

PRODUCT PARTNUMBER  
10144661-XXXX0LF

PARTNO &  
DATECODE

#AI IDENTIFIER

(0.30)



1.78±0.05

11.65

(14.50)

DIM "A"

1.50

1.50

1.77

8.80

Ø OF KEY

DIM "B"

DIM "D"

0.15

1.50 MAX

(11.0)

(0.35) TYP

1.65

1.35

1.00 TYP

BLADE  
HOLD-DOWN

12.75±0.15

(Ø 1.0)

1.60

HOUSING

DIM "C"

(5.80)

3.75 MAX

(3.55)

0.80±0.15

11.25 MAX

2.27

7.4

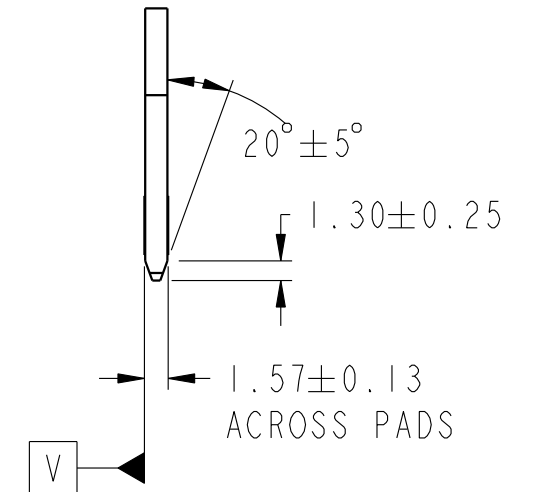
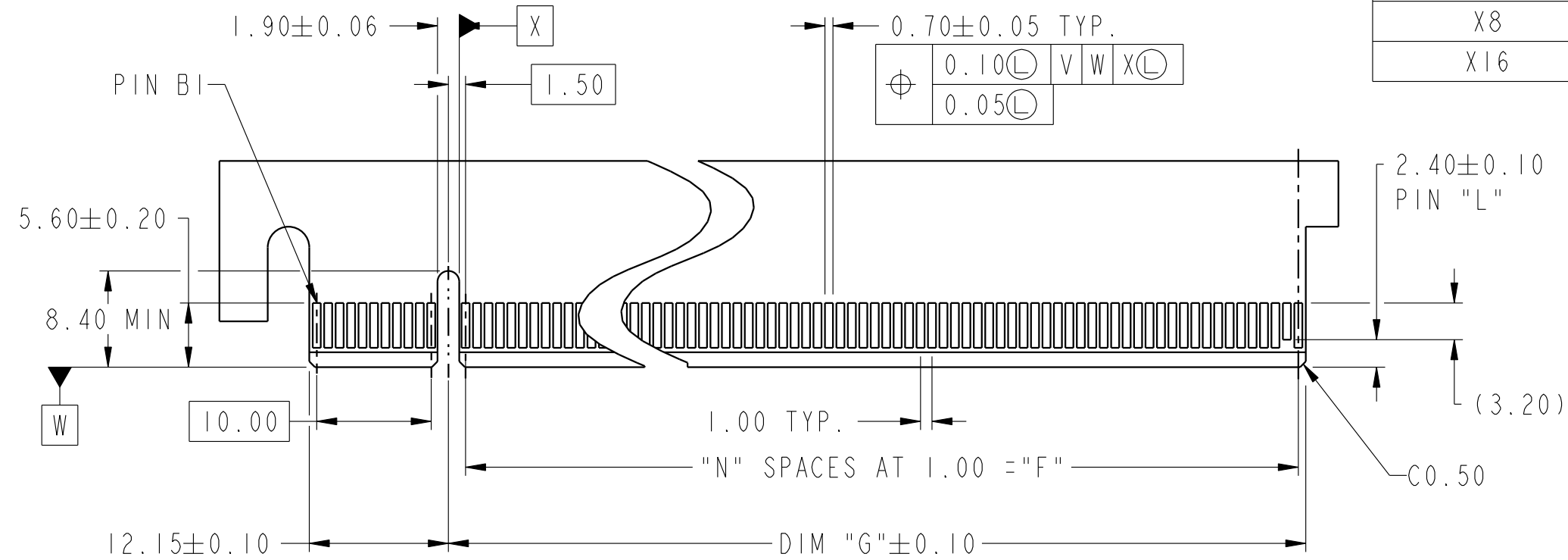
8.2

0.10

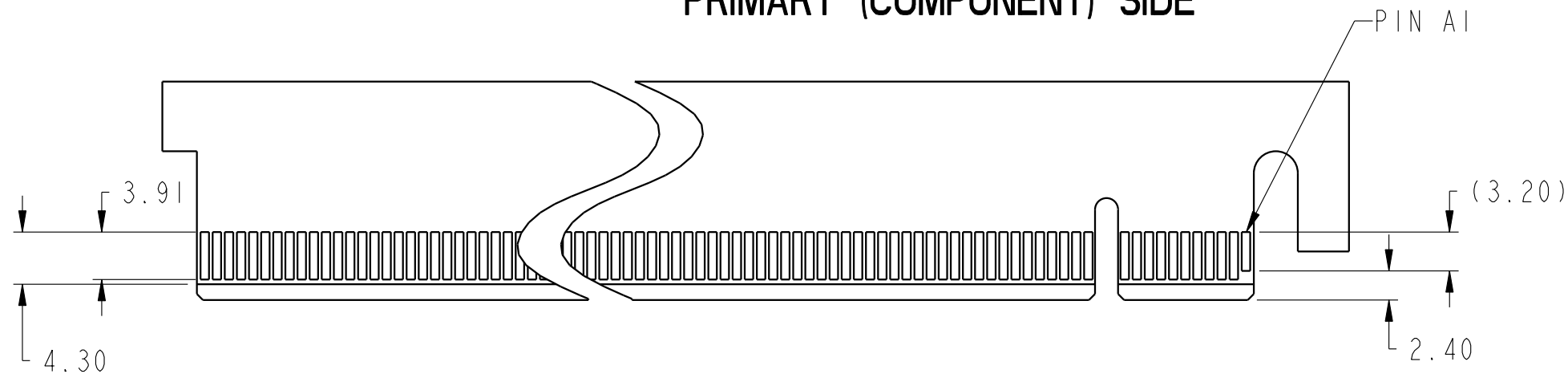
2.05

spec ref		-		dr	Cheong, Matthe	2017/07/13	projection		MM		size	A3	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2018/06/12					ecn no	ELX-S-30076-1		
				chr	-	-								
ISO 406				appr	Koon-Poh Tay	2018/06/27	product family		PCI express	rel level	Released			
ISO 1101														
surface	linear	0.X	±0.30	Amphenol FCi	title				dwg no	10144661			rev	
		0.XX	±0.20											
		0.XXX	±0.1		SMT Type- BLADE									
	ISO 1302	angular	0°	±2°				www.fci.com	cat. no.		-	Product - Customer Drw		

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



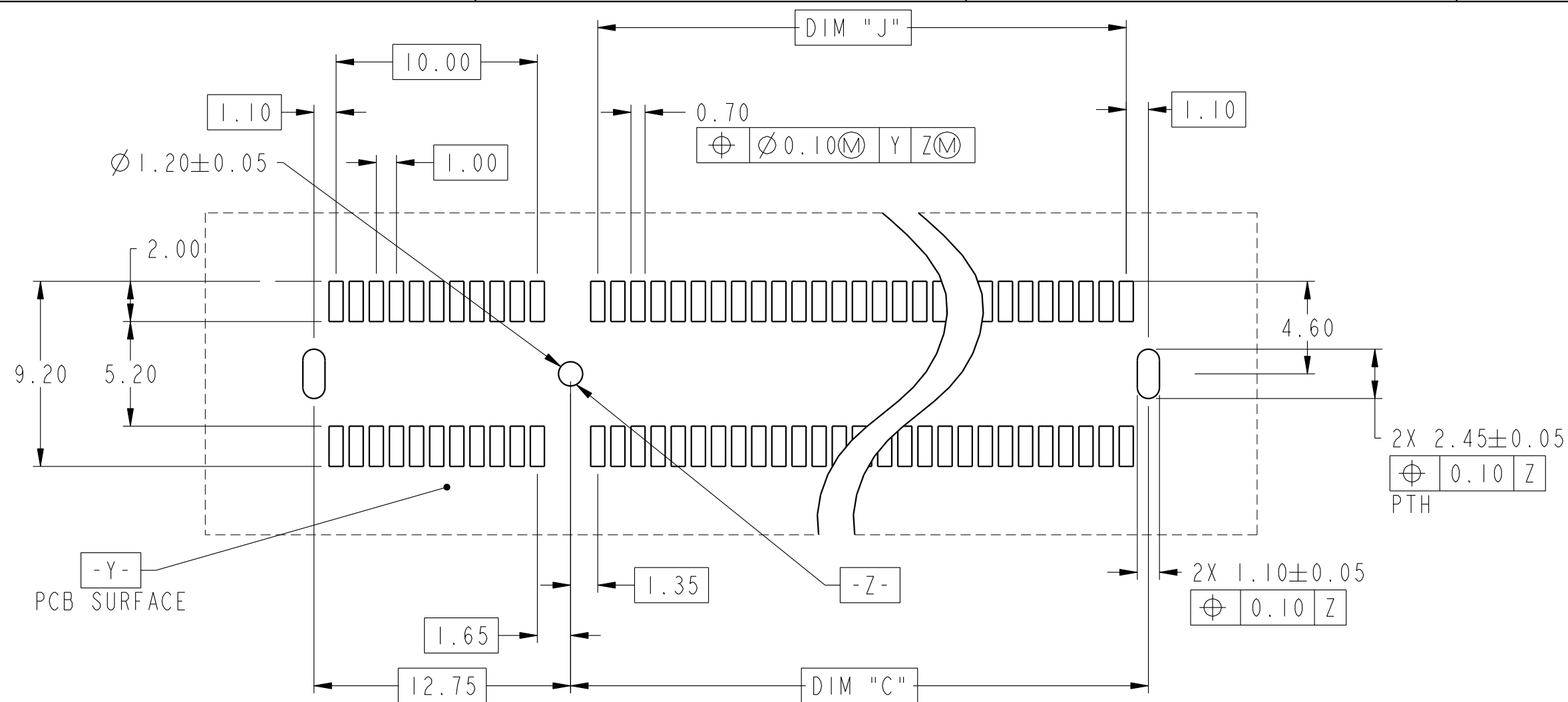
← I/O PANEL DIRECTION  
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION  
SECONDARY (SOLDER) SIDE →


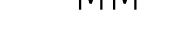

1. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PIN A1 AND PIN "L".
2. CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
3. TOLERANCE :  $\pm 0.13$

spec ref	-	dr	Cheong, Matthe	2017/07/13	projection	MM	size	A3	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Cheong, Matthe	2018/06/12	chr	-	ecn no	ELX-S-30076-1	rel level	Released
surface	ISO 1302	appr	Koon-Poh Tay	2018/06/27	product family	PCI express	rel level	Released	rev	B
linear	0.X $\pm 0.30$ 0.XX $\pm 0.20$ 0.XXX $\pm 0.1$	Amphenol FCi	PCI Express 4.0	dwg no	10144661	cat. no.	Product - Customer Drw	sheet 2 of 4		
angular	0° $\pm 2^\circ$	www.fci.com	SMT Type- BLADE							



## RECOMMENDED PCB LAYOUT, PAD TYPE

DIMENSIONS					
POSITION	A	B $^{+0.15}_{-0.05}$	C $\pm 0.15$	D $\pm 0.23$	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		MM		size	A3	scale	4:1
tolerance std				eng	Cheong, Matthe	2018/06/12					ecn no	ELX-S-30076-1		
ISO 406 ISO 1101				chr -		-								
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr	Koon-Poh Tay	2018/06/27	product family		PCI express		rel level		Released	
surface - 	linear	0.X	±0.30	Amphenol FCI	title PCI Express 4.0 SMT Type- BLADE				dwg no	10144661		rev	B	
		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 -  0LF

HOUSING COLOR

1: BLACK

CONTACT AREA PLATING

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

PACKAGING OPTIONS

Y: HARD TRAY WITH KAPTON TAPE (98 & 164 POS)

NO. OF POSITION

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

NOTES:

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

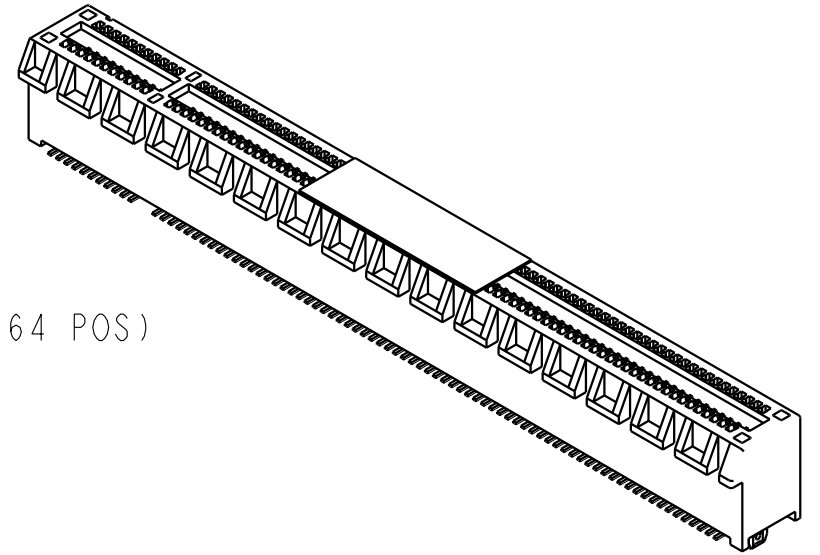
3. PRODUCT SPECIFICATION: GS-12-1406

4. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

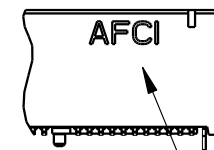
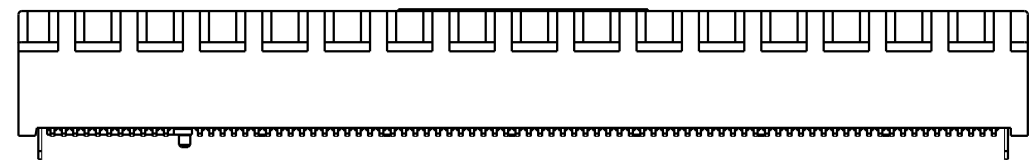
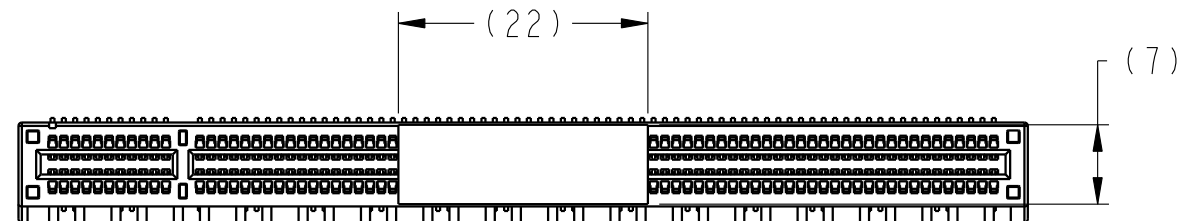
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE.  
L IS AFCI PRODUCTION SITE.

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



7. 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	Cheong, Matthe	2018/06/12			ecn no	ELX-S-30076-1			
				chr	-	-			product family	PCI express		rel level	Released
				appr	Koon-Poh Tay	2018/06/27							
surface ISO 1302	linear	0.X	±0.30	Amphenol FCI	title PCI Express 4.0 SMT Type- BLADE				dwg no	10144661		rev B	
		0.XX	±0.20										
		0.XXX	±0.1										
	ISO 1302	angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw			sheet 4 of 4		