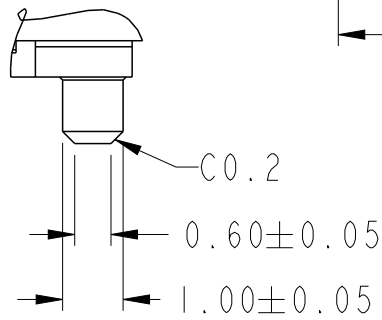
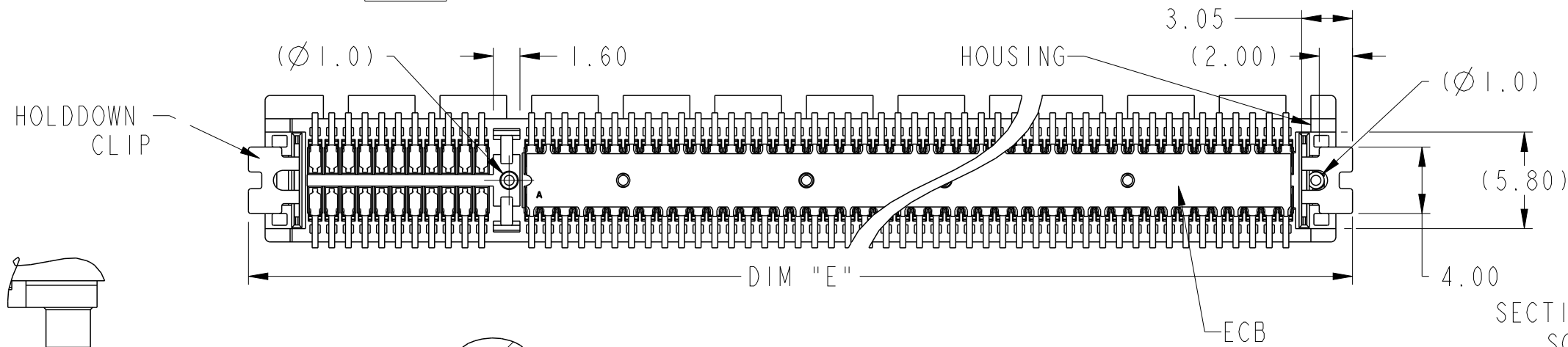
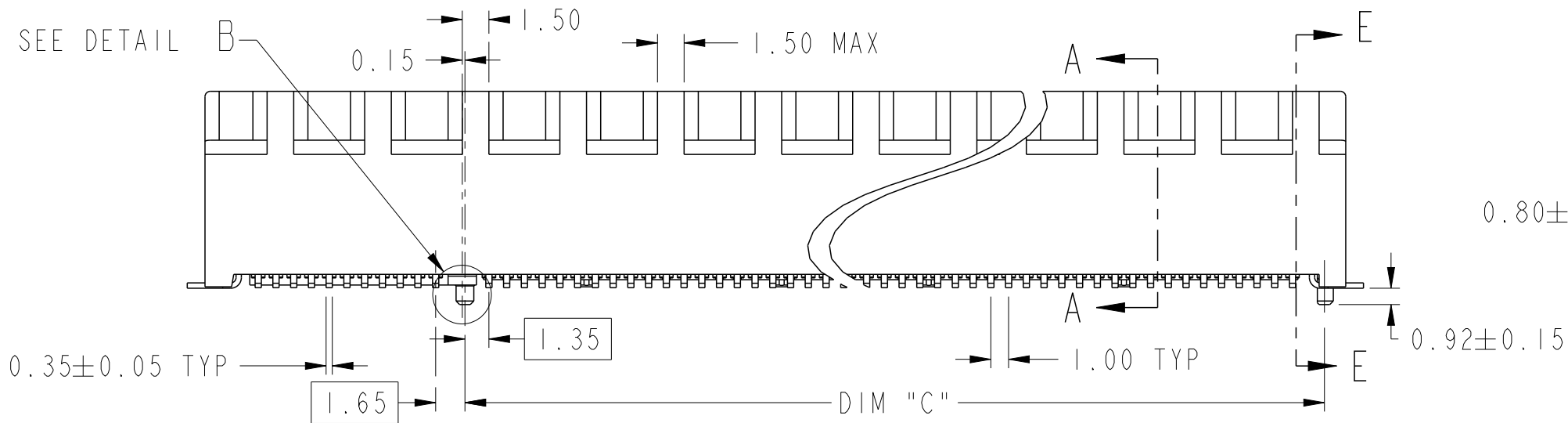
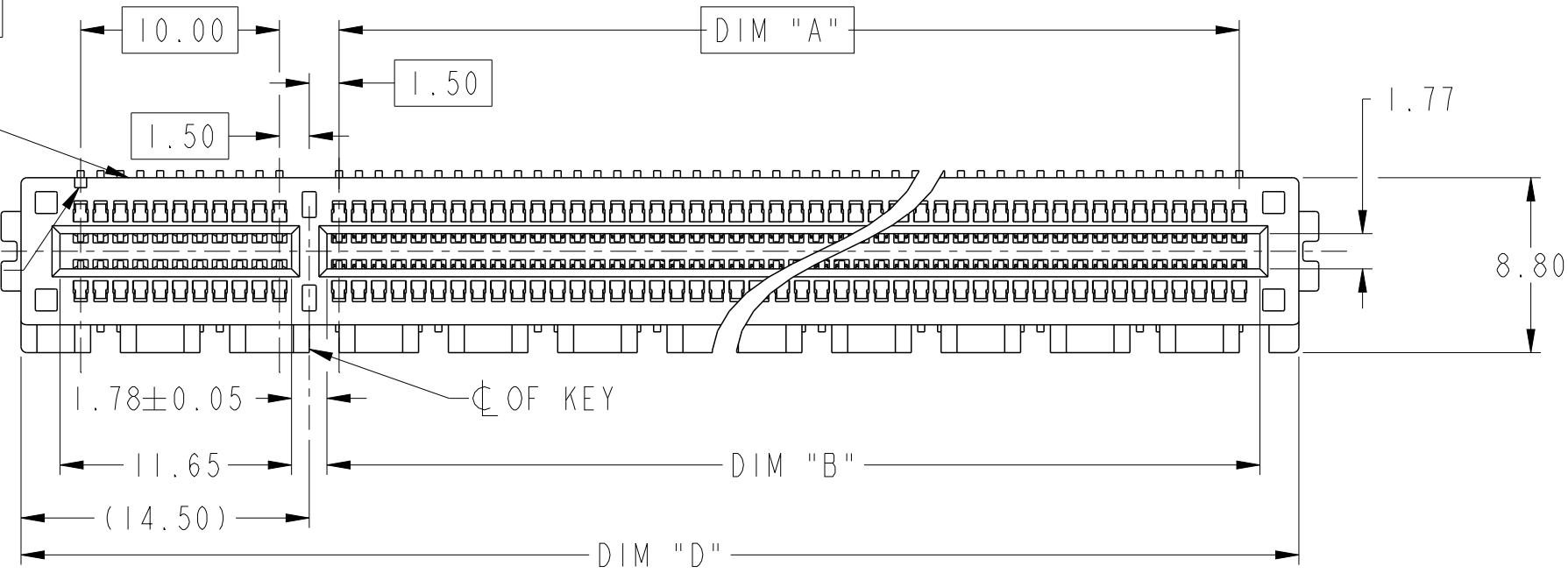


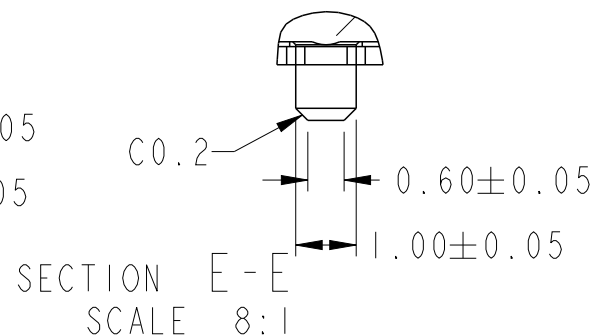
PRODUCT PARTNUMBER
10146070-1XXXXLF

PARTNO &
DATECODE

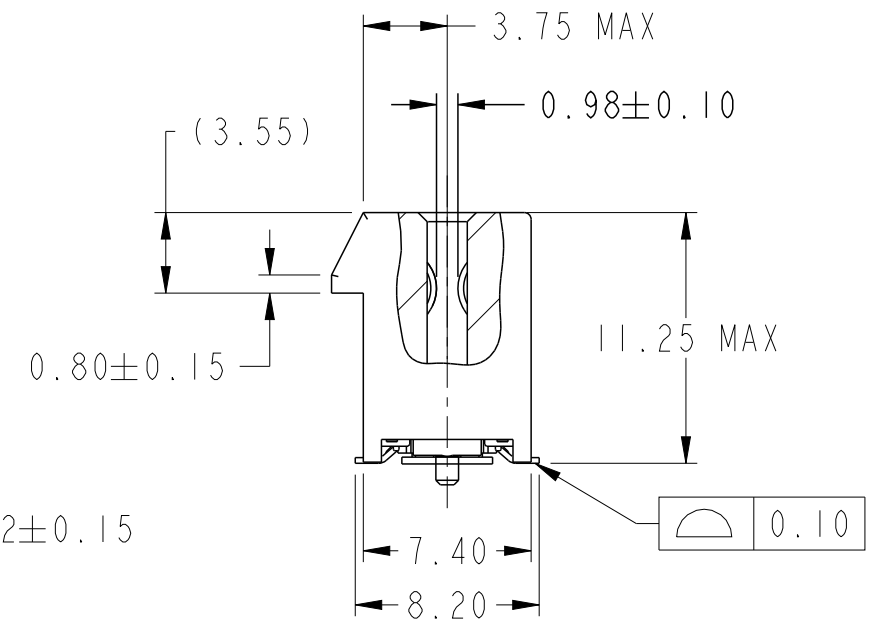
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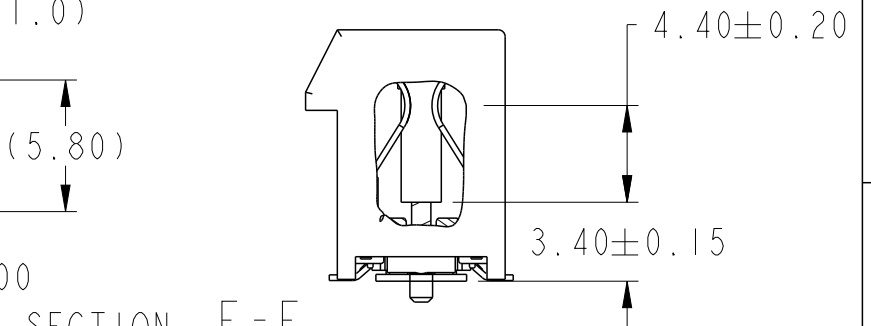
DETAIL B
SCALE 8:1



SECTION E-E
SCALE 8:1



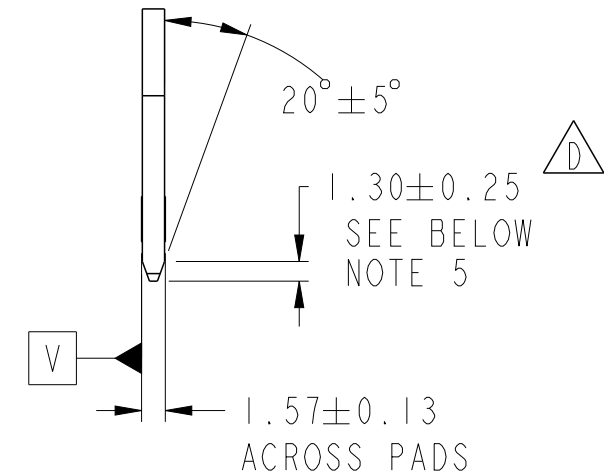
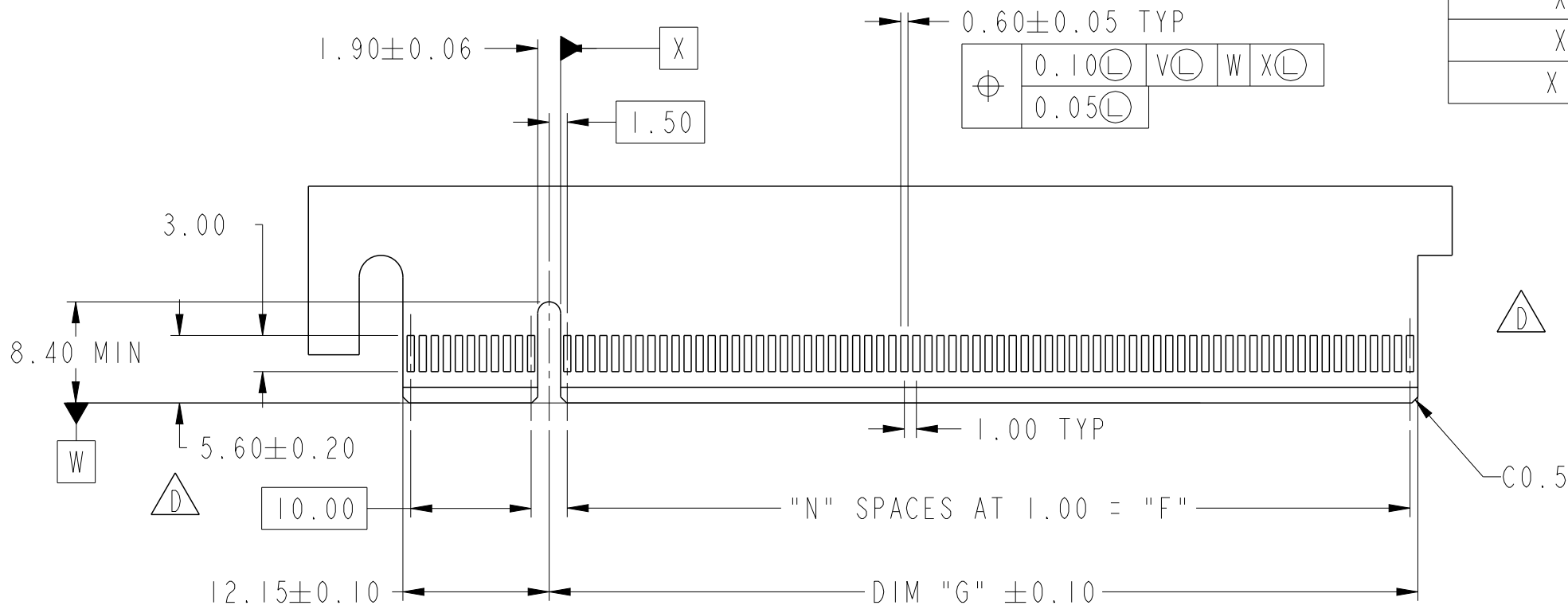
SECTION A-A



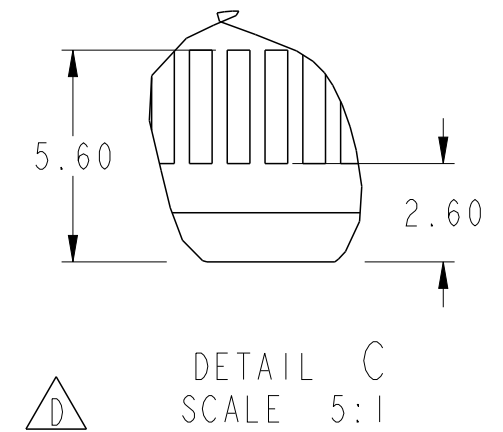
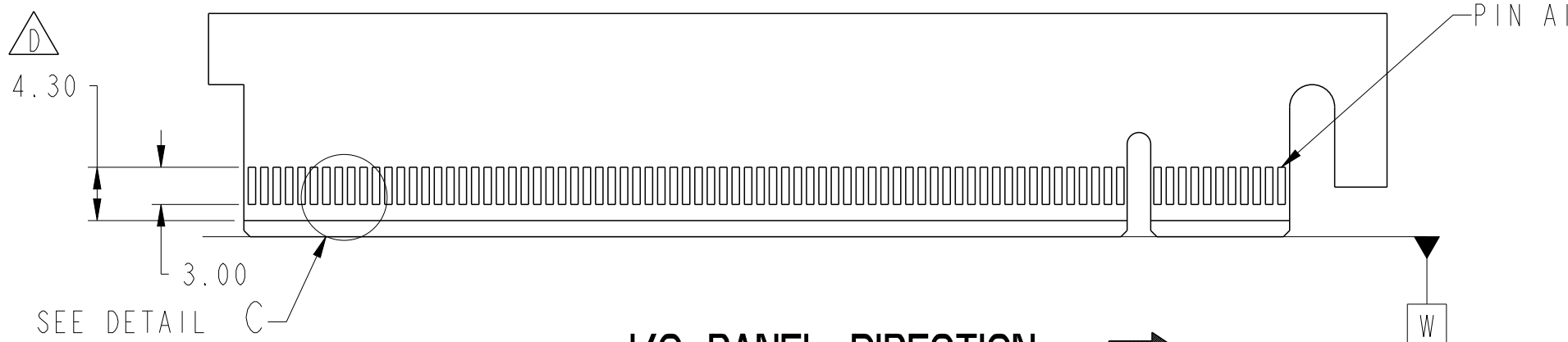
SECTION E-E
SCALE 3:1

spec ref	-	dr	Cheong, Matthe	2018/01/09	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	-	2020/08/31	chr	-	ecn no	ELX-S-37378-1	rel level	Released
surface	-	appr	Koon-Poh Tay	2020/09/14	product family	PCI express	dwg no	10146070	rev	D
ISO 1302	linear	angular	0°	±2°	Amphenol FCI	PCI Express Gen 5 (32Gb/s)	cat. no.	-	Product - Customer Drw	sheet 1 of 5
www.fci.com	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 5		

CONNECTOR LINK WIDTH	POSITION	N	DIM "G"	DIM "F"
X1	36	6	8.15	6.00
X4	64	20	22.15	20.00
X8	98	37	39.15	37.00
X16	164	70	72.15	70.00



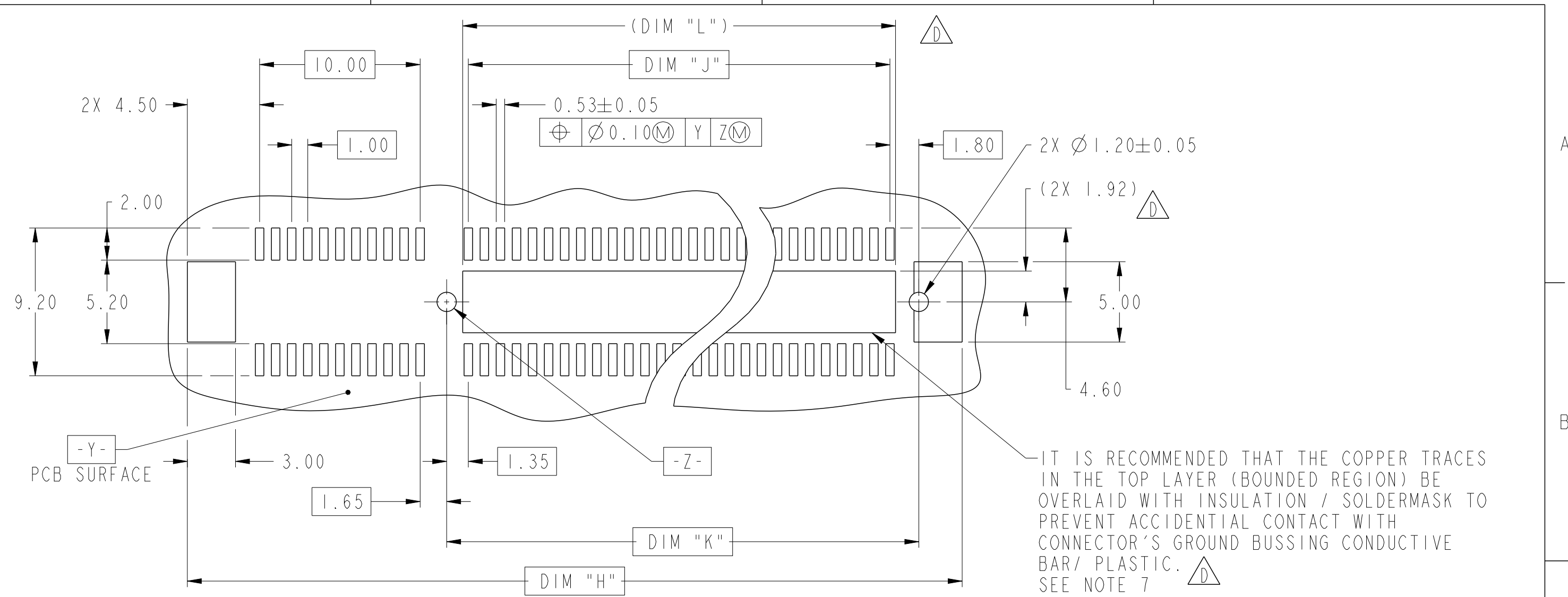
← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



→ 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	-	2020/08/31	chr	-	ecn no	ELX-S-37378-1	rel level	Released
surface	linear	appr	Koon-Poh Tay	2020/09/14	product family	PCI express	dwg no	10146070	rev	D
ISO 1302	angular	0°	$\pm 2^\circ$	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		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng -		2020/08/31						ecn no ELX-S-37378-1			
ISO 406				chr -											
ISO 1101				appr Koon-Poh Tay		2020/09/14		product family PCI express		rel level Released					
surface - 		linear		0.X ±0.30		Amphenol FCI		title PCI Express Gen 5 (32Gb/s)		dwg no 10146070		rev D			
														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

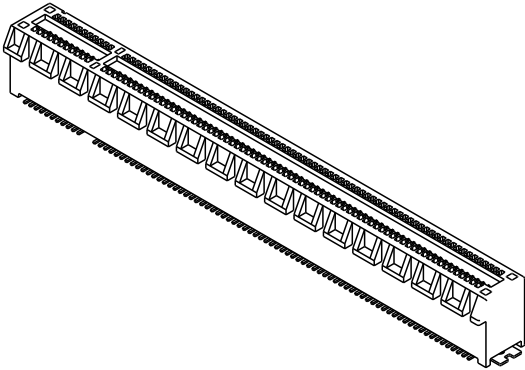
1: 30u" Au
2: 15u" Au

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, 22MM (98 & 164 POS)
B: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 86.5 MM (164 POS)
E: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 53 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, 22MM (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, 22MM (98 & 164 POS)
Z: HARD TRAY (DIM: 330 x 235 x 19.3) WITH KAPTON TAPE, 86.5MM (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

PICK-UP OPTIONS

0: NIL
1: PICK UP CAP
2: KAPTON TAPE, 22MM

PACKAGING OPTIONS

R: TAPE AND REEL

spec ref		-		dr	Cheong, Matthe	2018/01/09	projection 	MM 	size	A3	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	-	2020/08/31			ecn no	ELX-S-37378-1			
ISO 406 ISO 1101				chr	-	-			rel level	Released			
				appr	Koon-Poh Tay	2020/09/14	product family		PCI express				
surface 	linear 	0.X	±0.30	Amphenol FCi	title	PCI Express Gen 5 (32Gb/s) SMT Type				dwg no	10146070		rev D
		0.XX	±0.20										
		0.XXX	±0.1										
	ISO 1302	angular	0°	±2°	cat. no.	-	Product - Customer Drw				sheet 4 of 5		



MM

ELX-S-37378-1

Released



PCI Express Gen 5 (32Gb/s)
SMT Type

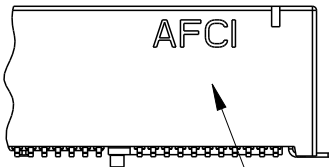
10146070

D



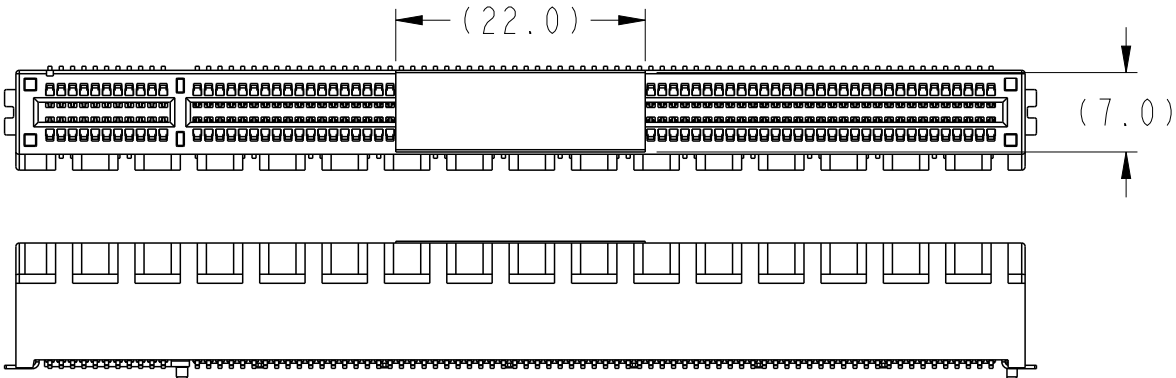
NOTES:

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.

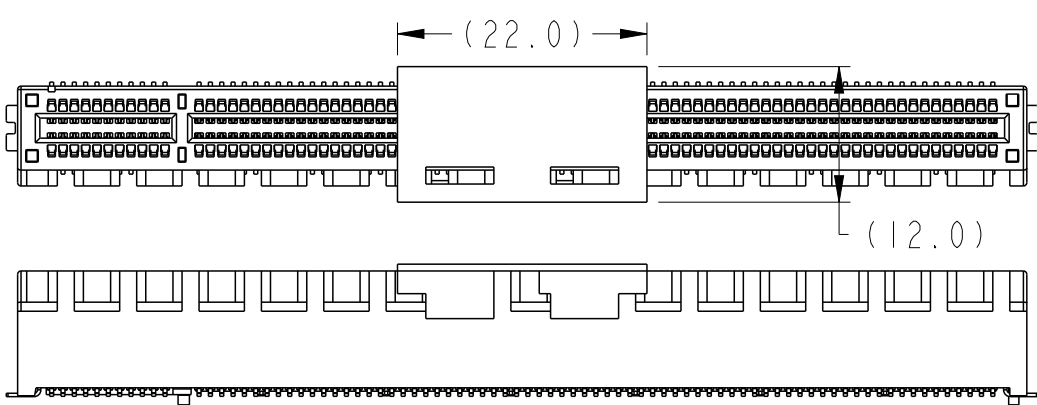


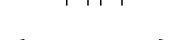
DATA CODE &
PARTNO

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	-	2020/08/31			ecn no	ELX-S-37378-1		
				chr	-	-			rel level Released			
				appr	Koon-Poh Tay	2020/09/14	product family					PCI express
surface  ISO 1302	linear	0.X	±0.30	Amphenol FCI	title	PCI Express Gen 5 (32Gb/s)			dwg no	10146070		rev D
		0.XX	±0.20									
		0.XXX	±0.1									
				www.fci.com	cat. no.	Product - Customer Drw				sheet 5 of 5		