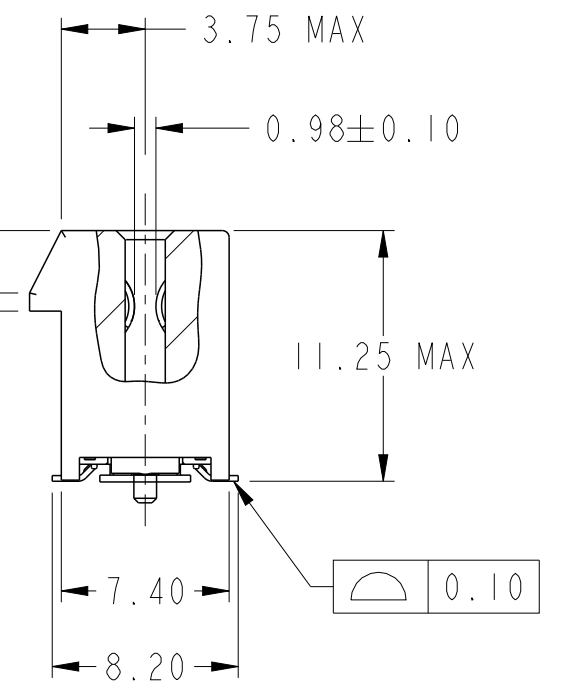
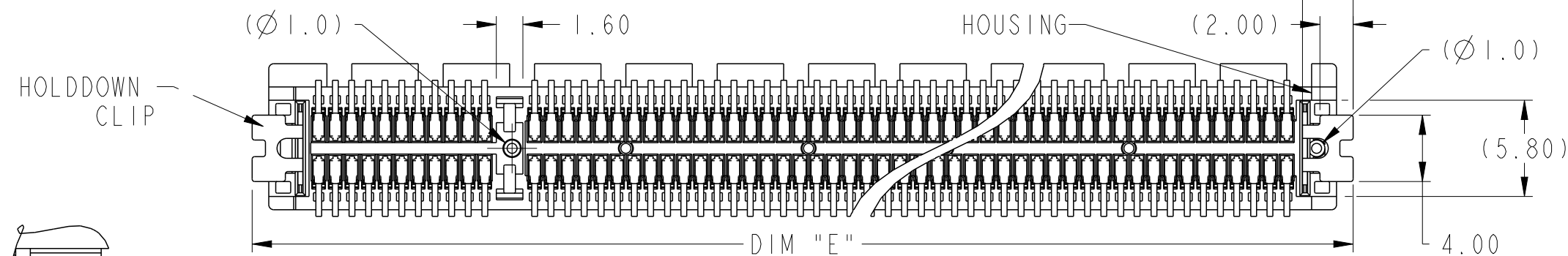
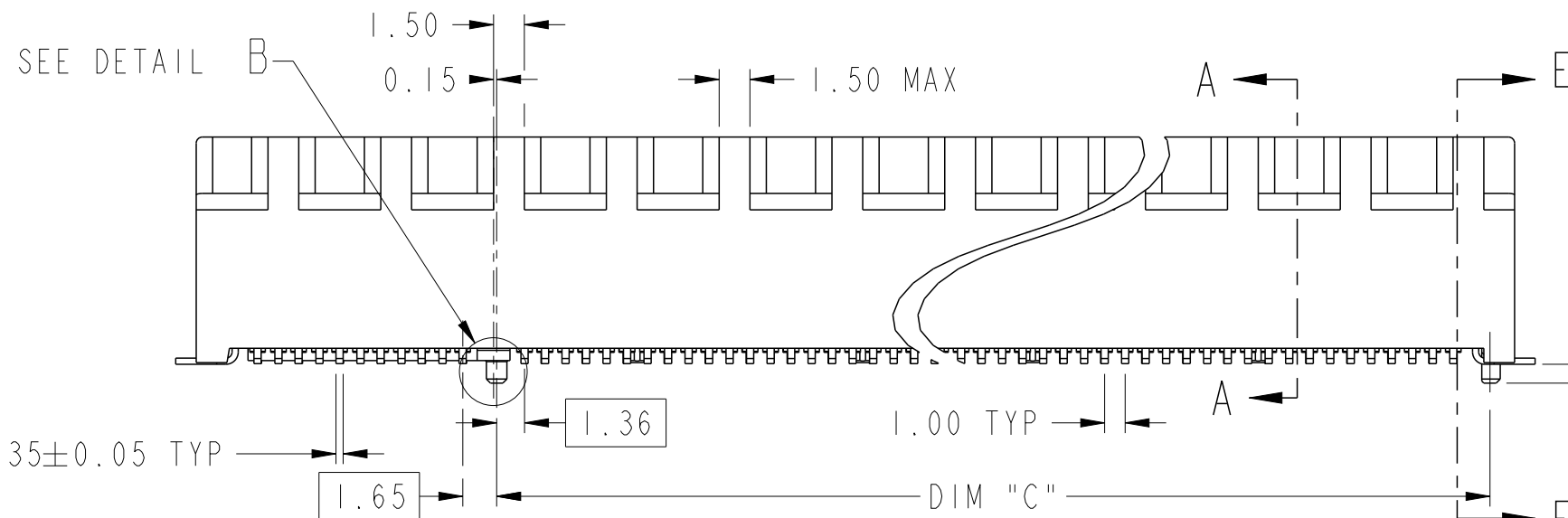
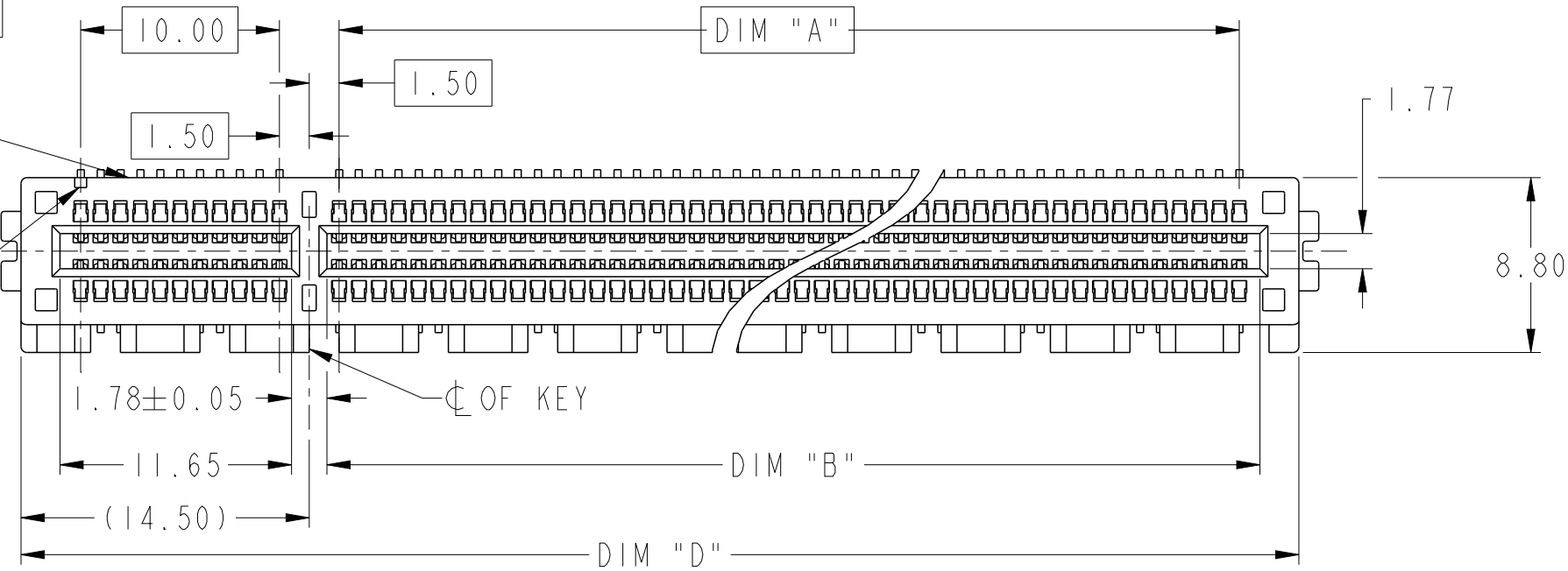


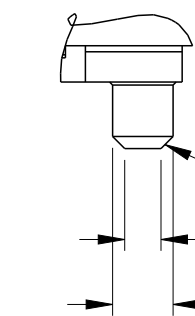
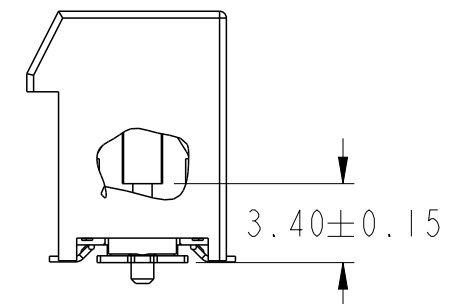
PRODUCT PARTNUMBER
10146065-XXXXLFL

PARTNO &
DATECODE

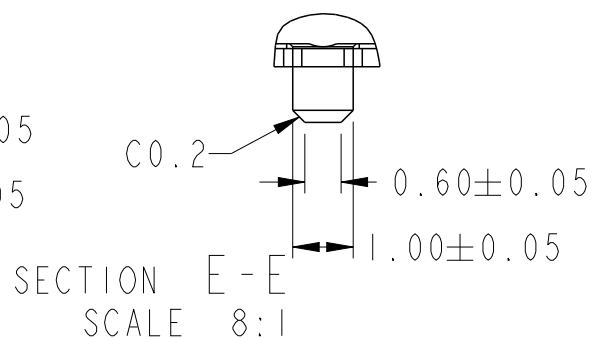
#AI IDENTIFIER



SECTION E-E
SCALE 3:1



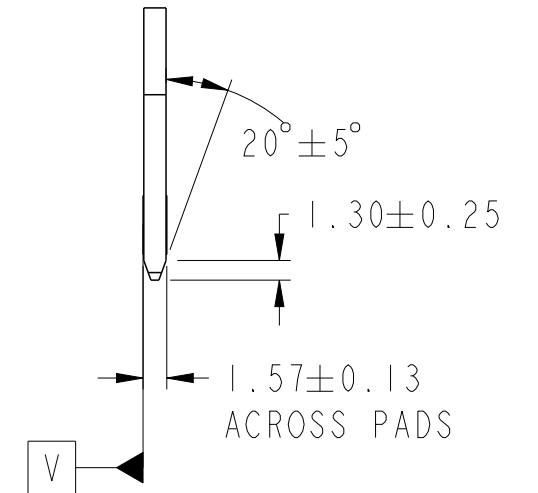
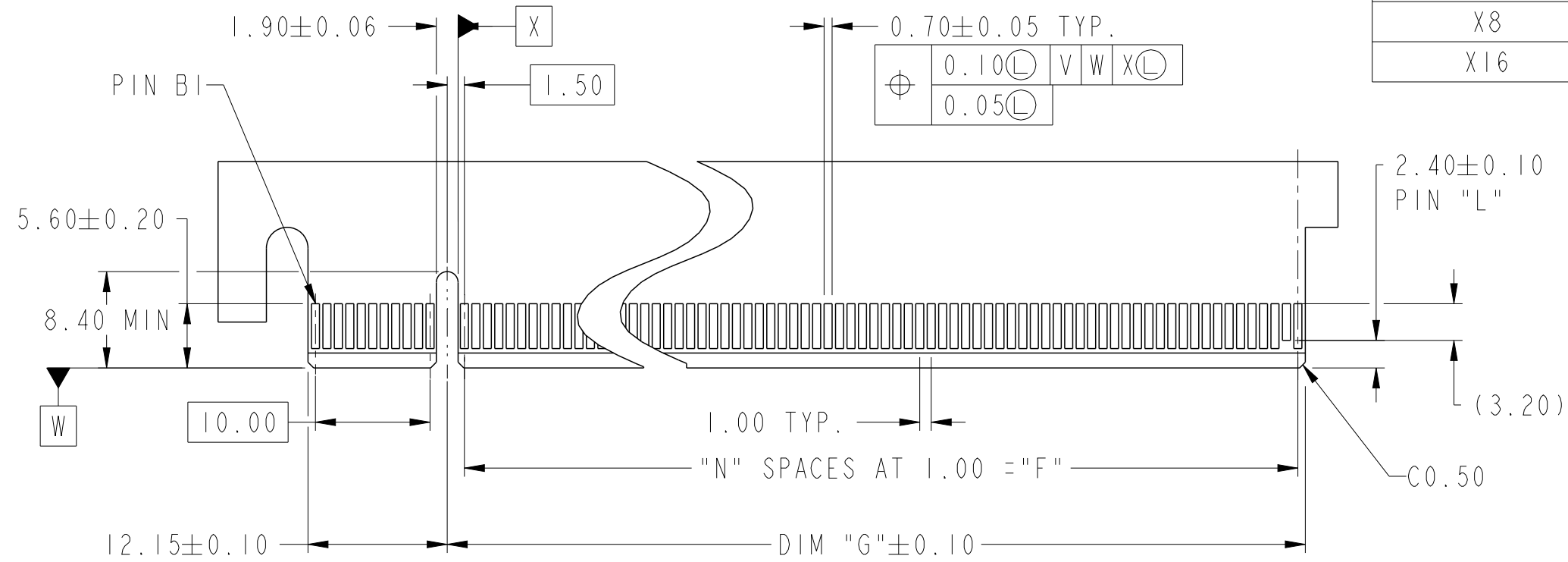
DETAIL B
SCALE 8:1



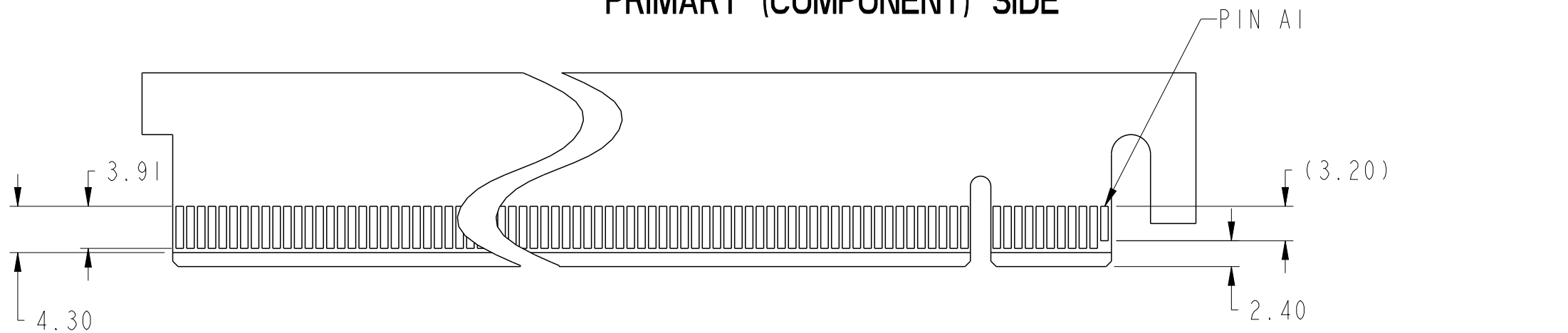
SECTION E-E
SCALE 8:1

spec ref	-	dr	Cheong, Matthe	2017/11/06	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2018/07/19	chr	-	ecn no	ELX-S-30728-1	rel level	Released
surface	-	appr	Koon-Poh Tay	2018/07/26	product family	PCI express	rel level	Released	rev	E
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.1	Amphenol FCi	PCI Express 4.0	dwg no	10146065	cat. no.	-	Product - Customer Drw	sheet 1 of 4	
angular	0° ±2°	www.fci.com								

CONNECTOR LINK WIDTH	POSITION	N	DIM "G"	DIM "F"	PIN "L"
X1	36	6	8.15	6.00	B17
X4	64	20	22.15	20.00	B31
X8	98	37	39.15	37.00	B48
X16	164	70	72.15	70.00	B81



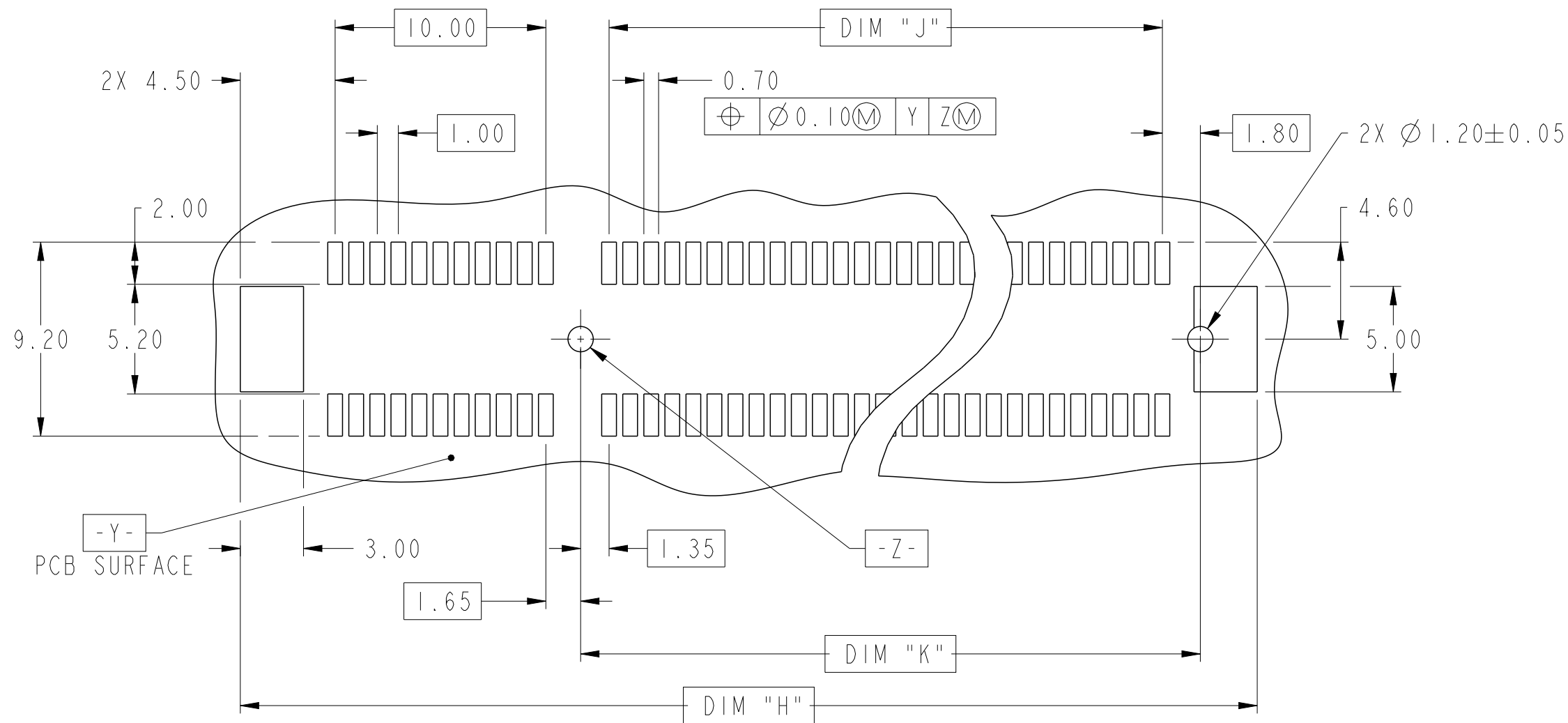
← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



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 OF CUTTING BURRS.
3. TOLERANCE : ± 0.13

spec ref	-	dr	Cheong, Matthe	2017/11/06	projection	MM	size	A3	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2018/07/19	chr	-	ecn no	ELX-S-30728-1	rel level	Released
surface	linear	appr	Koon-Poh Tay	2018/07/26	product family	PCI express	dwg no	10146065	rev	E
ISO 1302	angular	0°	±2°	Amphenol FCi www.fci.com	PCI Express 4.0 SMT Type	cat. no.	Product - Customer Drw	sheet 2 of 4		



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
36	6.00	7.65	9.15	25.00	27.00	28.00	6.00	9.15
64	20.00	21.65	23.15	39.00	41.00	42.00	20.00	23.15
98	37.00	38.65	40.15	56.00	58.00	59.00	37.00	40.15
164	70.00	71.65	73.15	89.00	91.00	92.00	70.00	73.15
98 (SEE NOTE)	37.00	38.65	40.15	56.00	56.60	59.00	37.00	40.15
164 (SEE NOTE)	70.00	71.65	73.15	89.00	89.60	92.00	70.00	73.15

spec ref	-	dr	Cheong, Matthe	2017/11/06	projection	MM	size	A3	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2018/07/19	chr	-	ecn no	ELX-S-30728-1	rel level	Released
surface	-	appr	Koon-Poh Tay	2018/07/26	product family	PCI express	rel level	Released	rev	E
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.1	Amphenol FCi	PCI Express 4.0	dwg no	10146065	cat. no.	-	Product - Customer Drw	sheet 3 of 4	
angular	0° ±2°	www.fci.com								

PRODUCT NUMBER CODE

10146065-□□□□□LF

HOUSING COLOR

1: BLACK

CONTACT AREA PLATING

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

NO. OF POSITION

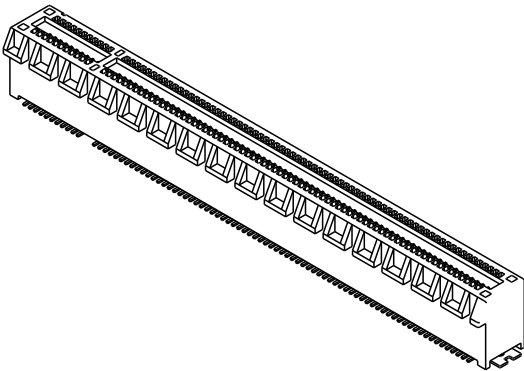
0: 36 POSITIONS
1: 64 POSITIONS
2: 98 POSITIONS
3: 164 POSITIONS

HOLDDOWN CLIP

0: NORMAL
1: SHORTER (BY 0.7MM PER SIDE)

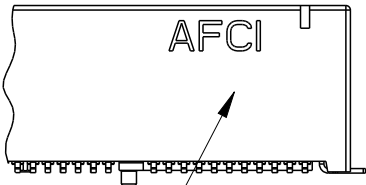
PACKAGING OPTIONS

A: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 22MM (164 POS)
B: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 86.5MM (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)
W: HARD TRAY (DIM: 330 x 235 x 19.3) WITH KAPTON TAPE. 30MM (98 & 164 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, 8.56MM (164 POS)



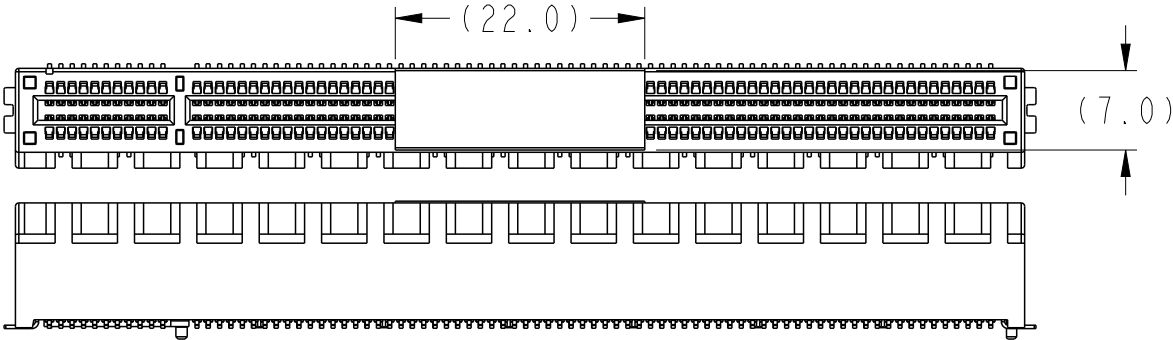
NOTES:

1. MATERIAL:
HOUSING: LCP
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. PARTNO: 10146065-**2*1LF & 10146065-**3*1LF, ARE OPTIONS WITH SHORTER HOLDDOWN CLIP FLAT AND PAD LENGTH

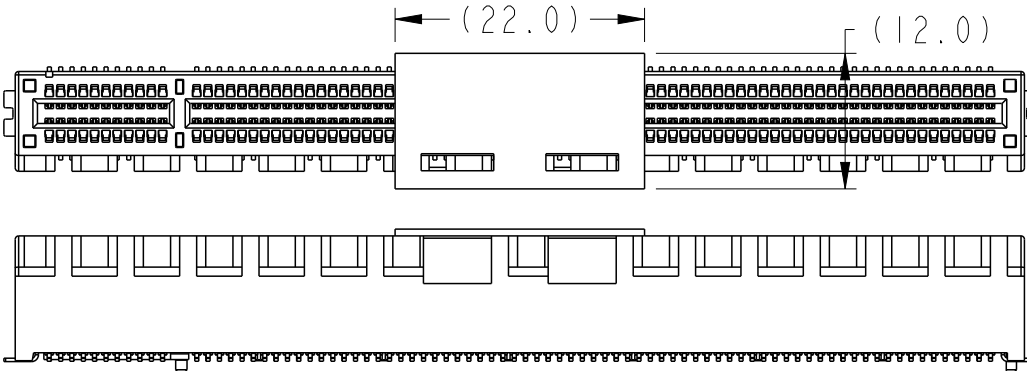


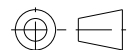
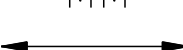
DATA CODE & PARTNO

POSITION OF KAPTON TAPE



POSITION OF PICK UP CAP



spec ref -				dr	Cheong, Matthe	2017/11/06	projection 	MM 	size	A3	scale	2:1
tolerance std				eng	Cheong, Matthe	2018/07/19			ecn no ELX-S-30728-1			
ISO 406 ISO 1101				chr	-	-			rel level Released			
				appr	Koon-Poh Tay	2018/07/26	product family		PCI express			
surface  ISO 1302	linear	0.X	±0.30	Amphenol FCI	title PCI Express 4.0 SMT Type			dwg no	10146065		rev E	
		0.XX	±0.20									
		0.XXX	±0.1									
		angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw			sheet 4 of 4	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[10146065-113A0LF](#) [10146065-120C0LF](#) [10146065-123W0LF](#) [10146065-122W0LF](#) [10146065-123Q0LF](#) [10146065-113Z0LF](#) [10146065-123Z0LF](#) [10146065-112Q0LF](#) [10146065-123F0LF](#) [10146065-123A0LF](#) [10146065-113F0LF](#)