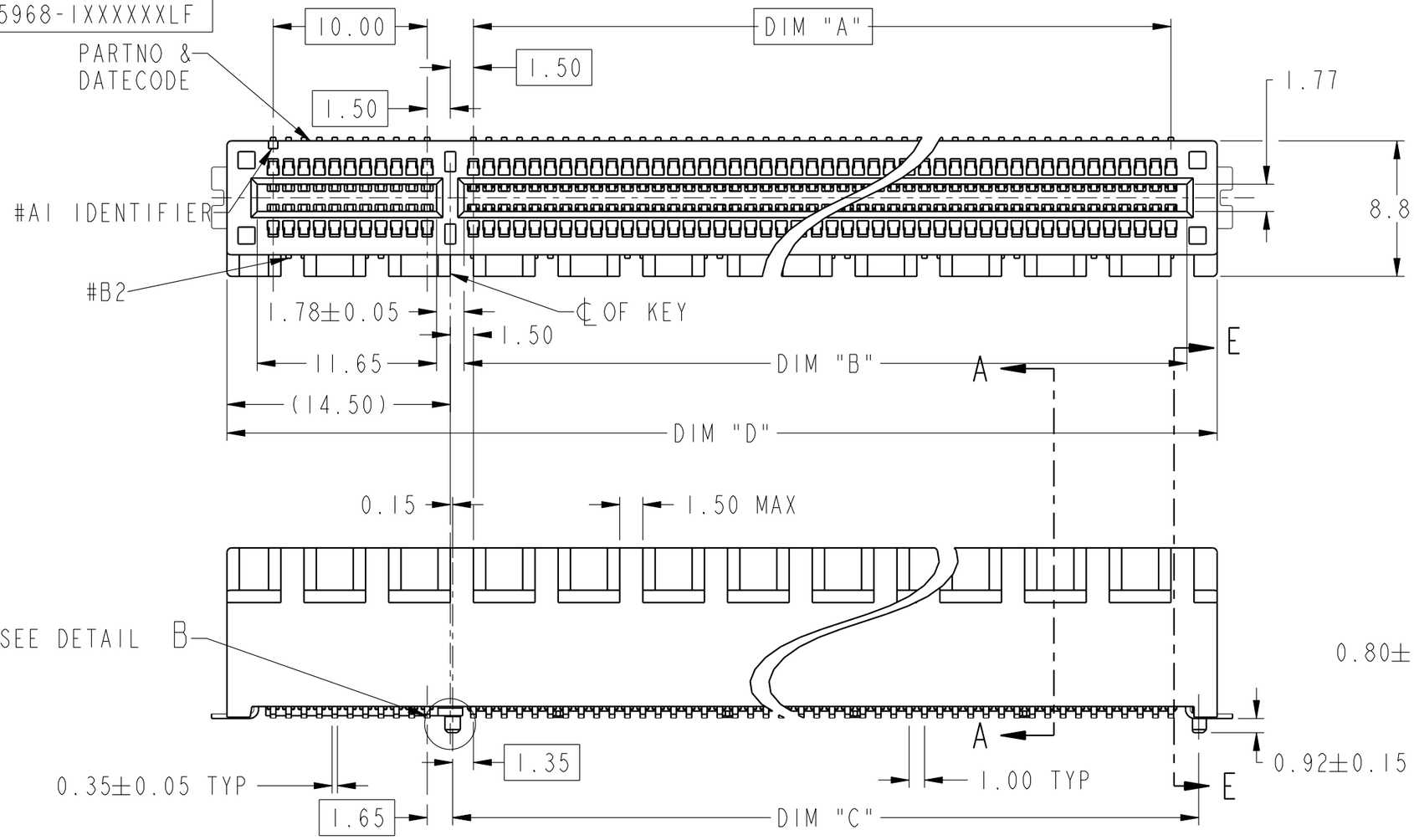
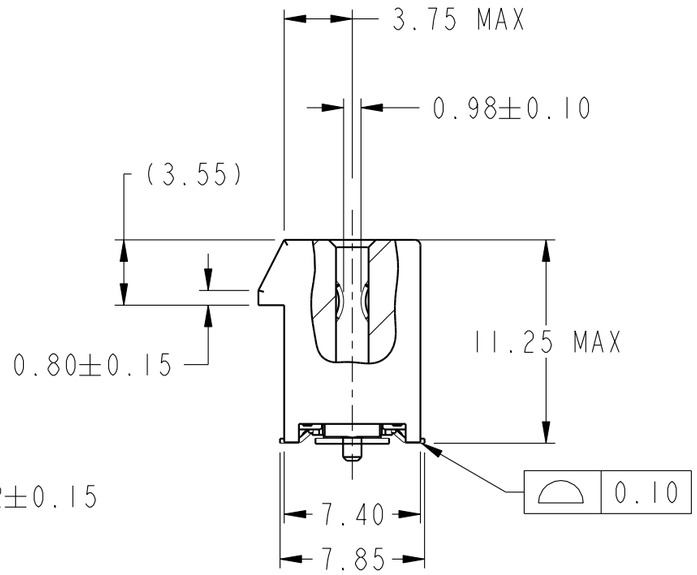
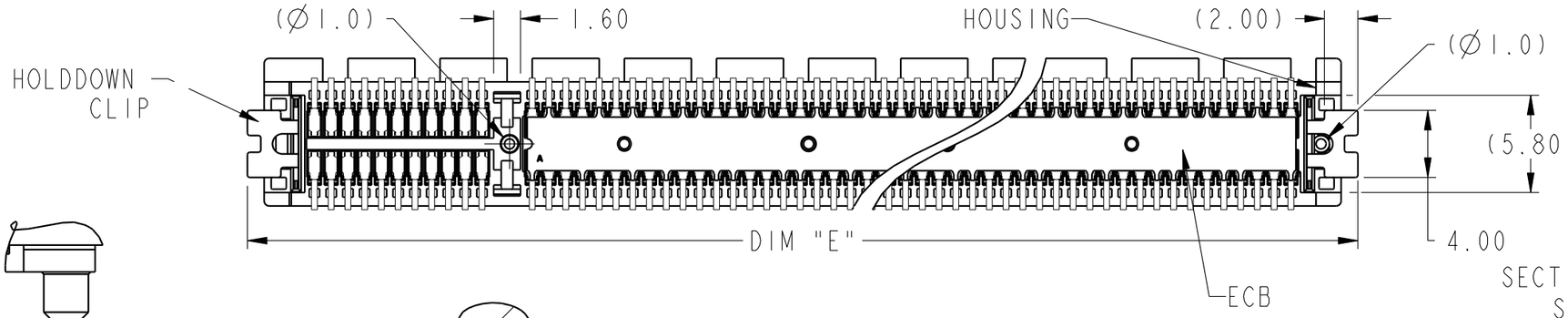
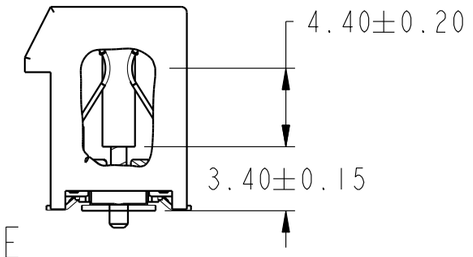
PRODUCT PARTNUMBER
10165968-1XXXXXXLF



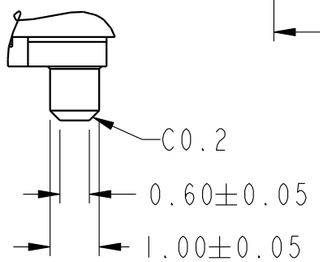


SECTION A-A

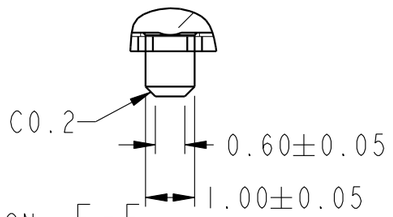




SECTION E-E
SCALE 3:1



DETAIL B
SCALE 8:1



SECTION E-E
SCALE 8:1

spec ref	-			dr	Cheong, Matthe	2022/03/11	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2024/05/13		
				chr	-	-		
surface - ISO 1302	linear	0.X	±0.30	appr	Koon-Poh Tay	2024/05/13	product family	PCI express
		0.XX	±0.20					
		0.XXX	±0.1					
	angular	0°	±2°					

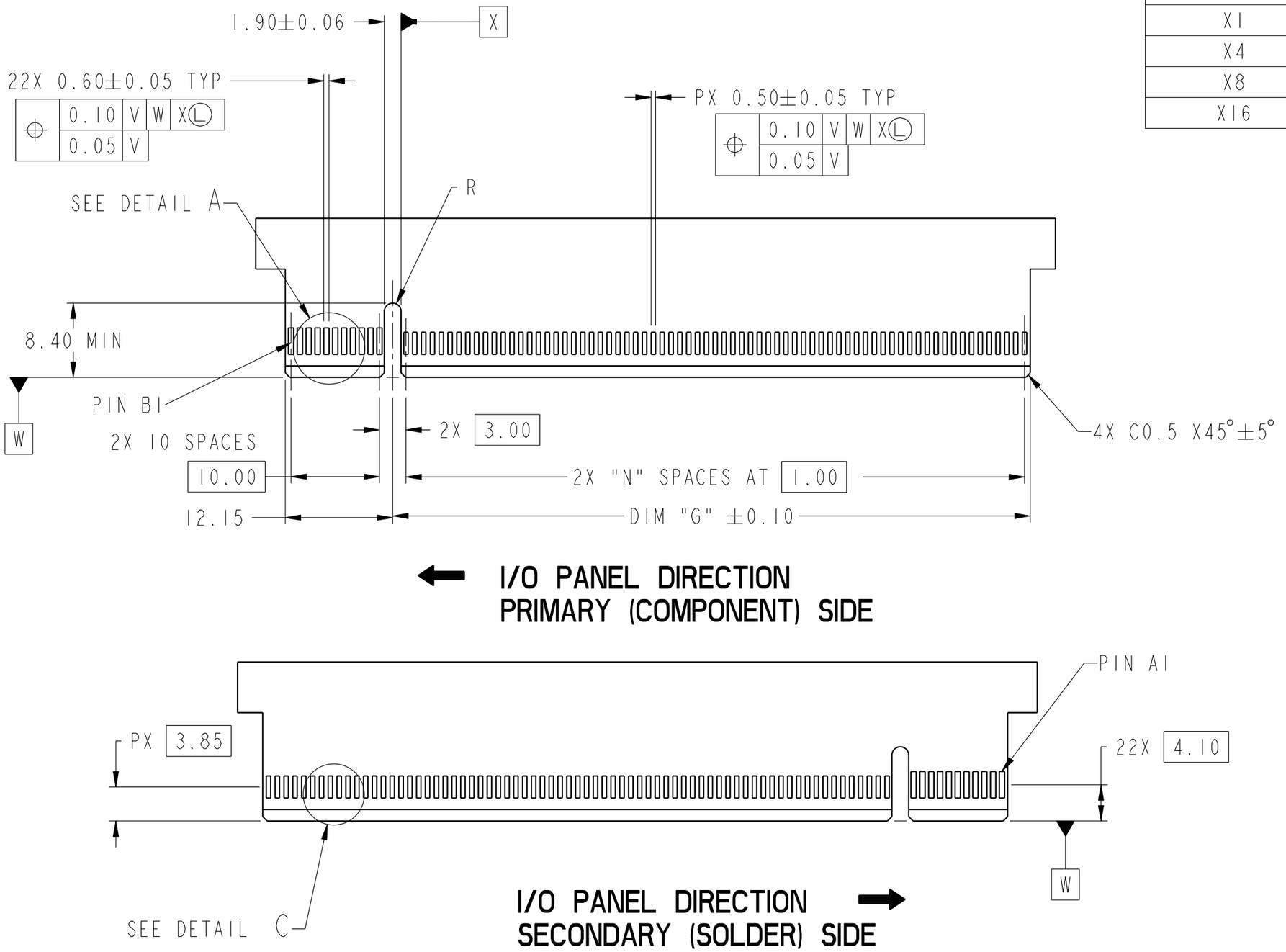
size A3	scale 3:1	Amphenol FCi	title PCI Express Gen 6 SMT Type	dwg no 10165968	rev A
ecn no		www.fci.com	cat. no. -	Product - Customer Drw	sheet 1 of 4
rel level Released					

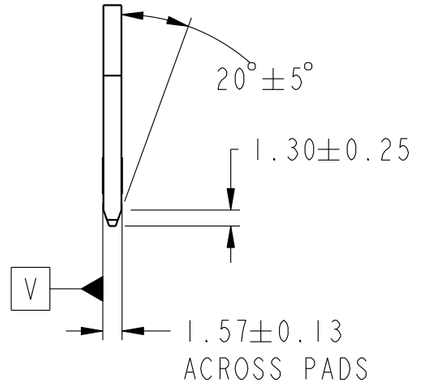
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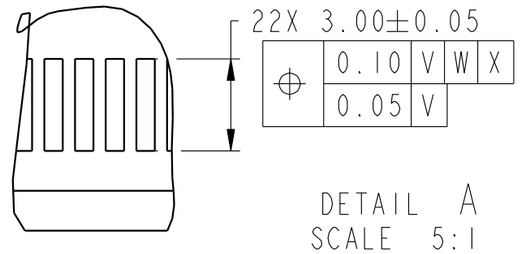
Creo File:ELX-WC-A3C.REV F.2020-12-21

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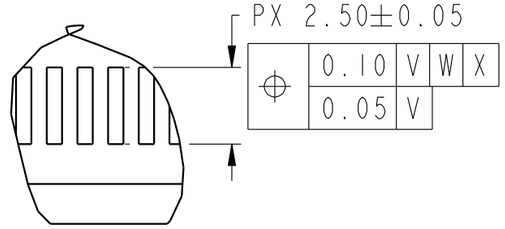
CONNECTOR LINK WIDTH	POSITION	N	P	DIM "G"	DIM "F"
X1	36	6	14	8.15	6.00
X4	64	20	42	22.15	20.00
X8	98	37	76	39.15	37.00
X16	164	70	142	72.15	70.00







DETAIL A
SCALE 5:1



DETAIL C
SCALE 5:1

← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE

I/O PANEL DIRECTION →
SECONDARY (SOLDER) SIDE

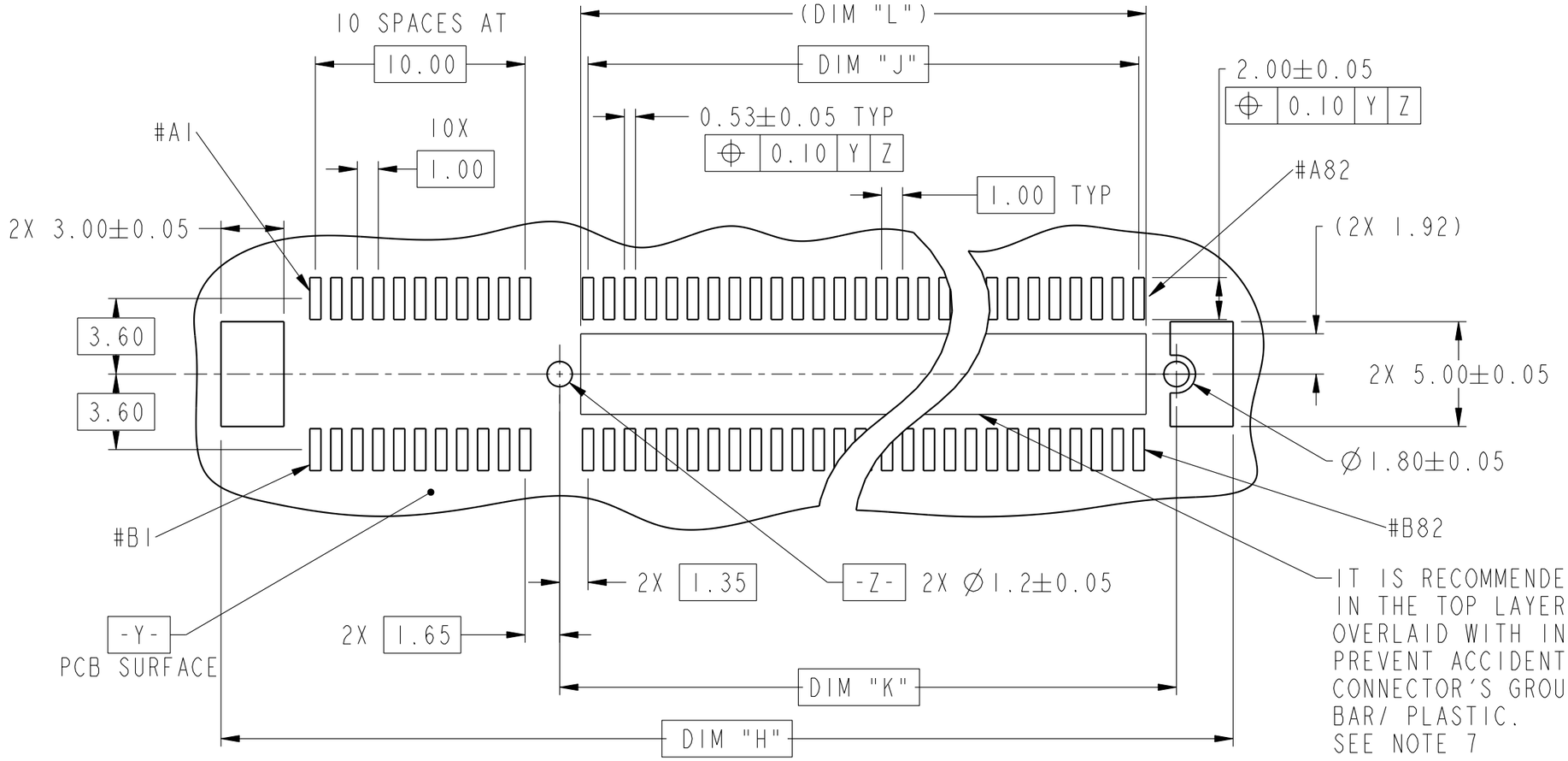
1. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN A1 AND PIN "L".
2. CHAMFER EDGES MUST BE FREE FROM CUTTING BURRS.
3. TOLERANCES FOR A1C, UNLESS OTHERWISE SPECIFIED IS : ±0.13.
4. CONTACT AFCI ENGINEERING FOR SI REPORT.

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spec ref	-			dr	Cheong, Matthe	2022/03/11	projection: MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2024/05/13	size A3 / scale 2:1
				chr	-	-	ecn no
				appr	Koon-Poh Tay	2024/05/13	product family: PCI express / rel level: Released
surface ISO 1302	linear	0.X	±0.30	Amphenol FCI	title: PCI Express Gen 6 SMT Type		dwg no: 10165968 / rev: A
		0.XX	±0.20				
		0.XXX	±0.1				
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 2 of 4

Creo File:ELX-WC-A3C,REV F,2020-12-21

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IT IS RECOMMENDED THAT THE COPPER TRACES IN THE TOP LAYER (BOUNDED REGION) BE OVERLAID WITH INSULATION / SOLDERMASK TO PREVENT ACCIDENTIAL CONTACT WITH CONNECTOR'S GROUND BUSSING CONDUCTIVE BAR/ PLASTIC.
SEE NOTE 7

RECOMMENDED PCB LAYOUT, PAD TYPE

DIMENSIONS									
POSITION	A	B $^{+0.15}_{-0.05}$	C ±0.10	D ±0.23	E ±0.20	H ±0.05	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

1. TOLERANCES FOR PCB, UNLESS OTHERWISE SPECIFIED IS : ±0.13.

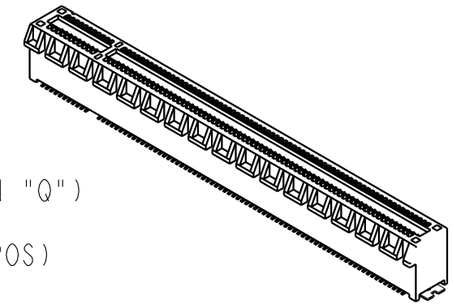
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spec ref	-	dr	Cheong, Matthe	2022/03/11	projection	MM	size A3 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Cheong, Matthe	2024/05/13			ecn no
		chr	-	-			
		appr	Koon-Poh Tay	2024/05/13	product family	PCI express	rel level Released
surface - ISO 1302	linear 0.X ±0.30; 0.XX ±0.20; 0.XXX ±0.1 / angular 0° ±2°	Amphenol FCi	title	PCI Express Gen 6 SMT Type	dwg no	10165968	rev A
		www.fci.com	cat. no.	-	Product - Customer Drw		sheet 3 of 4

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PRODUCT NUMBER CODE 10165968- □□□□□ 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

PACKAGING OPTIONS

Q: HARD TRAY (DIM: 323 x 136 x 19) (98 & 164 POS)
T: SOFT TRAY (317.5 x 235 x 18) (36 & 64 POS)
Y: HARD TRAY (DIM: 330 x 235 x 19.3) (98 & 164 POS)

PICK-UP OPTIONS

0: NIL
1: PICK UP CAP (NOT AVAIL. FOR PACKAGING OPTION "Q")
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)

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.

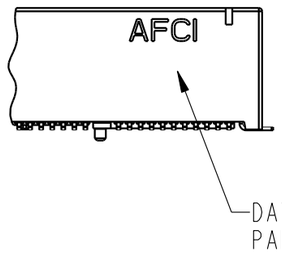
3. PRODUCT SPECIFICATION: GS-12-1406

4. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-004.

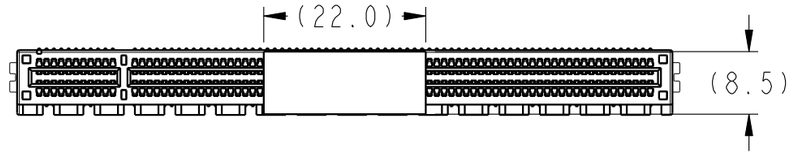
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. L IS AFCI PRODUCTION SITE.

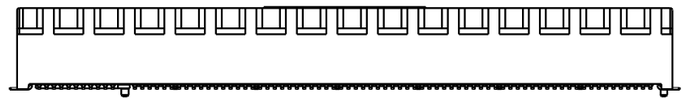
6. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

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.

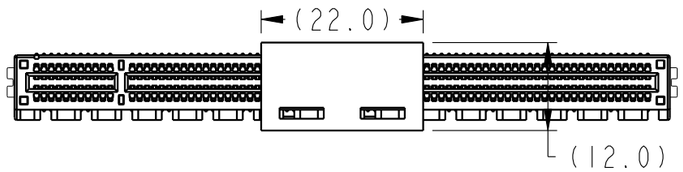


POSITION OF KAPTON TAPE





POSITION OF PICK UP CAP



spec ref	-			dr	Cheong, Matthe	2022/03/11	projection	MM	size A3 / scale 3:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2024/05/13			ecn no
				chr	-	-			rel level Released
				appr	Koon-Poh Tay	2024/05/13	product family	PCI express	
surface - ISO 1302	linear	0.X	±0.30	Amphenol FCI	title	PCI Express Gen 6 SMT Type		dwg no 10165968	rev A
		0.XX	±0.20						
		0.XXX	±0.1		cat. no.	-	Product - Customer Drw		sheet 4 of 4
	angular	0°	±2°						

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