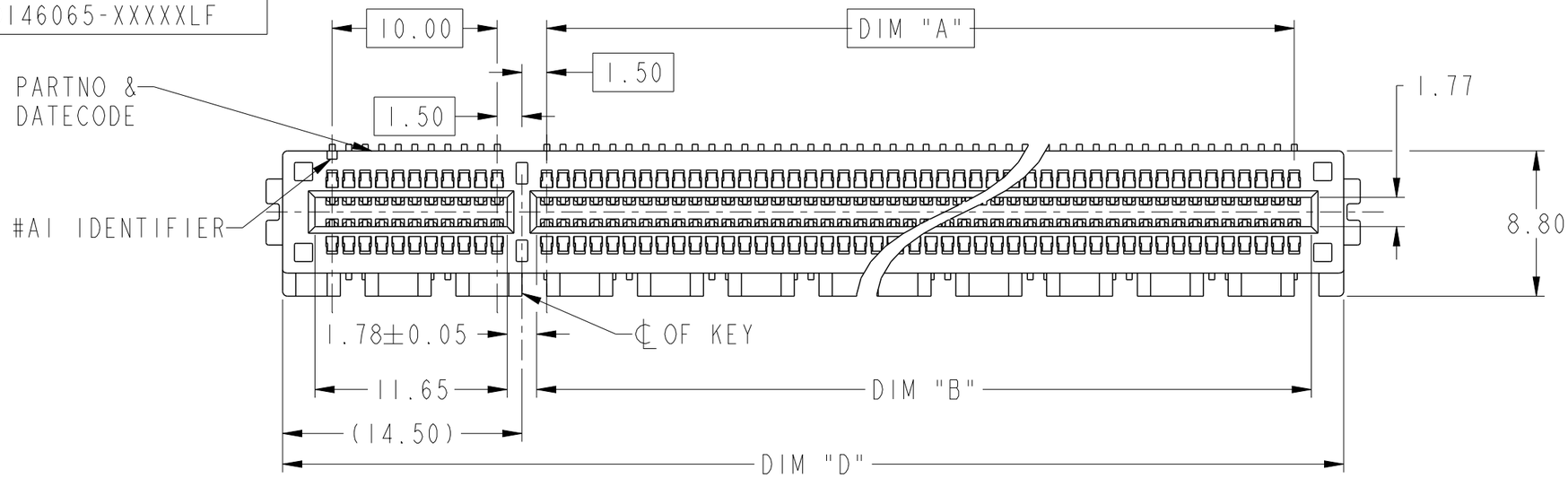
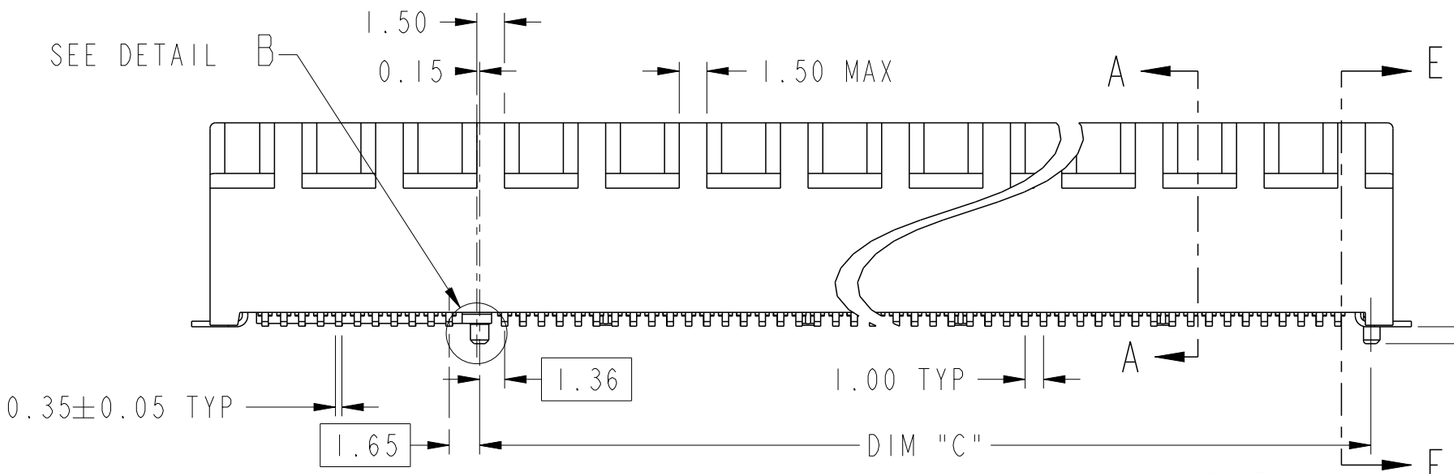
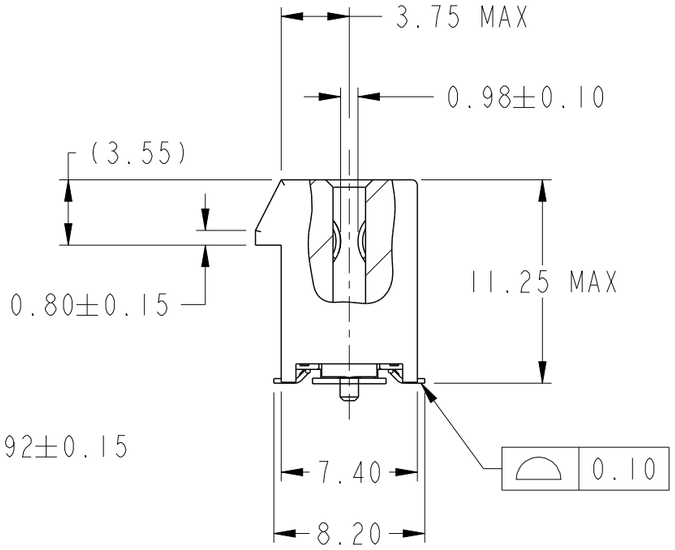
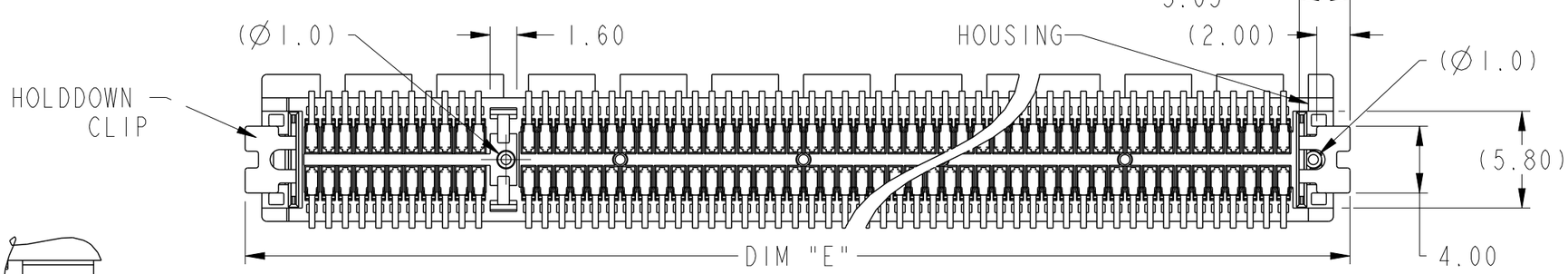
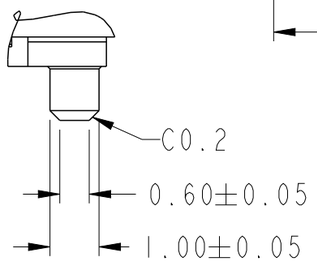
PRODUCT PARTNUMBER
10146065-XXXXXLF



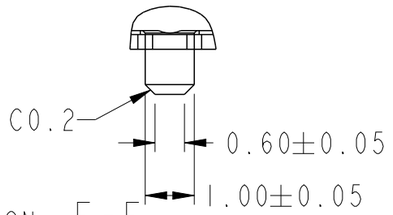




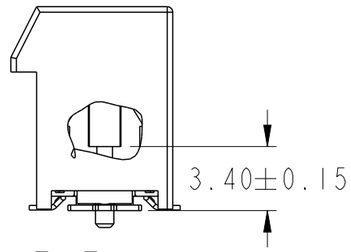




DETAIL B
SCALE 8:1



SECTION E-E
SCALE 8:1



SECTION E-E
SCALE 3:1

spec ref	-			dr	Cheong, Matthe	2017/11/06	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Cheong, Matthe	2018/07/19		
				chr	-	-		
				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
		0.XX	±0.20					
		0.XXX	±0.1					
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	

size	scale	rev
A3	3:1	E

ecn no ELX-S-30728-1

rel level **Released**

sheet 1 of 4

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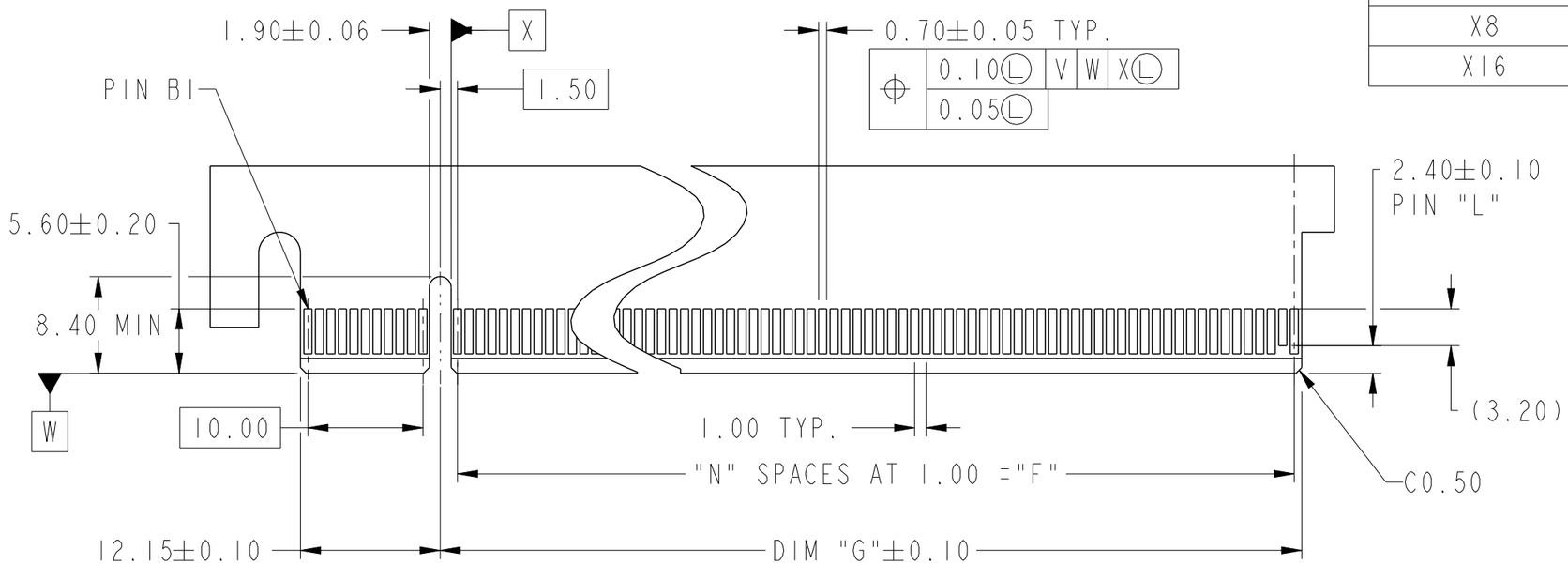
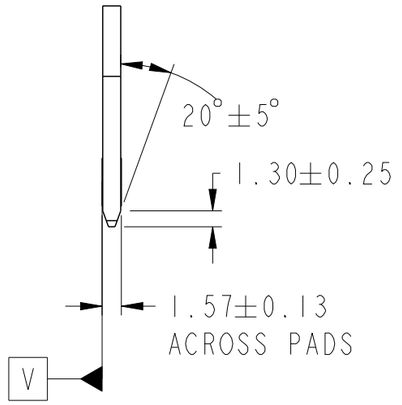
Creo File - REV E - 2016-02-12

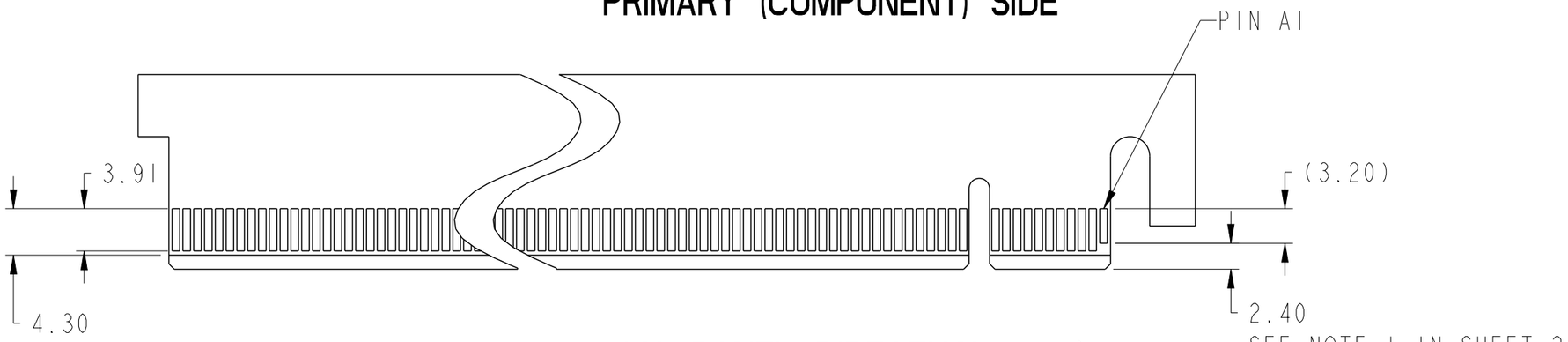
PDS: Rev :E STATUS:Released Printed: Jul 26, 2018

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

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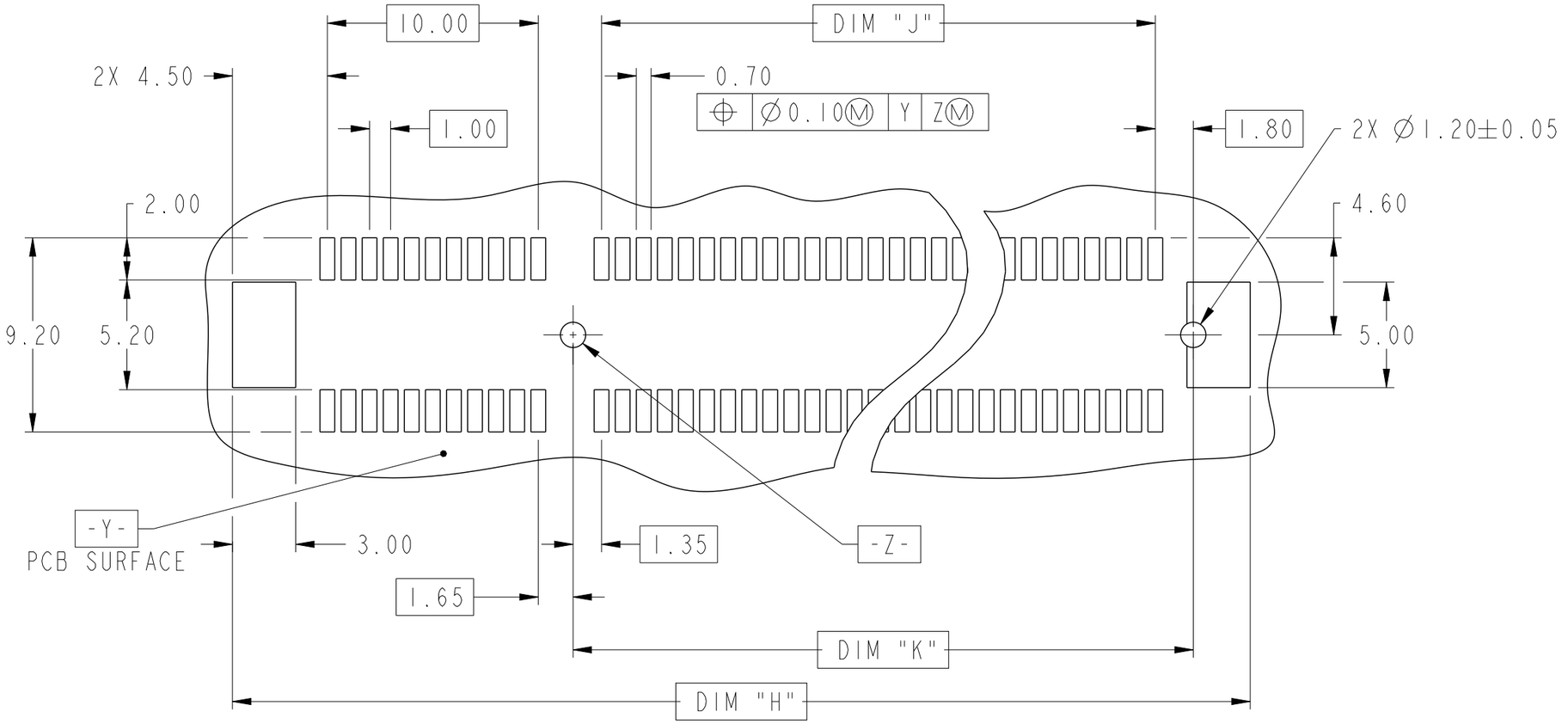
Creo File - REV E - 2016-02-12

PDS: Rev :E STATUS:Released Printed: Jul 26, 2018



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

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spec ref -

tolerance std ISO 406 ISO 1101

TOLERANCES UNLESS OTHERWISE SPECIFIED

linear	0.X	±0.30
	0.XX	±0.20
	0.XXX	±0.1
angular	0°	±2°

surface - ISO 1302

dr	Cheong, Matthe	2017/11/06	
eng	Cheong, Matthe	2018/07/19	
chr	-	-	
appr	Koon-Poh Tay	2018/07/26	

projection | MM | size A3 | scale 4:1

ecn no ELX-S-30728-1

product family PCI express | rel level **Released**

Amphenol FCI | www.fci.com

title: PCI Express 4.0 SMT Type

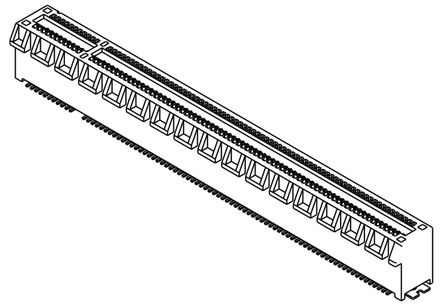
dwg no 10146065 | rev **E**

cat. no. - | Product - Customer Drw | sheet 3 of 4

Creo File - REV E - 2016-02-12

PDS: Rev :E | STATUS:Released | Printed: Jul 26, 2018

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) E
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.

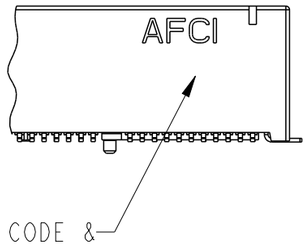
3. PRODUCT SPECIFICATION: GS-12-1406

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

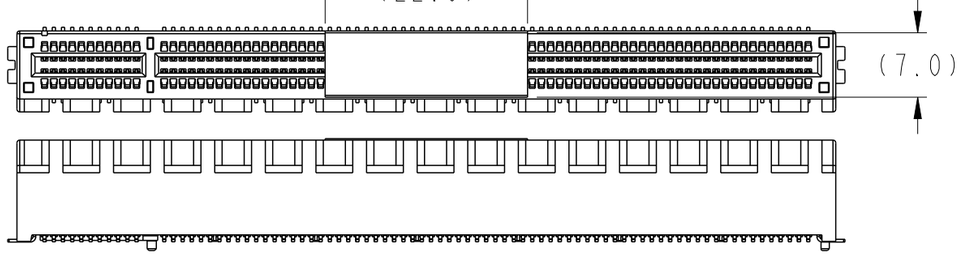
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. L IS AFCI PRODUCTION SITE.

6. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

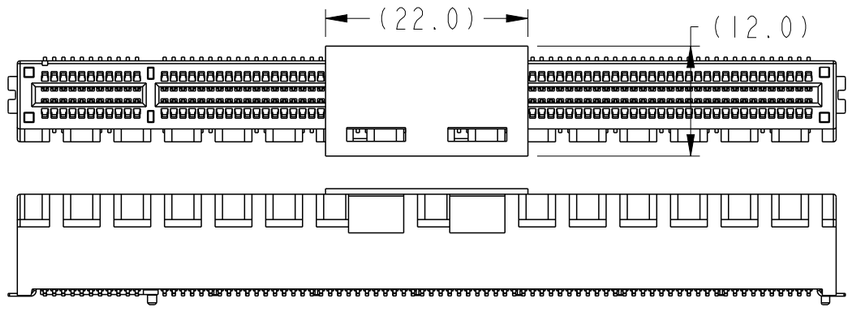
7. PARTNO: 10146065-**2*ILF & 10146065-**3*ILF, ARE OPTIONS WITH SHORTER HOLDDOWN CLIP FLAT AND PAD LENGTH



POSITION OF KAPTON TAPE



POSITION OF PICK UP CAP



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

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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