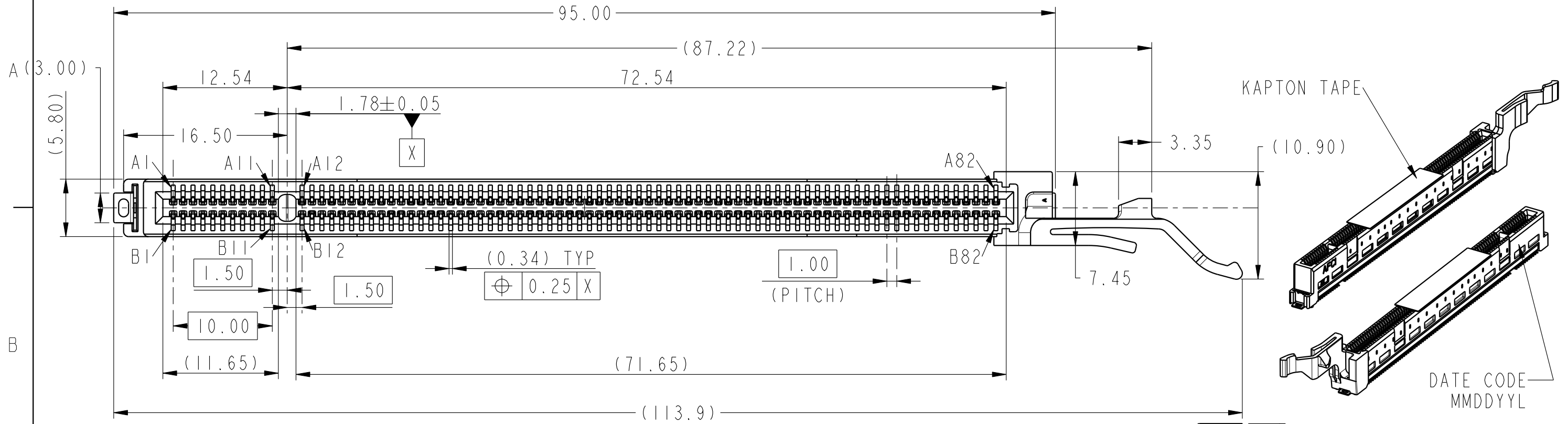


PRELIMINARY - Subjected to Changes

PRODUCT PART NUMBER
10175656-1131100LF

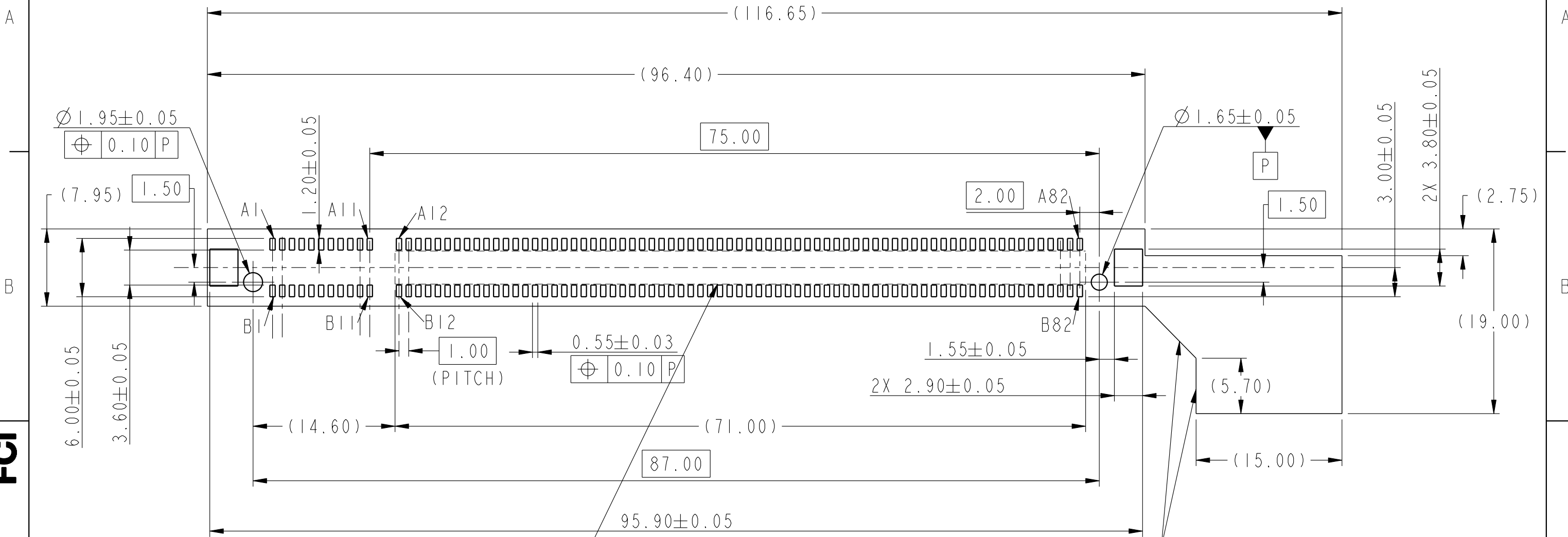


GND DEFINITION
(REFER TO PCIe CEM SPEC)

SIDE A GND PIN	A12, A15, A18, A20, A23, A24, A27, A28, A31, A34, A37, A38, A41, A42, A45, A46, A49, A51, A54, A55, A58, A59, A62, A63, A66, A67, A70, A71, A74, A75, A78, A79, A82
SIDE B GND PIN	B13, B16, B18, B21, B22, B25, B26, B29, B32, B35, B36, B39, B40, B43, B44, B47, B49, B52, B53, B56, B57, B60, B61, B64, B65, B68, B69, B72, B73, B76, B77, B80

spec ref	-	dr	MATTHEW CHEONG	2025-01-15	projection	MM	size	A3	scale	2:1		
tolerance std	ASME Y14.5	eng	MATTHEW CHEONG	2025-01-15			ecn no		rel level	Preliminary		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr										
surface	linear	0.X	±0.25	Amphenol FCI www.fci.com	product family		PCIe COOL EDGE 6.0		dwg no	10177636	rev	3
		0.XX	±0.20		SMT VERTICAL, ASSEMBLY - LATCH		Product - Customer Drw					
	angular	0°	±2°		cat. no.			sheet 1 of 4				

PRELIMINARY - Subjected to Changes



IT IS RECOMMENDED THAT THE COPPER TRACES IN THE TOP LAYER (BOUNDED REGION) BE OVERLAID WITH INSULATION/ SOLDERMASK TO PREVENT ACCIDENTAL CONTACT WITH THE CONNECTOR'S GROUND BUSSING CONDUCTIVE BAR/ PLASTIC. SEE NOTE 8

PLACEMENT KEEP-OUT ZONE
COMPONENT HEIGHT IS 8.0MM MAX

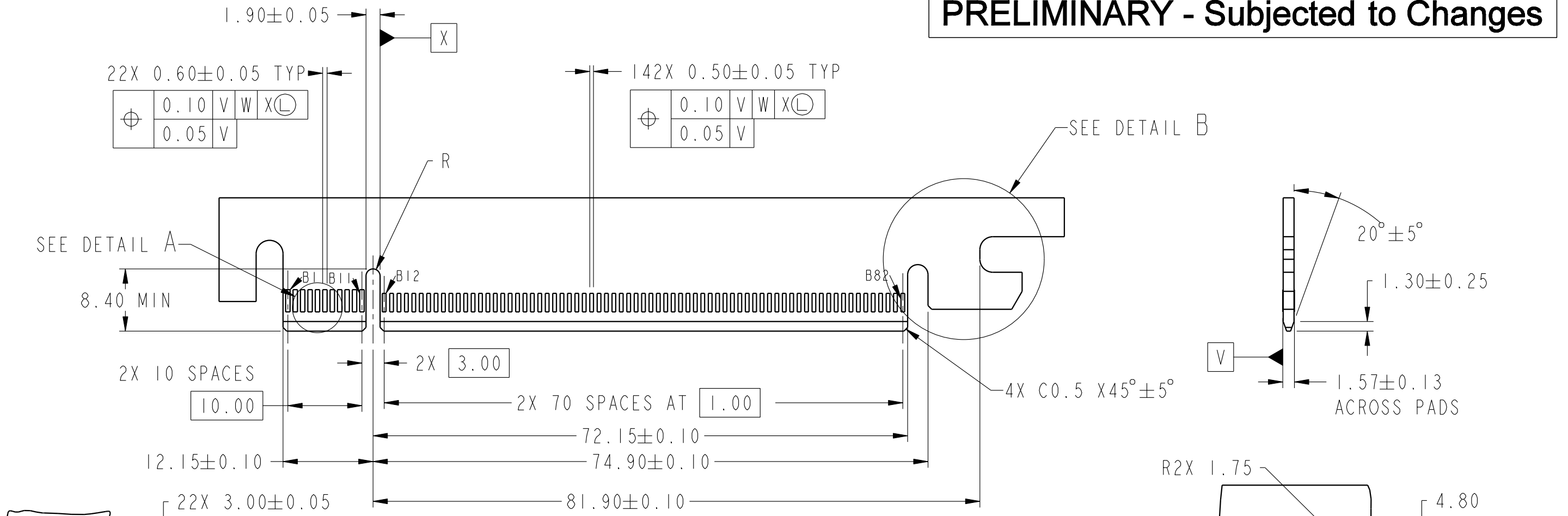
RECOMMENDED PCB LAYOUT

GENERAL TOLERANCE ±0.05

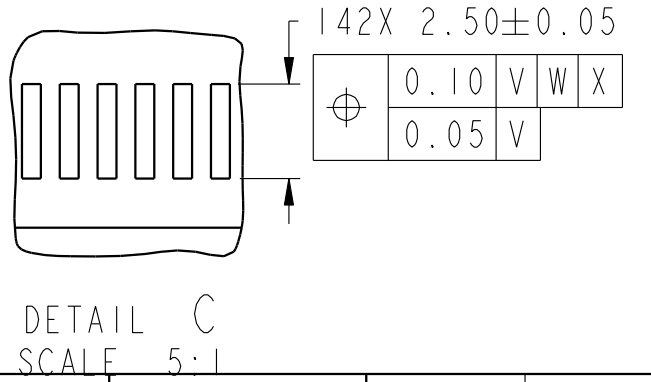
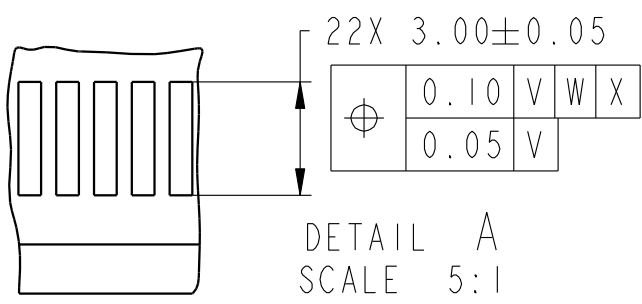
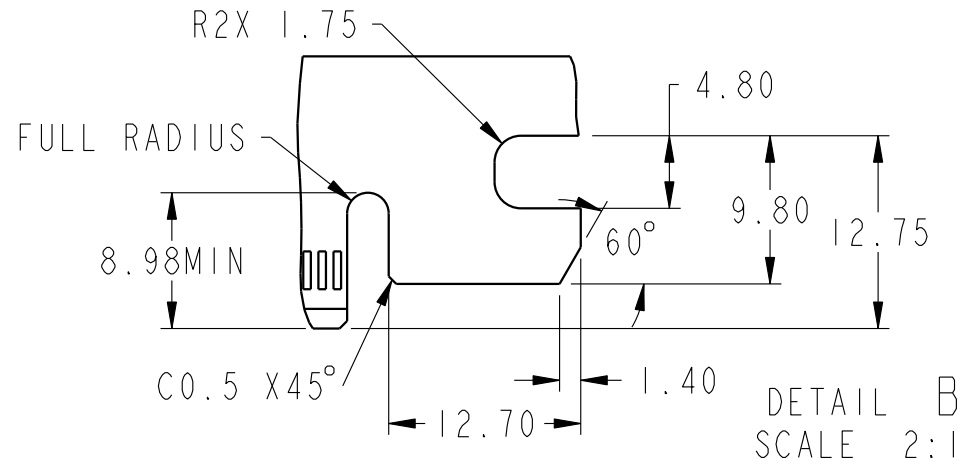
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spec ref -		dr	MATTHEW CHEONG	2025-01-15	projection	MM	size	A3	scale	4:1
tolerance std ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED					ecn no		rel level Preliminary	
surface		linear	0.X	±0.25			product family		rel level Preliminary	
ASME Y14.5		linear	0.XX	±0.20	Amphenol FCI		title		PCIe COOL EDGE 6.0	
		linear	0.XXX	±0.15	www.fci.com		title		SMT VERTICAL, ASSEMBLY - LATCH	
		angular	0°	±2°	cat. no.		dwg no		10177636	
					Product - Customer Drw		rev		3	
					sheet 2 of 4					

PRELIMINARY - Subjected to Changes



**I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE**



**I/O PANEL DIRECTION
SECONDARY (SOLDER) SIDE**

1. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN AI AND PIN "L".
2. CHAMFER EDGES MUST BE FREE FROM CUTTING BURRS.
3. TOLERANCES FOR AIC, UNLESS OTHERWISE SPECIFIED IS : ±0.13.
4. CONTACT AFCI ENGINEERING FOR SI REPORT.

spec ref	-	dr	MATTHEW CHEONG	2025-01-15	projection	MM	size	A3	scale	2:1
tolerance std	ASME Y14.5	eng	MATTHEW CHEONG	2025-01-15			ecn no		rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr					PCI express		Preliminary	
surface	linear	0.X	±0.25	Amphenol FCI www.fci.com	product family		PCI express		rel level	Preliminary
		0.XX	±0.20		PCIE COOL EDGE 6.0		10177636		rev	3
		0.XXX	±0.15		SMT VERTICAL, ASSEMBLY - LATCH		dwg no		3	
ASME Y14.5	angular	0°	±2°	cat. no.	Product - Customer Drw		sheet 3 of 4			

Amphenol FCI

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PRODUCT NUMBER CODE

10177636 - 00LF

HOUSING COLOR OPTIONS

1: BLACK

CONTACT PLATING OPTIONS

1: 0.76um Au

NO. OF POSITION

3: 164 POS

PICK UP OPTION


0 : NIL

1 : KAPTON TAPE, 70 x 7mm WIDTH

PACKAGING

1: SOFT TRAY

NOTES:

- MATERIAL:
HOUSING: HIGH TEMPERATURE RESIN, GLASS FILLED, UL94 V0
CONTACT: COPPER ALLOY
HOLD DOWN CLIP: COPPER ALLOY
- PLATING:
CONTACT - UNDERPLATE - 1.27 - 2.54um NICKEL OVERALL
MATING AREA - SEE PRODUCT NUMBER CODE
SOLDER AREA - 2.54um MIN TIN (LEAD FREE)
HOLD DOWN CLIP - 2.54um MIN TIN OVER 1.27-2.54um NICKEL UNDERPLATE
- PRODUCT SPECIFICATION: TBA
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. L IS AFCl PRODUCT SITE
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN
- A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- THERE IS GROUND BUSSING WITHIN THE CONNECTOR'S SYSTEM, FOR DIFFERENTIAL PAIRS GROUND LOCATIONS, PLEASE REFER TO THE CONNECTOR PINOUT TABLE FROM CHAPER 6 OF PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION.

spec ref -		dr	MATTHEW CHEONG 2025-01-15		projection	MM	size	A3		scale	1:1		
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	MATTHEW CHEONG 2025-01-15		ecn no		-				
surface	linear	0.X	±0.25	chr			rel level		In Work				
		0.XX	±0.20	appr									
		0.XXX	±0.15	Amphenol FCI		PCIe COOL EDGE 6.0		dwg no		10177636		rev	3
ASME Y14.5	angular	0°	±2°	amphenol-icc.com		cat. no.		Product - Customer Drw		sheet 4 of 4			