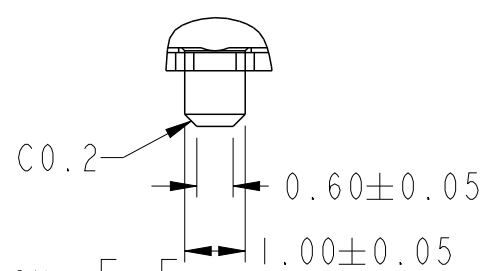
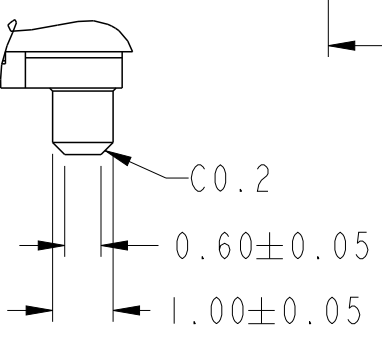
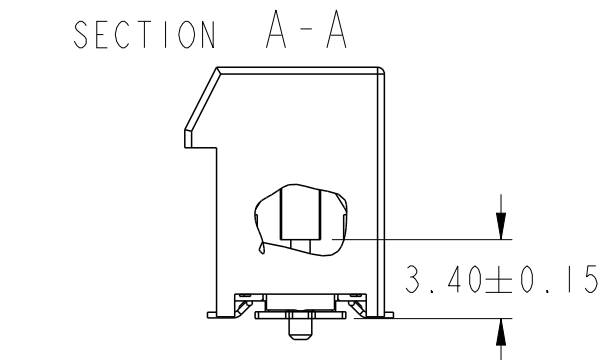
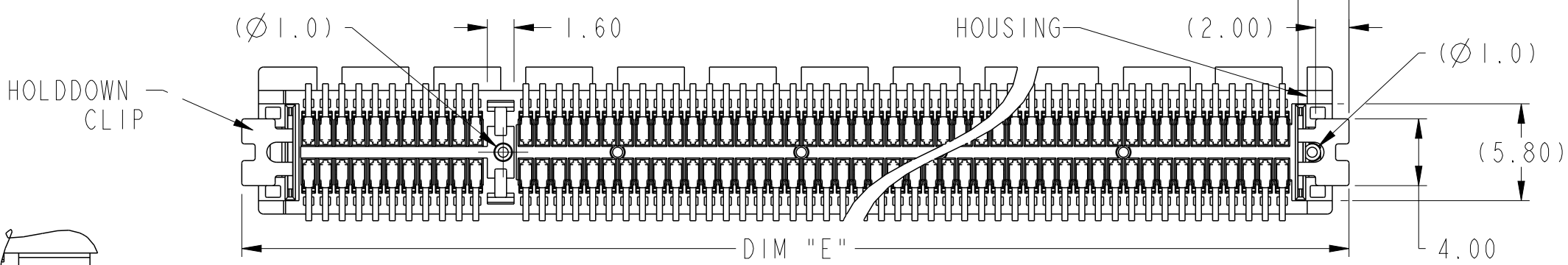
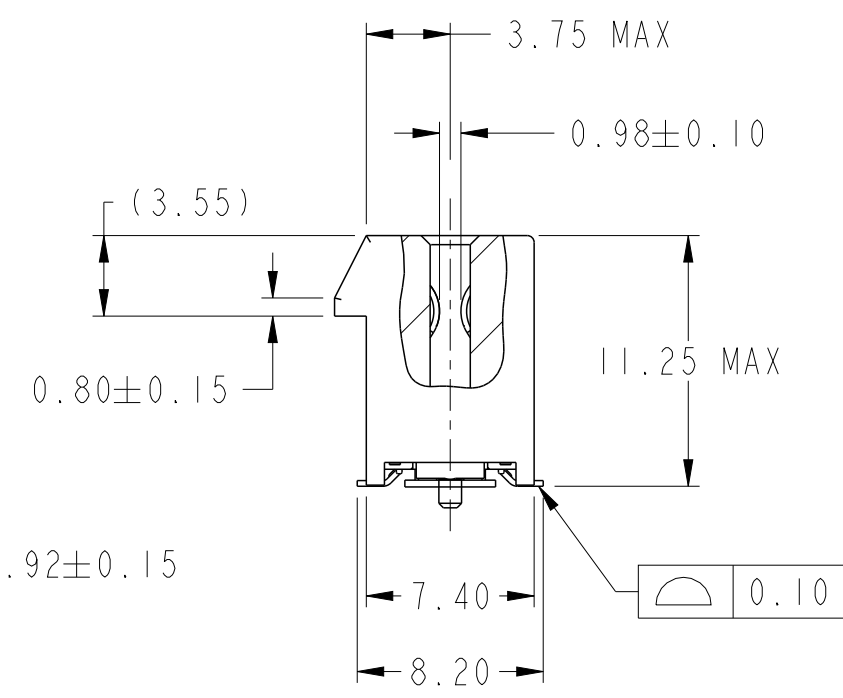
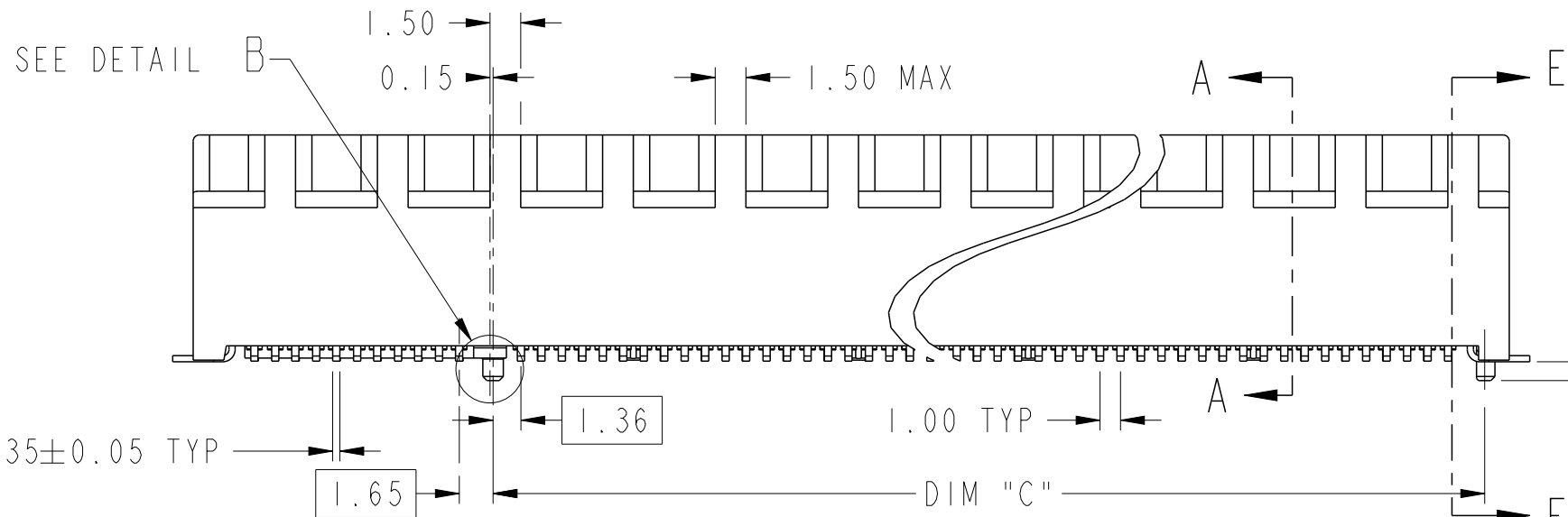
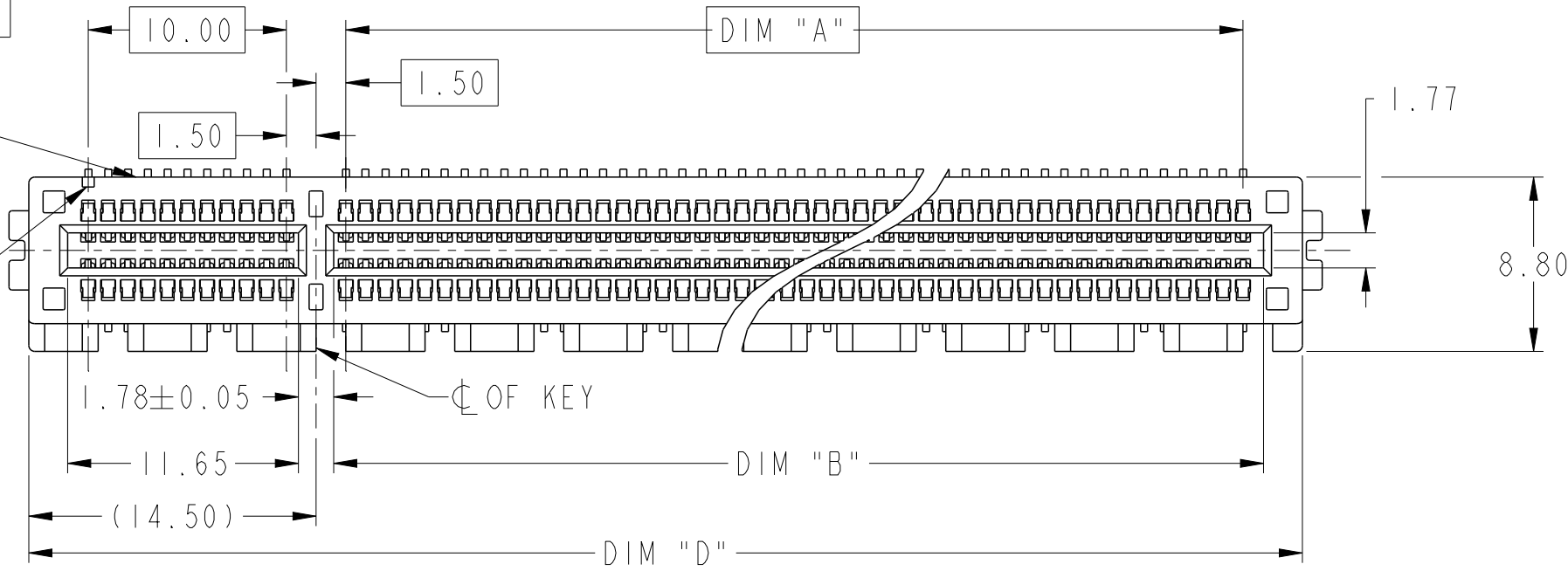


PRODUCT PARTNUMBER  
10146065-XXXXLF

PARTNO &  
DATECODE

#AI IDENTIFIER



DETAIL B  
SCALE 8:1

SECTION E-E  
SCALE 8:1

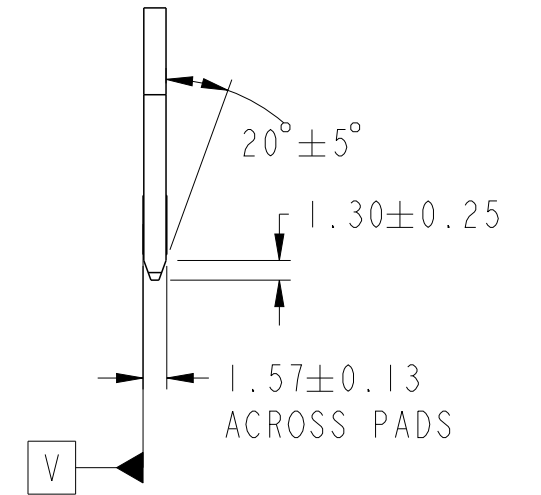
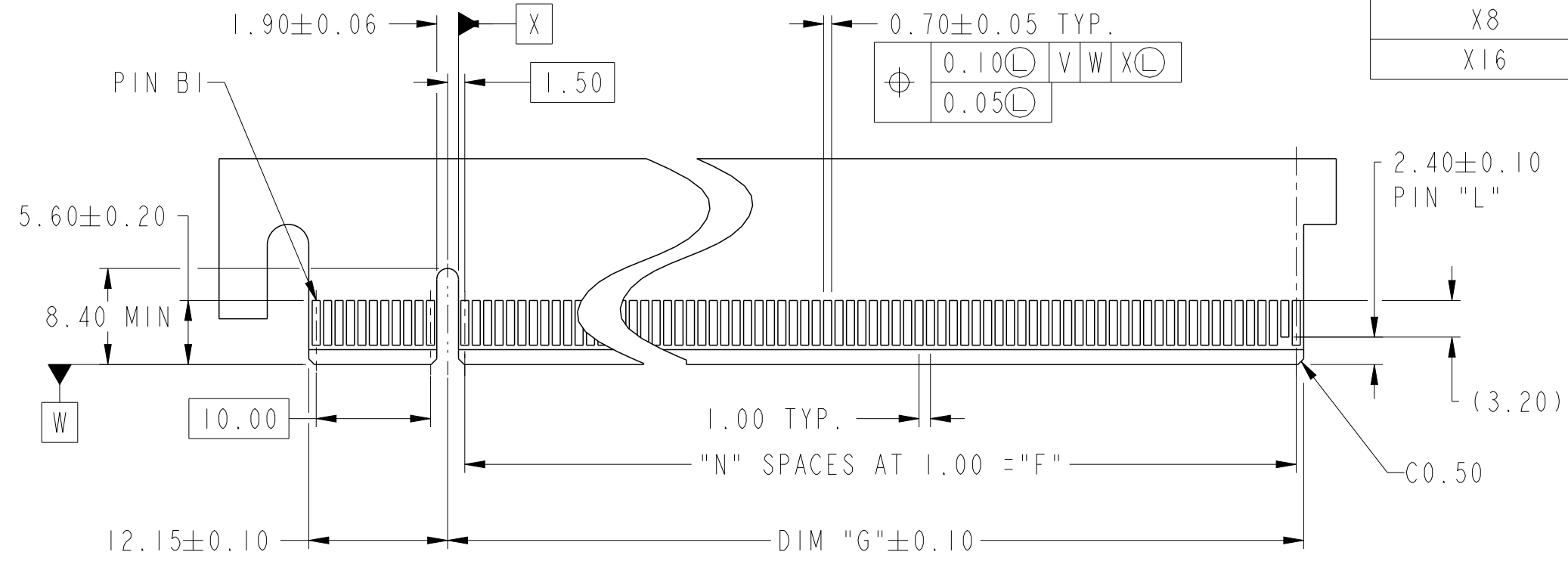
SECTION E-E  
SCALE 3:1

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			ecn no	ELX-S-30728-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			product family	PCI express		rel level
surface	linear	appr	Koon-Poh Tay	2018/07/26	PCI Express 4.0		dwg no	10146065	rev	E
ISO 1302	angular	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 1 of 4			

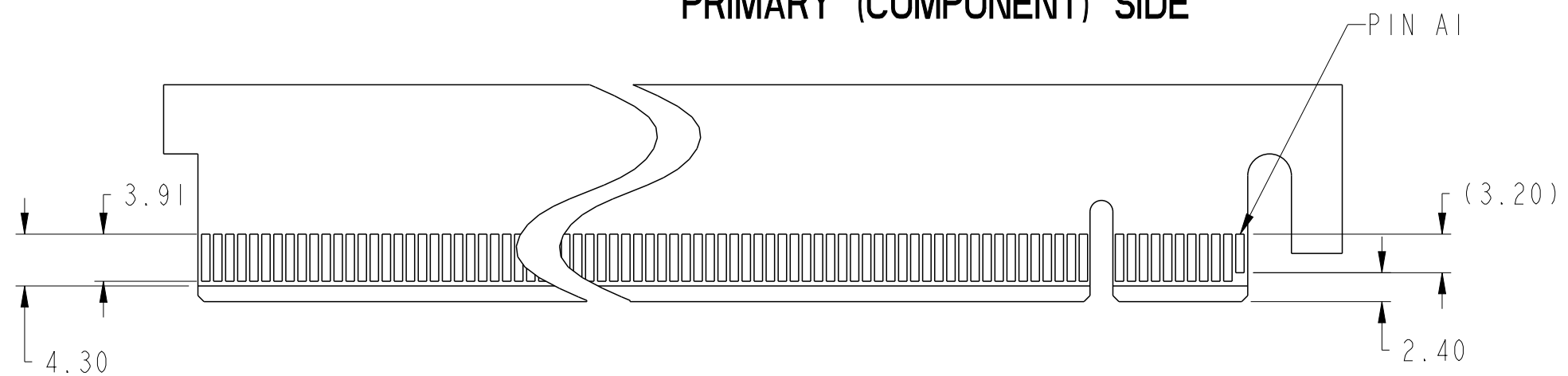
Amphenol  
FCi

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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

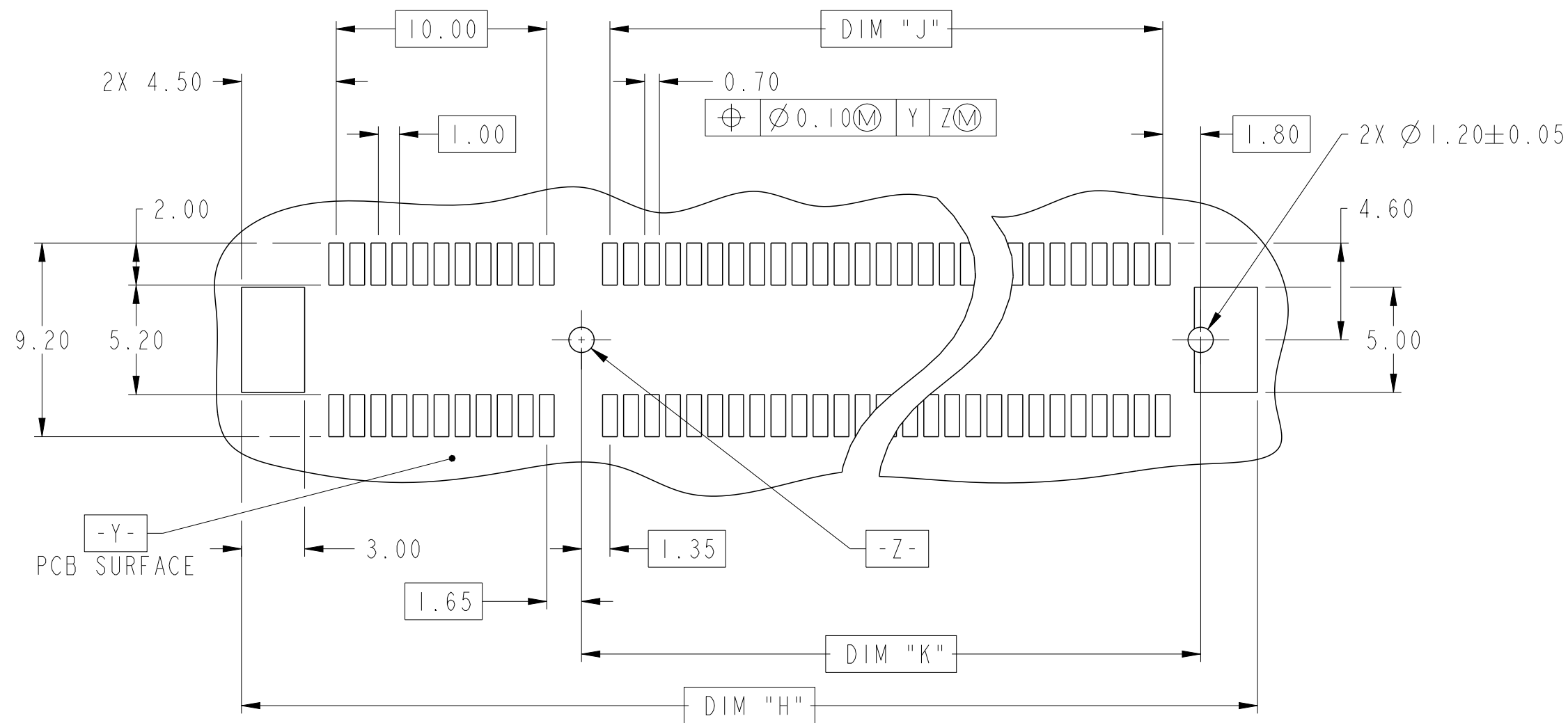


I/O PANEL DIRECTION →  
SECONDARY (SOLDER) SIDE

SEE NOTE 1 IN SHEET 2

- NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN AI AND PIN "L".
- CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- 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			ecn no	ELX-S-30728-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			product family	PCI express	rel level	Released
surface	linear	0.X	±0.30	<b>Amphenol FCI</b> PCI Express 4.0 SMT Type www.fci.com	dwg no	10146065	rev	E		
		0.XX	±0.20		cat. no.	Product - Customer Drw	sheet 2 of 4			
	angular	0°	±2°							



### RECOMMENDED PCB LAYOUT, PAD TYPE

POSITION	DIMENSIONS							
	A	B <sup>+0.15</sup> / <sub>-0.05</sub>	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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2018/07/19	ecn no	ELX-S-30728-1		
surface	-	chr	-	-	appr	Koon-Poh Tay	2018/07/26	product family	PCI express	rel level	Released
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.1	Amphenol FCI			PCI Express 4.0			dwg no	10146065	rev	E
angular	0° ±2°	www.fci.com			cat. no.	-	Product - Customer Drw		sheet 3 of 4		

**PRODUCT NUMBER CODE**

10146065- □ □ □ □ LF

HOUSING COLOR

I: BLACK

HOLDDOWN CLIP

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

CONTACT AREA PLATING

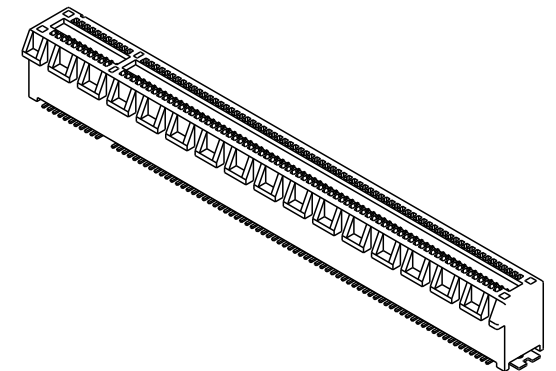
1: 30u" Au  
2: 15u" Au

NO. OF POSITION

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

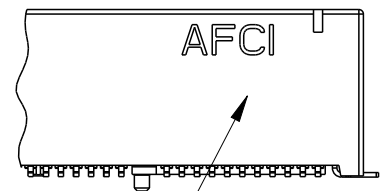
PACKAGING OPTIONS

A: HARD TRAY (DIM: 323 x 136 x 19) WITH KAPTON TAPE, 22MM (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)



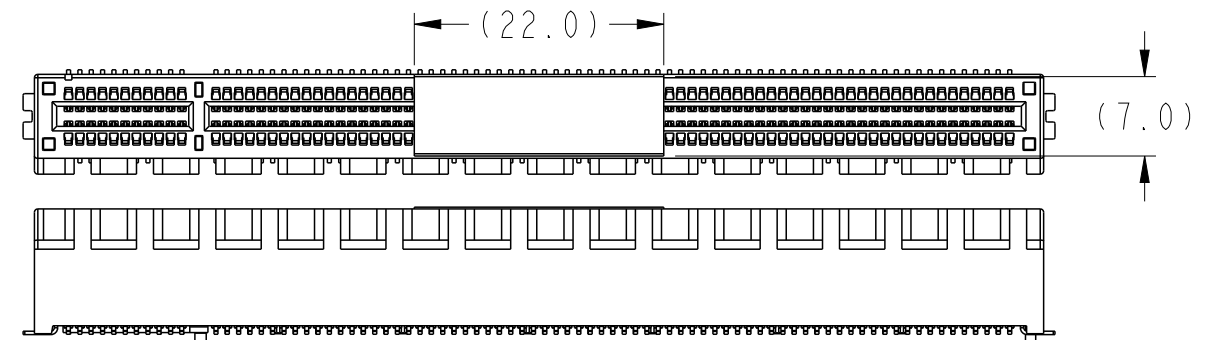
NOTES:

- MATERIAL:  
HOUSING: LCP  
CONTACT: COPPER ALLOY.  
HOLDDOWN CLIP: COPPER ALLOY
- 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.
- PRODUCT SPECIFICATION: GS-12-1406
- PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-004.
- DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. L IS AFCI PRODUCTION SITE.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- PARTNO: 10146065-\*\*2\*1LF & 10146065-\*\*3\*1LF, ARE OPTIONS WITH SHORTER HOLDDOWN CLIP FLAT AND PAD LENGTH

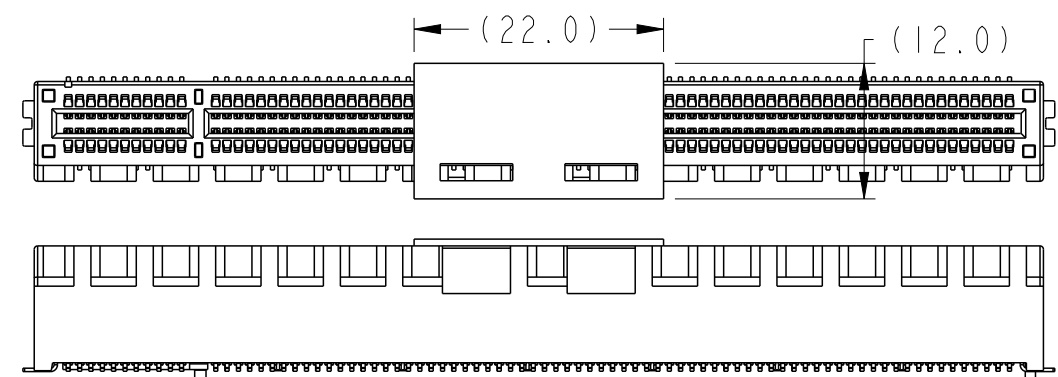


DATA CODE & PARTNO

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	ISO 406 ISO 1101	eng	Cheong, Matthe	2018/07/19		← →	ecn no	ELX-S-30728-1			
surface	linear	chr	-	-			product family	PCI express	rel level	Released	
		appr	Koon-Poh Tay	2018/07/26	PCI Express 4.0		dwg no	10146065		rev	E
	angular	www.fci.com		cat. no.	Product - Customer Drw			sheet 4 of 4			

Amphenol FCI

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