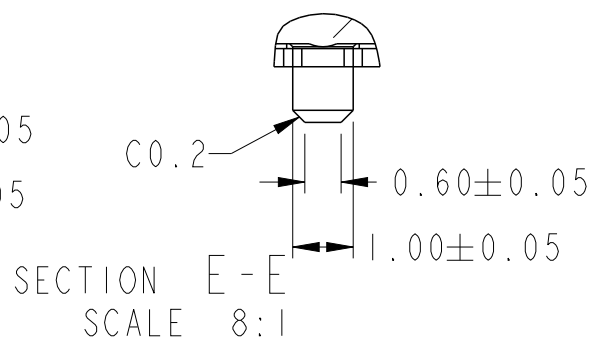
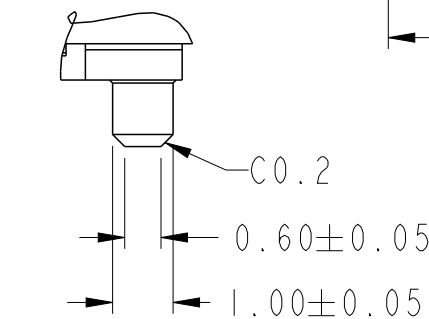
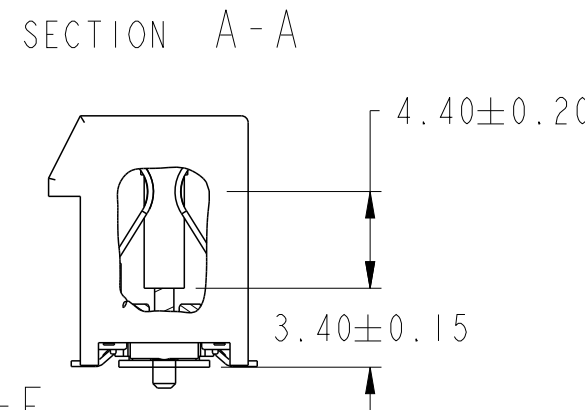
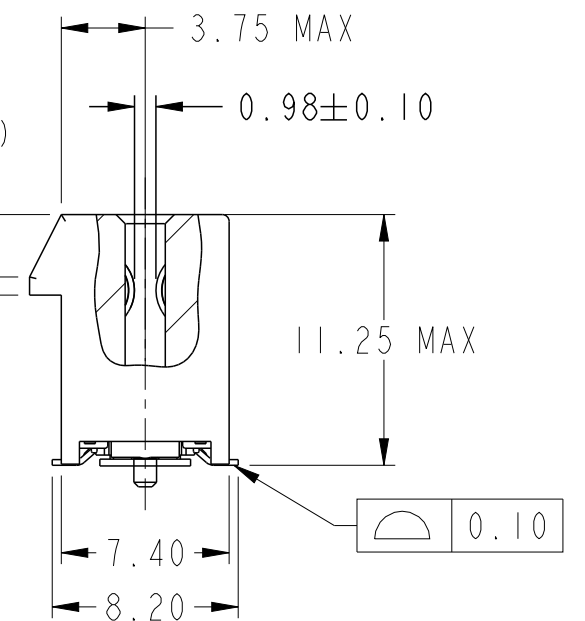
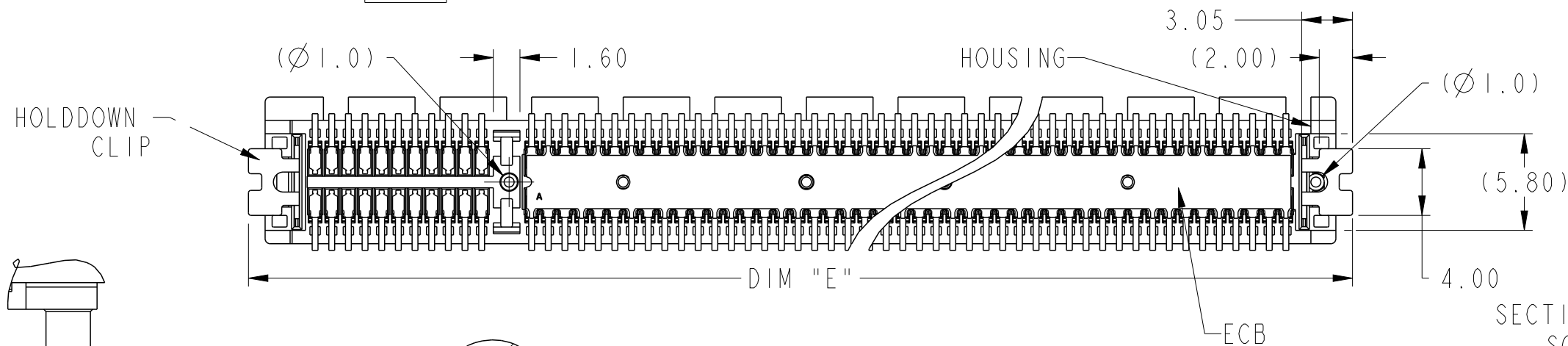
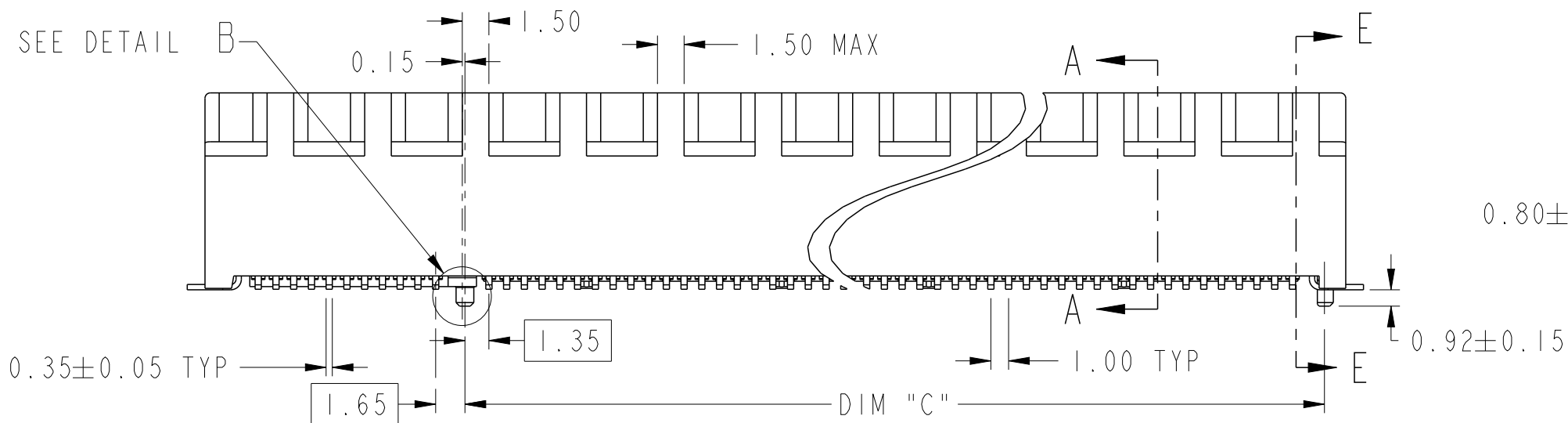
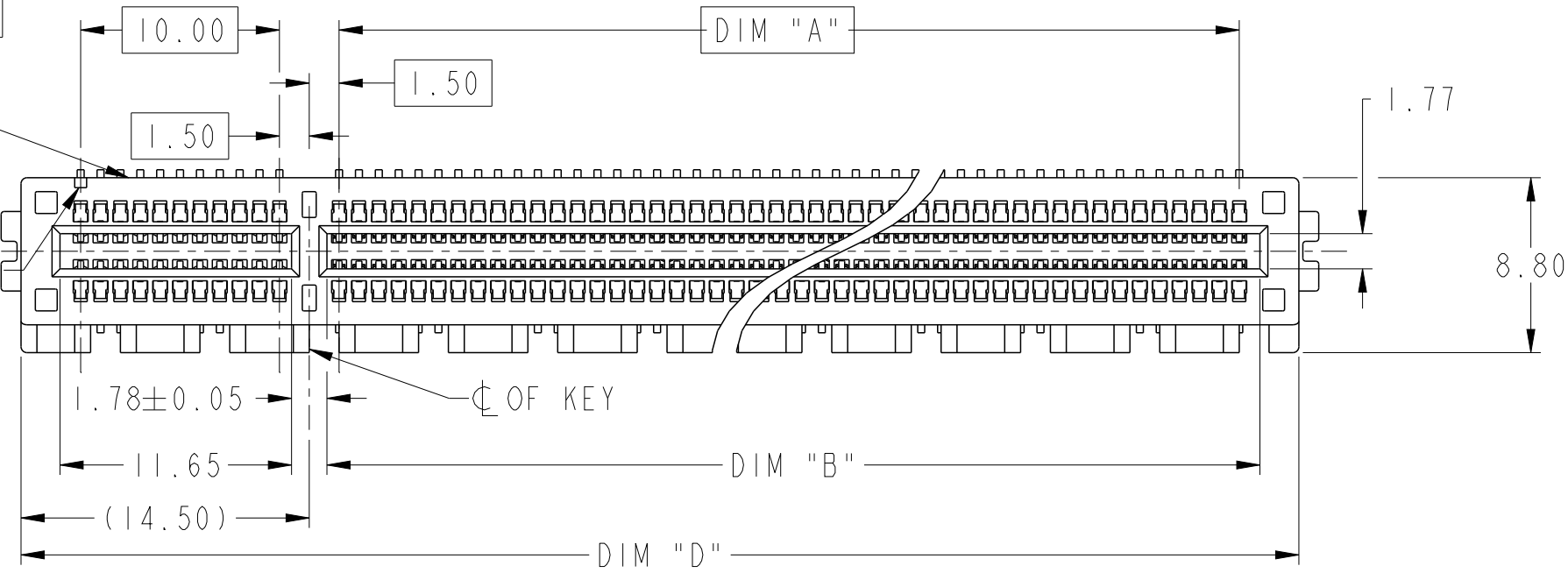


PRODUCT PARTNUMBER
10146070-1XXXXLF

PARTNO &
DATECODE

#AI IDENTIFIER



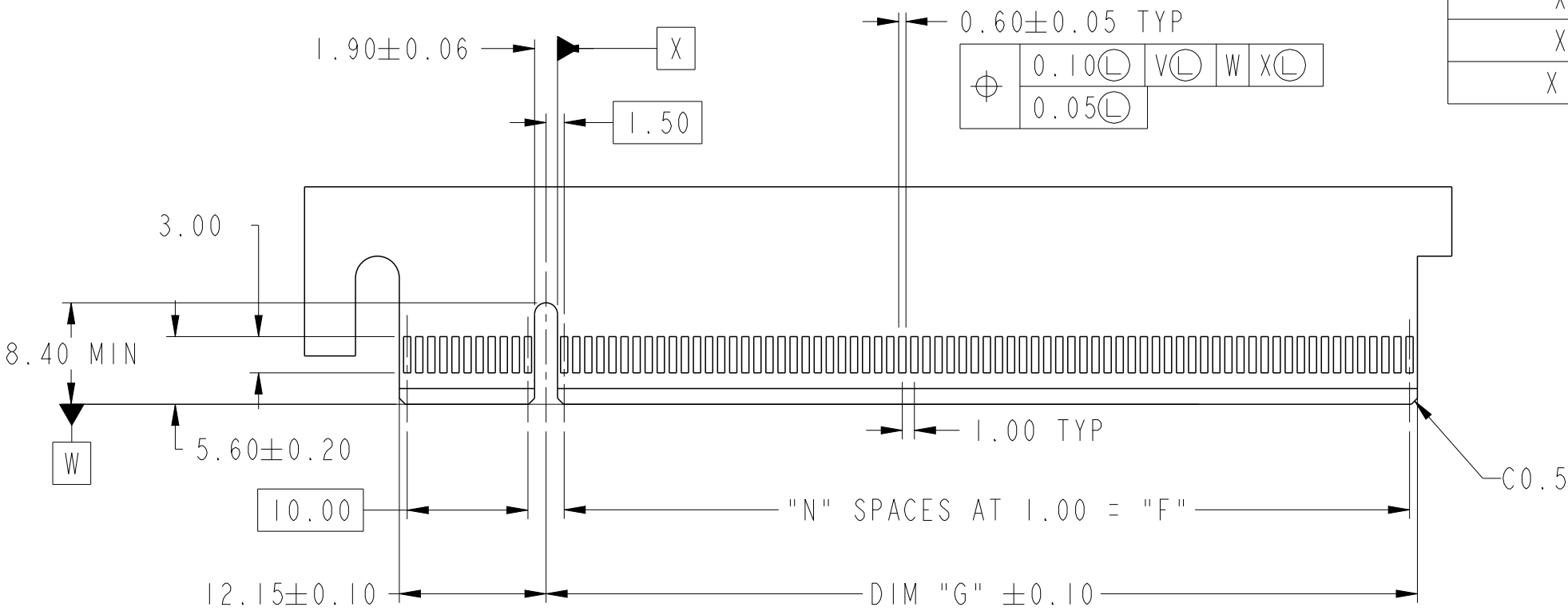
spec ref	-	dr	Cheong, Matthe	2018/01/09	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2020/12/07	chr	-	ecn no	ELX-S-39228-1	rel level	Released
surface	-	appr	Koon-Poh Tay	2020/12/17	product family	PCI express	dwg no	10146070	rev	E
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.1	Amphenol FCI	PCI Express Gen 5 (32Gb/s)	cat. no.	-	Product - Customer Drw	sheet 1 of 5			
angular	0° ±2°	www.fci.com	SMT Type							

A

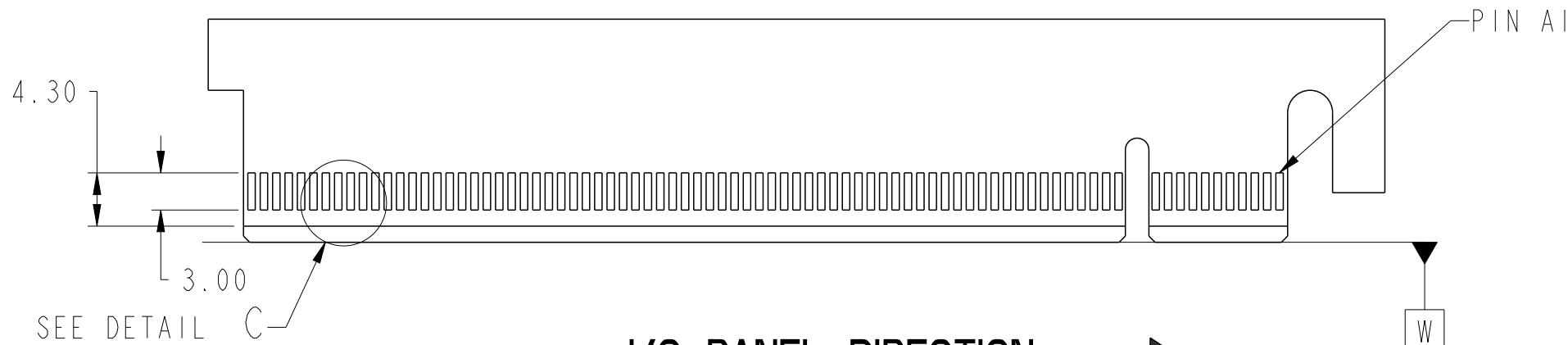
B

C

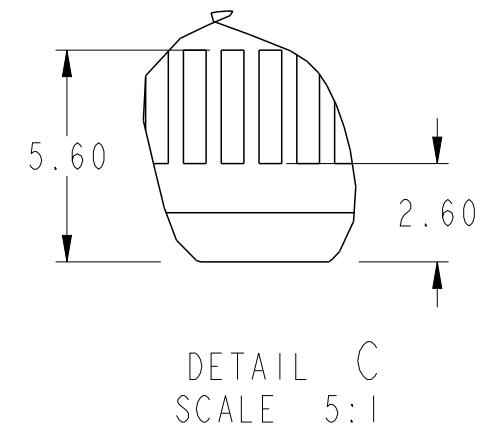
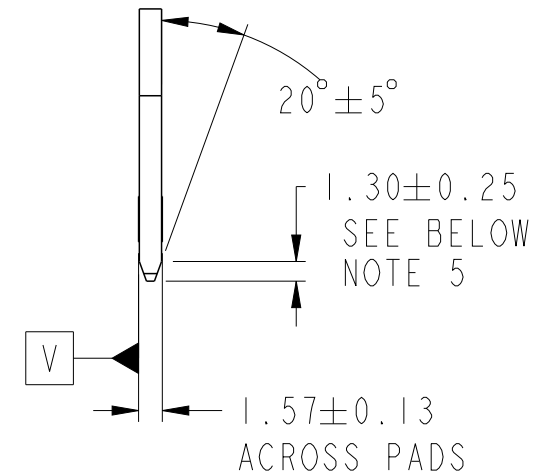
D



← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE

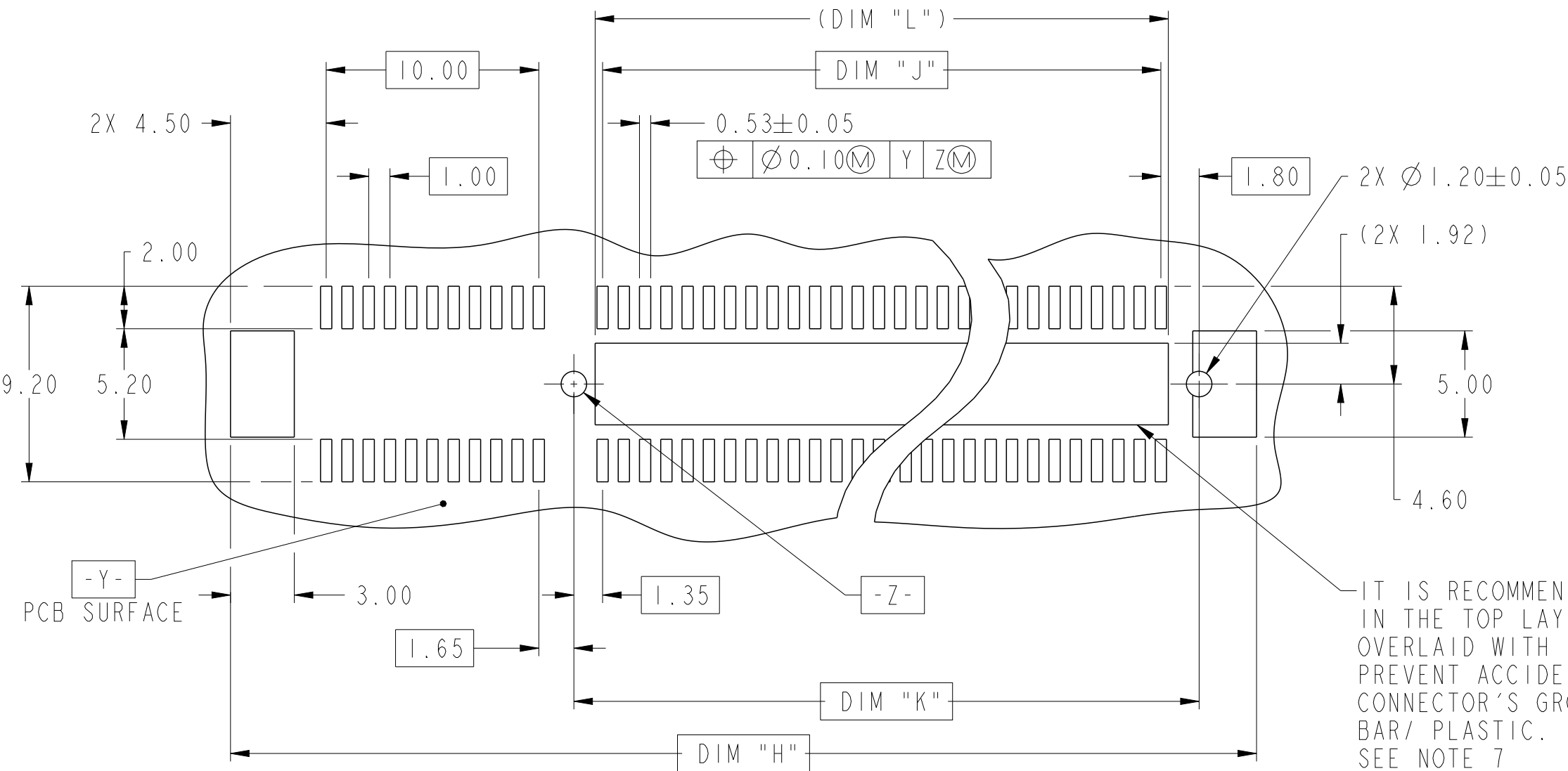


I/O PANEL DIRECTION
SECONDARY (SOLDER) SIDE →



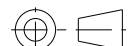
1. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN A1 AND PIN "L".
2. CHAMFER EDGES MUST BE FREE FROM CUTTING BURRS.
3. TOLERANCES : ±0.13.
4. CONTACT AFCI ENGINEERING FOR SI REPORT.
5. ADD-IN-CARD GOLD FINGER DESIGN REFERENCED CEM REV 5.0 VER 0.7 JUNE 29, 2020.

spec ref	-	dr	Cheong, Matthe	2018/01/09	projection	MM	size	A3	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2020/12/07	chr	-	ecn no	ELX-S-39228-1	rel level	Released
surface	linear	appr	Koon-Poh Tay	2020/12/17	product family	PCI express	dwg no	10146070	rev	E
ISO 1302	angular	0°	±2°	Amphenol FCI	PCI Express Gen 5 (32Gb/s)	SMT Type	cat. no.	Product - Customer Drw	sheet 2 of 5	



RECOMMENDED PCB LAYOUT, PAD TYPE

DIMENSIONS									
POSITION	A	B ^{+0.15} _{-0.05}	C ±0.10	D ±0.23	E ±0.20	H ±0.10	J	K ±0.10	L
36	6.00	7.65	9.15	25.00	27.00	28.00	6.00	9.15	6.70
64	20.00	21.65	23.15	39.00	41.00	42.00	20.00	23.15	20.70
98	37.00	38.65	40.15	56.00	58.00	59.00	37.00	40.15	37.70
164	70.00	71.65	73.15	89.00	91.00	92.00	70.00	73.15	70.70

spec ref -		dr		Cheong, Matthe	2018/01/09	projection 	MM 	size	A3	scale	4:1	
tolerance std		eng		Cheong, Matthe	2020/12/07			ecn no		ELX-S-39228-1		
ISO 406 ISO 1101		chr		-	-			rel level				Released
		appr		Koon-Poh Tay	2020/12/17	product family		PCI express				
surface - 		linear	0.X	±0.30	Amphenol FCi	PCI Express Gen 5 (32Gb/s)		dwg no	10146070		rev	E
			0.XX	±0.20								
			0.XXX	±0.1								
ISO 1302		angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 3 of 5		

PRODUCT NUMBER CODE
TABLE 1 - PARTNUMBER FORMAT ALLOCATED TO PACKAGING "A, Q, C, T, X, Y, Z"

10146070-□□□□0LF

HOUSING COLOR

1: BLACK

CONTACT AREA PLATING

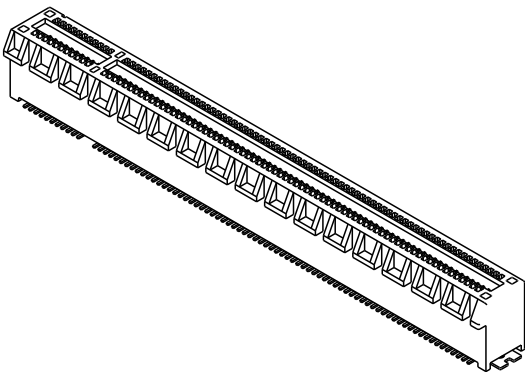
1: 30u" Au
2: 15u" Au

NO. OF POSITION

0: 36 POSITIONS
1: 64 POSITIONS
2: 98 POSITIONS
3: 164 POSITIONS

PACKAGING OPTIONS

A: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 22 x 7MM (98 & 164 POS)
B: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 86.5 x 7 MM (164 POS)
E: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 53 x 7 MM (98 & 164 POS)
Q: HARD TRAY (DIM: 323 x 136 x 19) (98 & 164 POS)
C: SOFT TRAY (317.5 x 235 x 18) WITH PICK-UP CAP (36 & 64 POS)
T: SOFT TRAY (317.5 x 235 x 18) WITH KAPTON TAPE, 22 x 7MM (36 & 64 POS)
X: HARD TRAY (DIM: 330 x 235 x 19.3) WITH PICK UP CAP (98 & 164 POS)
Y: HARD TRAY (DIM: 330 x 235 x 19.3) WITH KAPTON TAPE, 22 x 7MM (98 & 164 POS)
Z: HARD TRAY (DIM: 330 x 235 x 19.3) WITH KAPTON TAPE, 86.5 x 7MM (164 POS)



PRODUCT NUMBER CODE
TABLE 2 - PARTNUMBER FORMAT ALLOCATED TO "TAPE & REEL" PACKAGING OPTIONS

10146070-□□□□□00LF



HOUSING COLOR

1: BLACK

CONTACT AREA PLATING

1: 30u" Au
2: 15u" Au

NO. OF POSITION

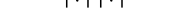
0: 36 POSITIONS
1: 64 POSITIONS
2: 98 POSITIONS
3: 164 POSITIONS

PICK-UP OPTIONS

0: NIL
1: PICK UP CAP (NOT AVAIL. FOR PACKAGING OPTION "Q")
2: KAPTON TAPE, 22 x 7MM WIDTH (ALL POS)
3: KAPTON TAPE, 22 x 8.5MM WIDTH (ALL POS)
4: KAPTON TAPE, 30 x 8.5MM WIDTH (64, 98 & 164 POS)
5: KAPTON TAPE, 45 x 8.5MM WIDTH (98 & 164 POS)
6: KAPTON TAPE, 53 x 8.5MM WIDTH (98 & 164 POS)
7: KAPTON TAPE, 86.5 x 8.5MM WIDTH (164 POS)

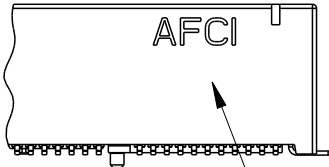
PACKAGING OPTIONS

R: TAPE AND REEL (36, 64 & 98 POS)
Q: HARD TRAY (323 x 136 x 19) (98 & 164 POS)

spec ref -				dr	Cheong, Matthe	2018/01/09	projection 	MM 	size	A3	scale	3:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2020/12/07			ecn no ELX-S-39228-1			
				chr	-	-						
				appr	Koon-Poh Tay	2020/12/17	product family PCI express		rel level Released			
surface  ISO 1302	linear	0.X	±0.30	Amphenol FCI	title PCI Express Gen 5 (32Gb/s) SMT Type			dwg no	10146070		rev E	
		0.XX	±0.20									
		0.XXX	±0.1									
angular		0°	±2°			cat. no.	-	Product - Customer Drw			sheet 4 of 5	

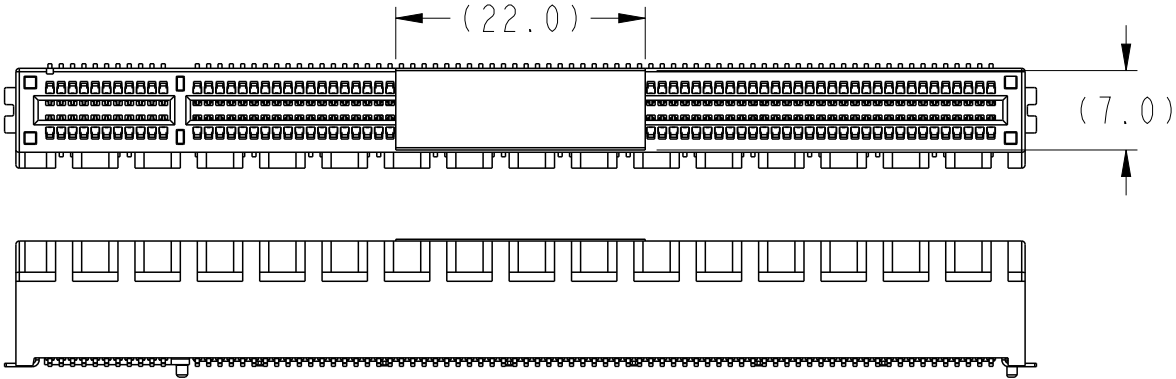
NOTES:

1. MATERIAL:
HOUSING: HIGH PERFORMANCE RESIN, GLASS FILLED, UL 94V-0
CONTACT: COPPER ALLOY.
HOLDDOWN CLIP: COPPER ALLOY
2. PLATING:
CONTACT: UNDERPLATE: 50u" NICKEL OVER ALL.
SOLDER AREA: 100u" TIN (LEAD FREE).
MATING AREA: SEE PRODUCT NUMBER CODE.
HOLDDOWN CLIP: 100u" TIN OVER 50 u" NICKEL.
3. PRODUCT SPECIFICATION: GS-12-1406
4. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-004.
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE.
L IS AFCI PRODUCTION SITE.
6. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°
PEAK TEMPERATURE FOR 10 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN.
7. THERE IS GROUND BUSSING WITHIN THE CONNECTOR SYSTEM.
FOR DIFFERENTIAL PAIR'S GROUND LOCATION, PLEASE REFER TO THE
CONNECTOR PINOUT TABLE FROM
CHAPTER 6 OF PCI EXPRESS CARD
ELECTROMECHANICAL SPECIFICATION.

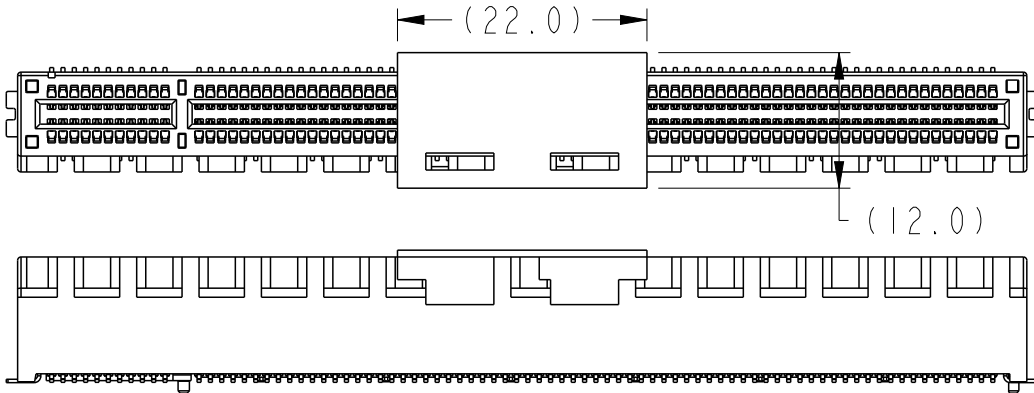


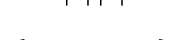
DATA CODE &
PARTNO

POSITION OF KAPTON TAPE



POSITION OF PICK UP CAP



spec ref -				dr	Cheong, Matthe	2018/01/09	projection 	MM 	size	A3	scale	2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2020/12/07			ecn no	ELX-S-39228-1		
				chr	-	-			rel level Released			
				appr	Koon-Poh Tay	2020/12/17	product family PCI express					
surface  ISO 1302	linear	0.X	±0.30	Amphenol FCi	title PCI Express Gen 5 (32Gb/s) SMT Type	dwg no 10146070	rev E					
		0.XX	±0.20									
		0.XXX	±0.1									
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw		sheet 5 of 5				