

PRODUCT PARTNUMBER
10144667-1XXX0LF

DATA CODE &
PARTNO

#AI IDENTIFIER

DIM "A"

10.00

1.51

1.50

1.77

8.80

1.78±0.05

CL OF KEY

DIM "B"

11.65

DIM "D"

(14.50)

1.50

0.15

1.50 MAX

SEE DETAIL B

A

(3.55)

3.70 MAX

0.80±0.15

11.25 MAX

0.92±0.15

0.35±0.05 TYP

1.36

1.00 TYP

0.10

7.40

8.20

(Ø1.0)

1.60

HOUSING

(2.00)

(Ø1.0)

(5.80)

4.00

DIM "E"

C0.2

0.60±0.05

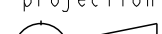


1.00±0.05

SECTION A-A
SCALE 8:1

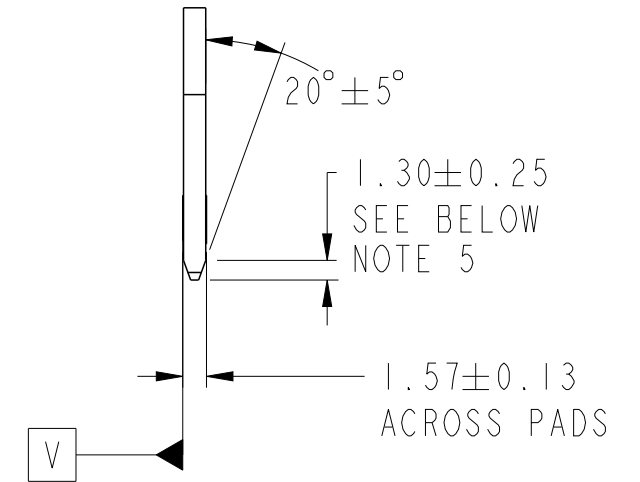
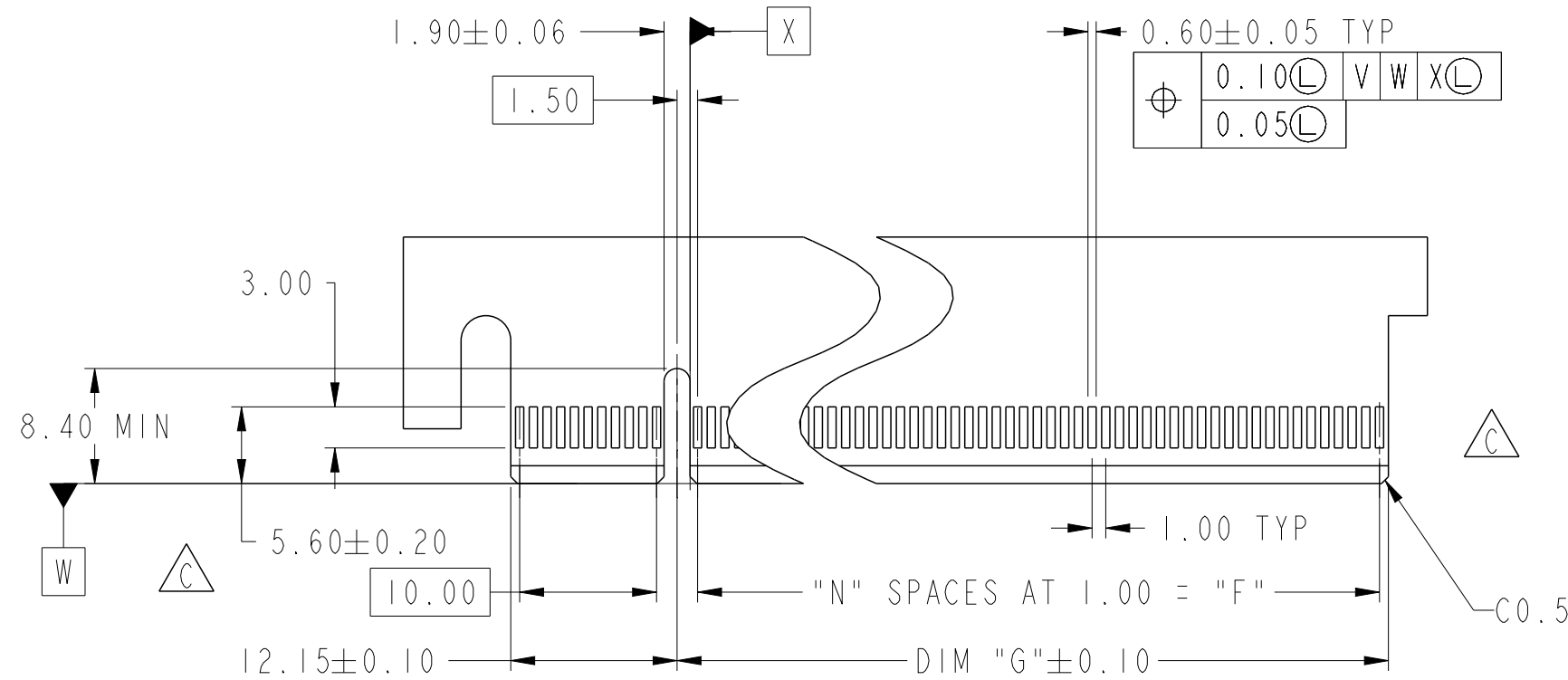
HOLDDOWN
CLIP

C0.2
0.60±0.05
1.00±0.05

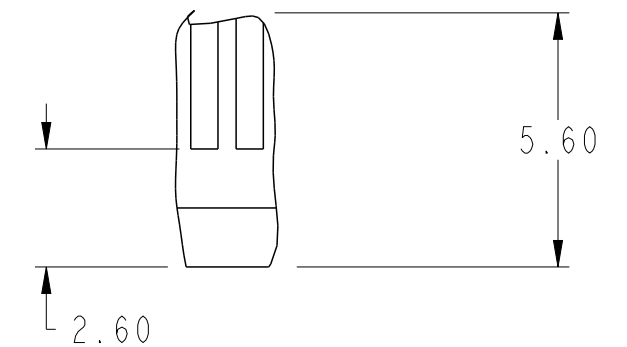
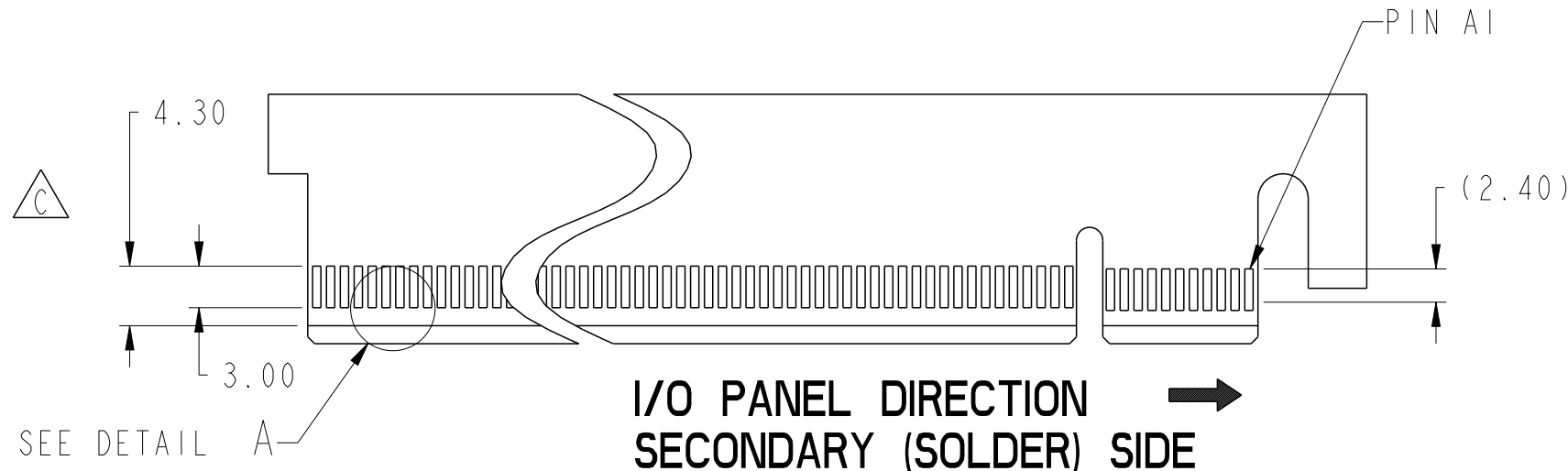
DETAIL B
SCALE 8:1

spec ref -		dr Cheong, Matthe		2018/01/10		<div>projection</div> 	<div>MM</div> 	size A3	scale 3:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Cheong, Matthe	2022/08/18			ecn no ELX-S-45679-1	rel level Released	
				chr -						
				appr Koon-Poh Tay						2022/08/26
surface -  ISO 1302	linear	0.X	±0.30	Amphenol FCI	title PCI Express Gen 5 (32Gb/s) SMT Type			dwg no 10144667	rev C	
		0.XX	±0.20							
		0.XXX	±0.1							
	angular	0°	±2°	www.fci.com	cat. no. -		Product - Customer Drw		sheet 1 of 4	

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



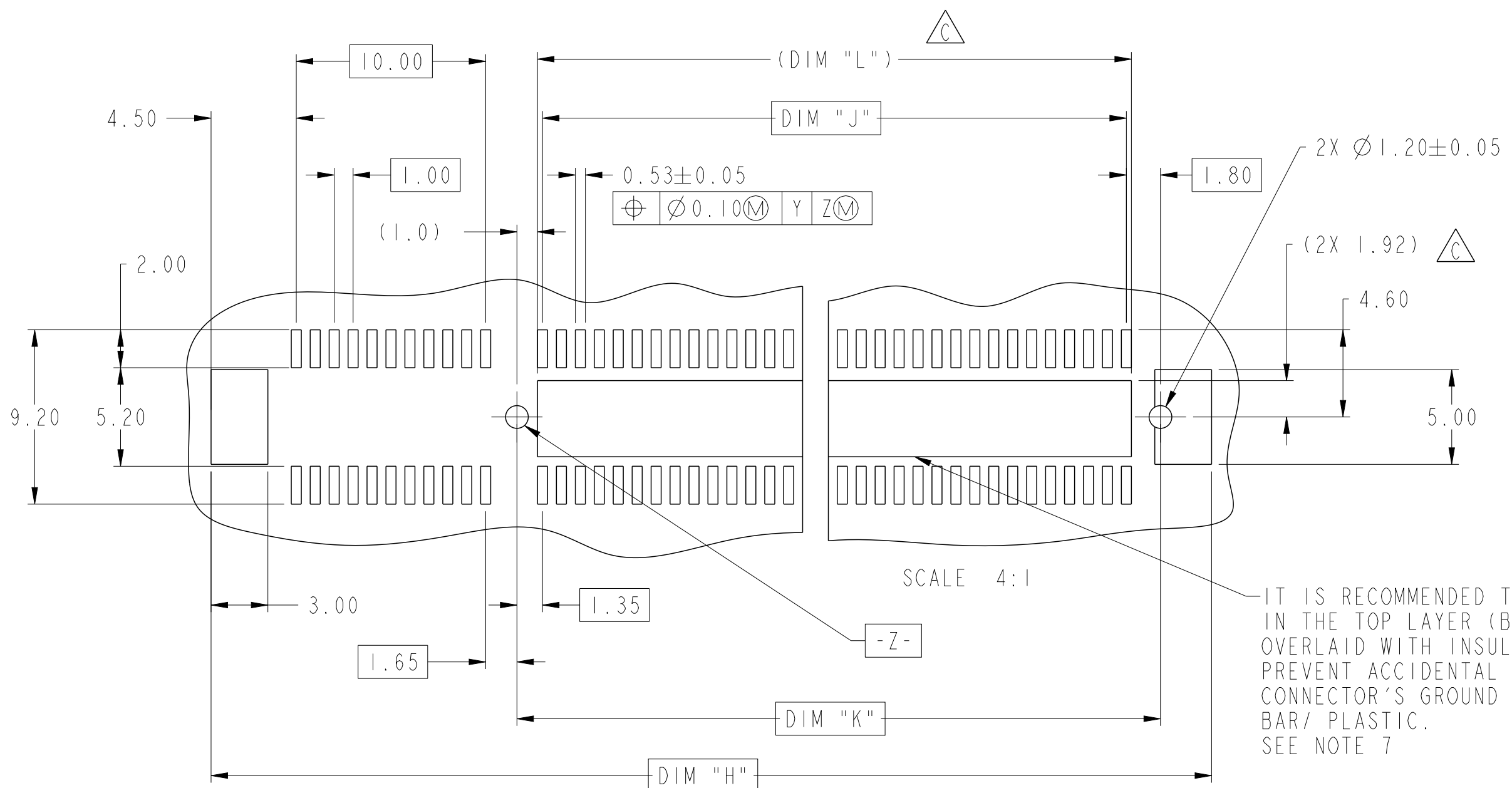
← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



DETAIL A
SCALE 6:1

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: ±0.13,
4. CONTACT AFCI ENGINEERING FOR SI REPORT.
5. ADD-IN-CARDGOLD FINGER DESIGN REFERENCED CEM REV 5.0 VER 0.7 JUNE 29, 2020

spec ref	-	dr	Cheong, Matthe	2018/01/10	projection	MM	size	A3	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2022/08/18	chr	-	ecn no	ELX-S-45679-1	rel level	Released
surface	linear	appr	Koon-Poh Tay	2022/08/26	product family	PCI express	rel level	Released	rev	C
ISO 1302	angular	0°	±2°	Amphenol FCI	PCI Express Gen 5 (32Gb/s)	dwg no	10144667	cat. no.	Product - Customer Drw	sheet 2 of 4



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	2018/01/10			size	A3	scale	4:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng		Cheong, Matthe	2022/08/18			ecn no		ELX-S-45679-1		
		chr		-	-			rel level		Released		
ISO 406 ISO 1101		appr		Koon-Poh Tay	2022/08/26	product family		PCI express				
surface - 	linear	0.X	±0.30	Amphenol FCI	title	PCI Express Gen 5 (32Gb/s) SMT Type		dwg no	10144667		rev	C
		0.XX	±0.20									
		0.XXX	±0.1									
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 3 of 4		

PRODUCT NUMBER CODE

10144667-□□□□0LF

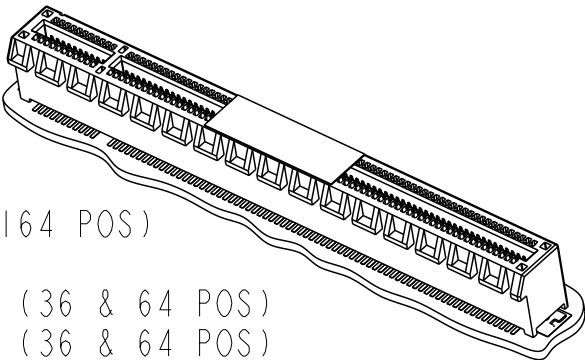
HOUSING COLOR

1: BLACK

CONTACT AREA PLATING

PACKAGING OPTIONS

- A: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE (164 POS)
Q: HARD TRAY (DIM: 323 x 136 x 19) (164 POS)
C: SOFT TRAY (DIM: 317.5 x 235 x 18) WITH PICK UP CAP (36 & 64 POS)
T: SOFT TRAY (DIM: 317.5 x 235 x 18) WITH KAPTON TAPE (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 (98 & 164 POS)
Z: HARD TRAY (DIM: 330 x 235 x 19.3 WITH KAPTON TAPE, 86MM (164 POS)



NOTES:

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

NO. OF POSITION

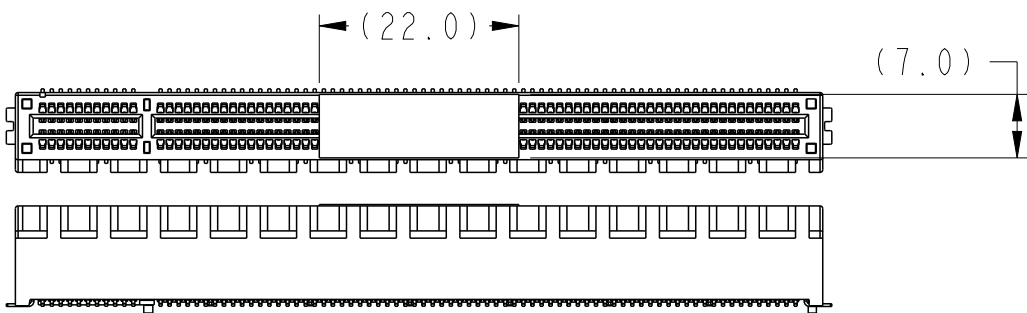
1. MATERIAL:
HOUSING: HIGH PERFORMANCE RESINS, GLASS FILLED, UL94V-0
CONTACT: COPPER ALLOY.
HOLDDOWN CLIPS: COPPER ALLOY

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

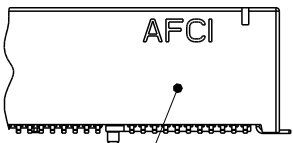
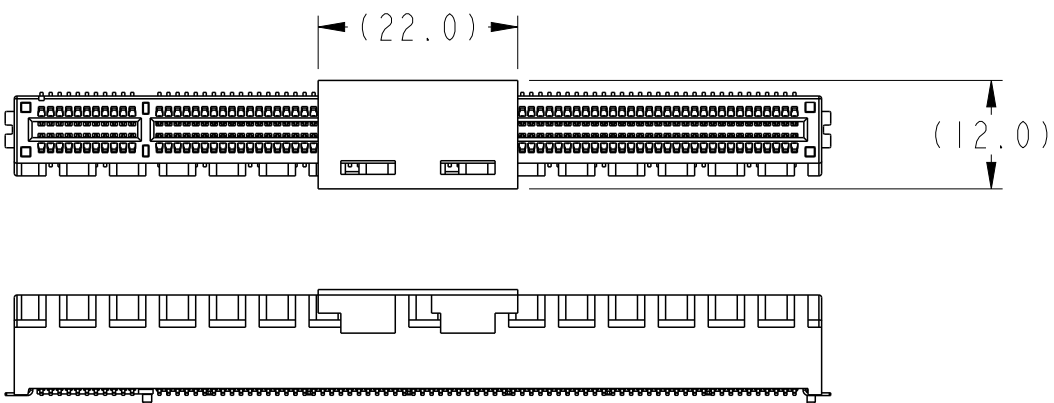
2. PLATING:
CONTACT: UNDERPLATE: 50u" NICKEL OVER ALL.
SOLDER AREA: 100u" TIN (LEAD FREE).
MATING AREA: SEE PRODUCT NUMBER CODE.
HOLDDOWN CLIP: 100u" TIN OVER 50 u" NICKEL.

3. PRODUCT SPECIFICATION: GS-12-1406
4. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. " L" IS AFCI PRODUCTION SITE.
6. THIS 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 CHAPER 6 OF PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION.





POSITION OF KAPTON TAPE



POSITION OF PICK UP CAP



DATA CODE & PARTNO

spec ref -				dr	Cheong, Matthe	2018/01/10			size	A3	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2022/08/18			ecn no	ELX-S-45679-1			
ISO 406				chr	-	-			rel level Released				
ISO 1101				appr	Koon-Poh Tay	2022/08/26						product family PCI express	
 ISO 1302	linear	0.X	±0.30		title	PCI Express Gen 5 (32Gb/s)			dwg no	10144667		rev	C
		0.XX	±0.20										
		0.XXX	±0.1										
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw				sheet 4 of 4			