

PRODUCT PARTNUMBER
10144661-XXXXXL

PARTNO &
DATECODE

#AI IDENTIFIER

(0.30)

1.78±0.05

11.65

(14.50)

DIM "A"

1.50

1.50

Ø OF KEY

DIM "B"

DIM "D"

1.77

8.80

0.15

1.50 MAX

(11.0)

(0.35) TYP

1.65

1.35

1.00 TYP

12.75±0.15

DIM "C"

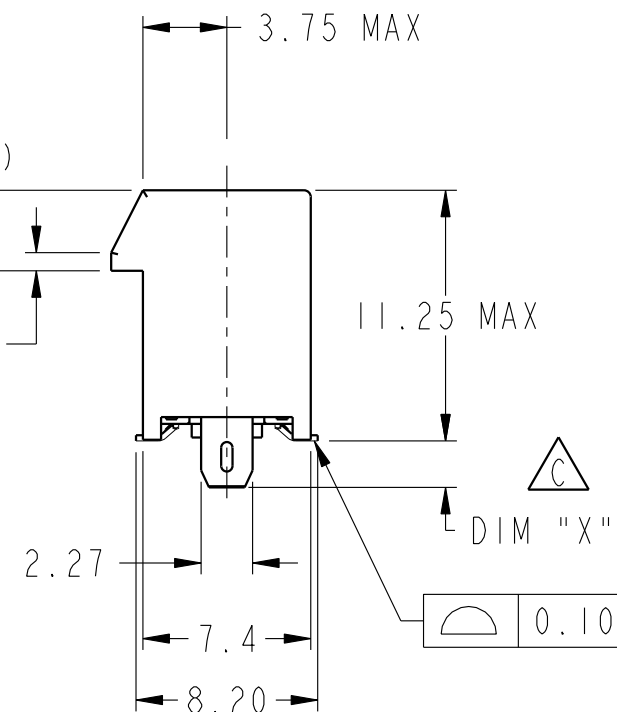
(Ø 1.0)

1.60

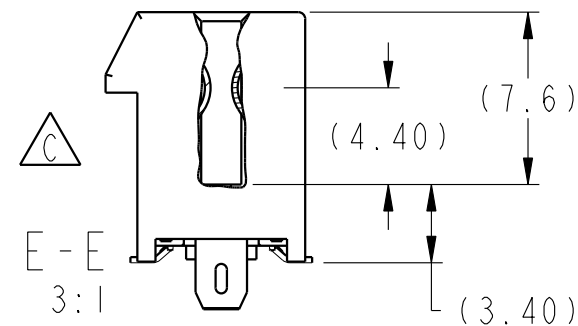
HOUSING

BLADE
HOLD-DOWN

(5.80)

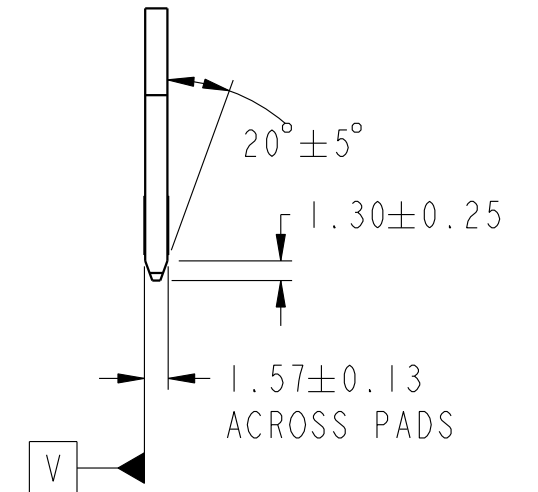
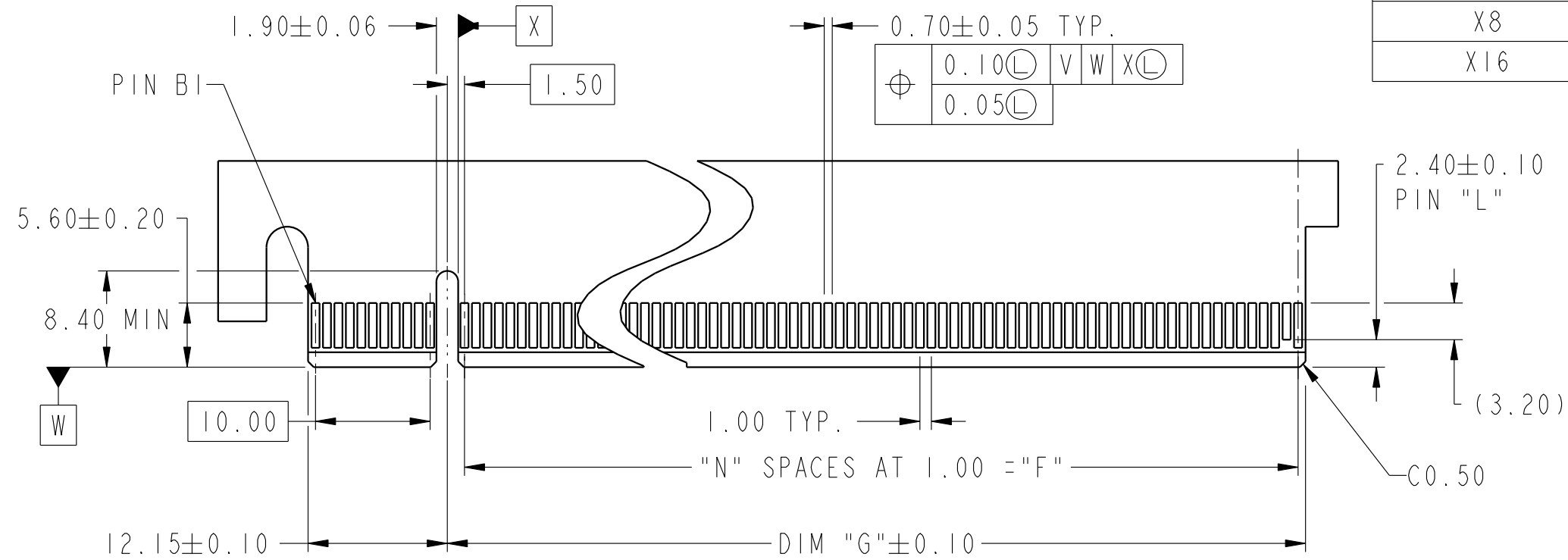


SECTION E-E
SCALE 3:1

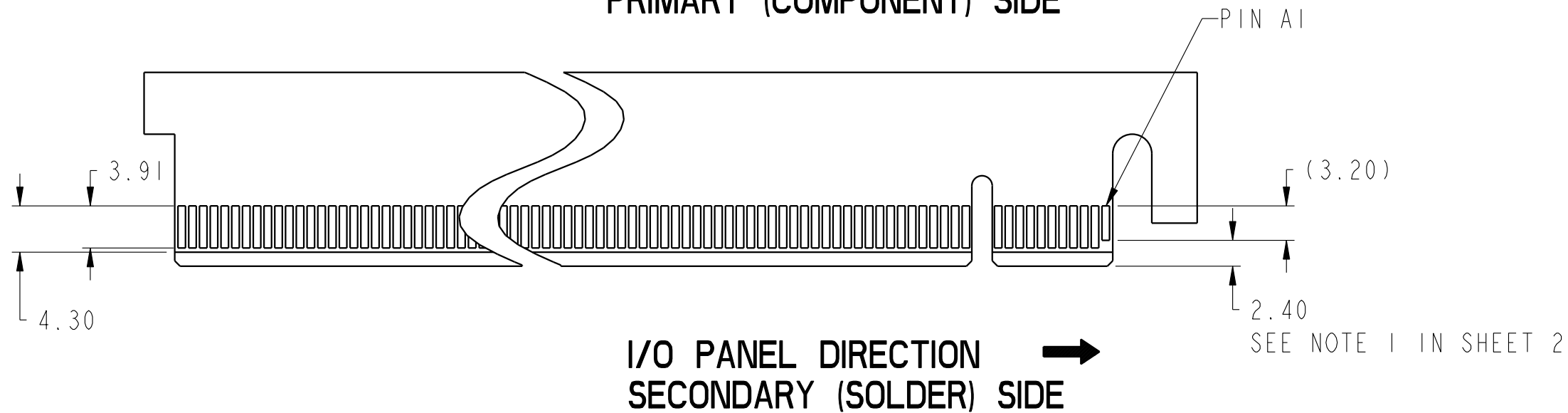


spec ref	-	dr	Cheong, Matthe	2017/07/13	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	-	2020/09/07	chr	-	ecn no	ELX-S-36435-1	rel level	Released
surface	-	appr	Koon-Poh Tay	2020/09/14	product family	PCI express	rel level	Released	rev	C
ISO 1302	linear	0.X	±0.30	0.XX	±0.20	0.XXX	±0.1	0°	±2°	
angular	0°	±2°								
Amphenol FCi	PCI Express 4.0	SMT Type- BLADE	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 4			

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

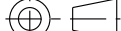


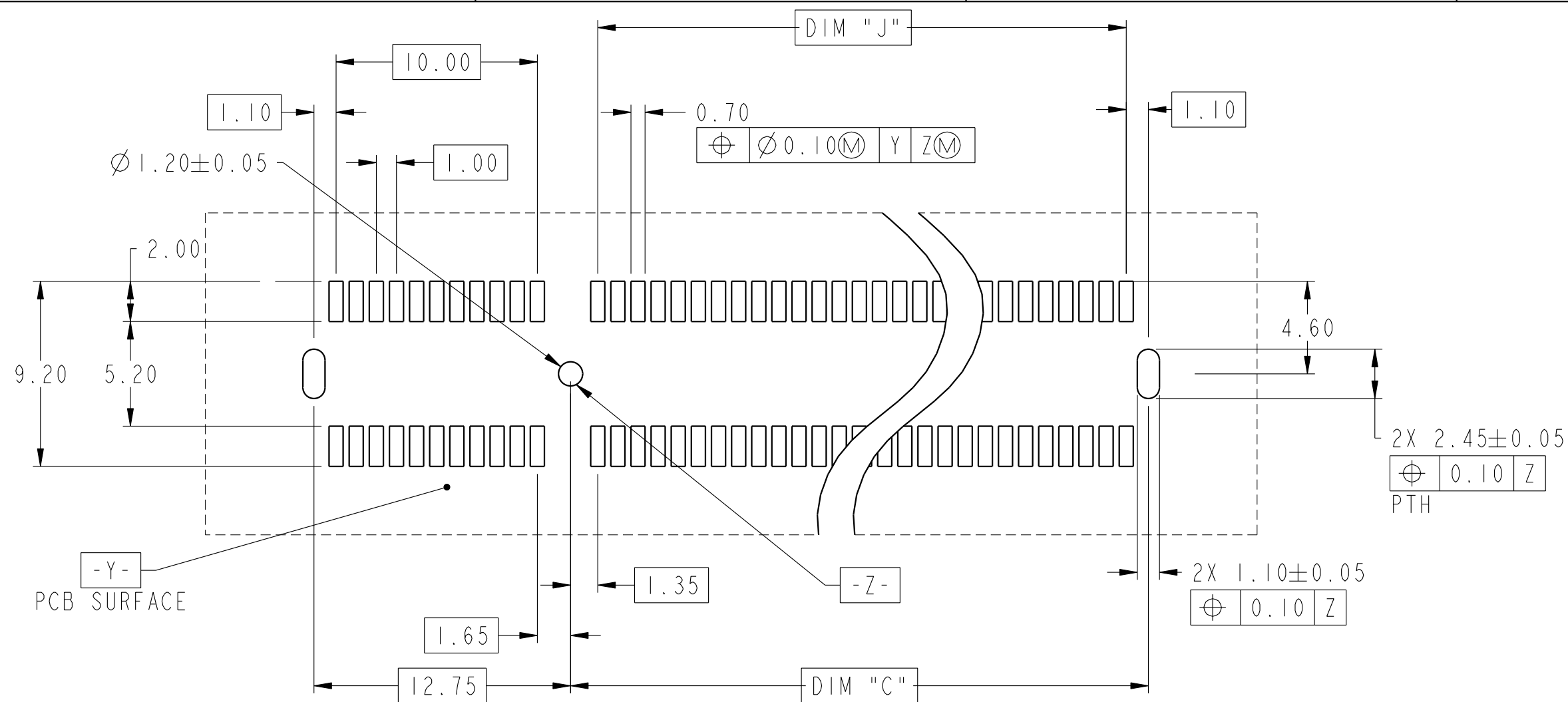
← I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION
SECONDARY (SOLDER) SIDE →

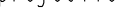
1. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN A1 AND PIN "L".
2. CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
3. TOLERANCE : ± 0.13

spec ref -				dr	Cheong, Matthe	2017/07/13	projection 	MM 	size	A3	scale	2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	-	2020/09/07			ecn no	ELX-S-36435-1		
				chr	-	-						
				appr	Koon-Poh Tay	2020/09/14						
surface  ISO 1302	linear	0.X	±0.30	Amphenol FCi	title PCI Express 4.0 SMT Type- BLADE				dwg no	10144661		rev C
		0.XX	±0.20									
		0.XXX	±0.1									
		angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw			sheet 2 of 4	



RECOMMENDED PCB LAYOUT, PAD TYPE

DIMENSIONS					
POSITION	A	B $^{+0.15}_{-0.05}$	C ± 0.15	D ± 0.23	J
36	6.00	7.65	8.45	25.00	6.00
64	20.00	21.65	22.45	39.00	20.00
98	37.00	38.65	39.45	56.00	37.00
164	70.00	71.65	72.45	89.00	70.00

spec ref -				dr	Cheong, Matthe	2017/07/13	projection		size	A3	scale	4:1	
tolerance std				eng	-	2020/09/07				ecn no	ELX-S-36435-1		
ISO 406 ISO 1101				chr	-	-					rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Koon-Poh Tay	2020/09/14	product family		PCI express				
surface - 	linear	0.X	±0.30	Amphenol FCI	title PCI Express 4.0 SMT Type- BLADE				dwg no	10144661		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

10144661 - ☐☐☐☐☐ LF

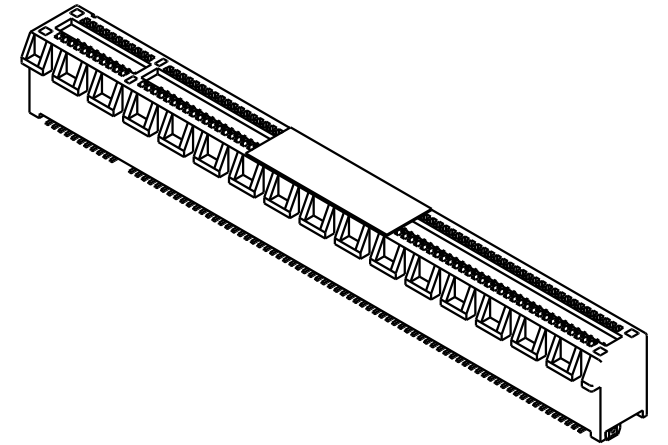


DIM "X"

0: 2.05
1: 1.20

PACKAGING OPTIONS

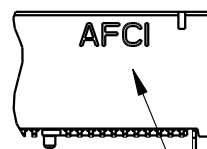
- A: HARD TRAY (323 x 136 x 19) WITH KAPTON TAPE, 22MM (98 & 164 POS)
B: HARD TRAY (323 x 136 x 19) WITH KAPTON TAPE, 86.5MM (164 POS)
Q: HARD TRAY (323 x 136 x 19) (98 & 164 POS)
C: SOFT TRAY (317.5 x 235 x 18) WITH PICK-UP CAP (36 & 64 POS)
T: SOFT TRAY (317.5 x 235 x 18) WITH KAPTON TAPE, 22MM (36 & 64 POS)
N: SOFT TRAY (317.5 x 235 x 18) (36 & 64 POS)
K: CUSTOM HARD TRAY (295 x 185) (164 POS)
L: CUSTOM HARD TRAY (295 x 185) WITH KAPTON TAPE, 22M (164 POS)
W: HARD TRAY (330 x 235 x 19.3) WITH KAPTON TAPE, 30MM (98 & 164 POS)
X: HARD TRAY (330 x 235 x 19.3) WITH PICK-UP CAP (98 & 164 POS)
Y: HARD TRAY (330 x 235 x 19.3) WITH KAPTON TAPE, 22MM (98 & 164 POS)
Z: HARD TRAY (330 x 235 x 19.3) WITH KAPTON TAPE, 86.5MM (164 POS)



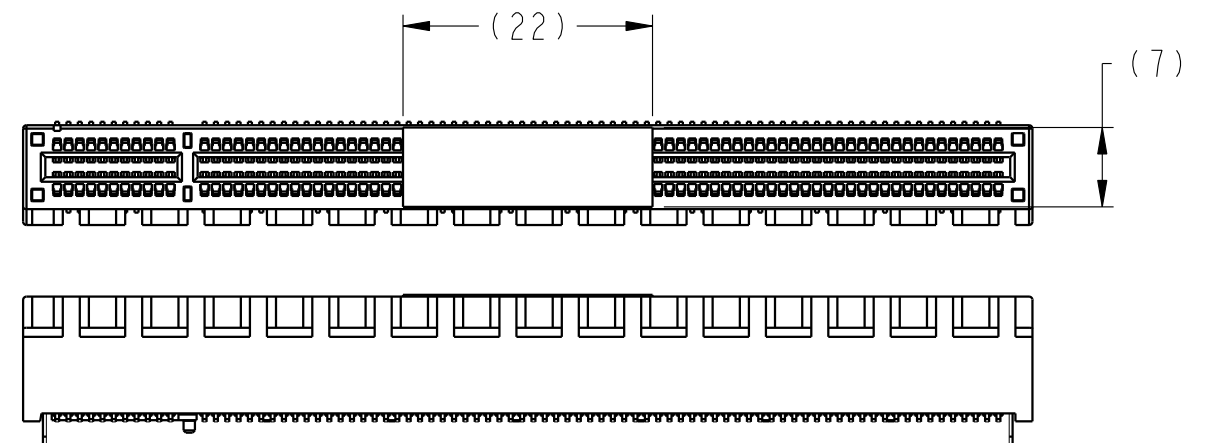
NOTES:

- MATERIAL:
HOUSING: HIGH PERFORMANCE RESINS, GLASS FILLED, UL94V-0
CONTACT: COPPER ALLOY.
HOLDDOWN BLADES: COPPER ALLOY
- PLATING:
CONTACT: UNDERPLATE: 50u" NICKEL OVER ALL.
SOLDER AREA: 100u" TIN (LEAD FREE).
MATING AREA: SEE PRODUCT NUMBER CODE.
HOLDDOWN BLADES: 100u" TIN OVER 50 u" NICKEL.
- PRODUCT SPECIFICATION: GS-12-1406
- DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE.
L IS AFCI PRODUCTION SITE.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-004.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°
PEAK TEMPERATURE FOR 10 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN.

POSITION OF KAPTON TAPE



DATE CODE &
PARTNO



spec ref -				dr	Cheong, Matthe	2017/07/13	projection	MM	size	A3	scale	2:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	-	2020/09/07			ecn no	ELX-S-36435-1			
				chr	-	-							
				appr					Koon-Poh Tay	2020/09/14	product family		PCI express
surface ✓ ISO 1302	linear	0.X	±0.30	Amphenol FCI	title				dwg no	10144661		rev	C
		0.XX	±0.20										
		0.XXX	±0.1		SMT Type- BLADE								
	angular	0°	±2°										
www.fci.com				cat. no.		Product - Customer Drw				sheet 4 of 4			