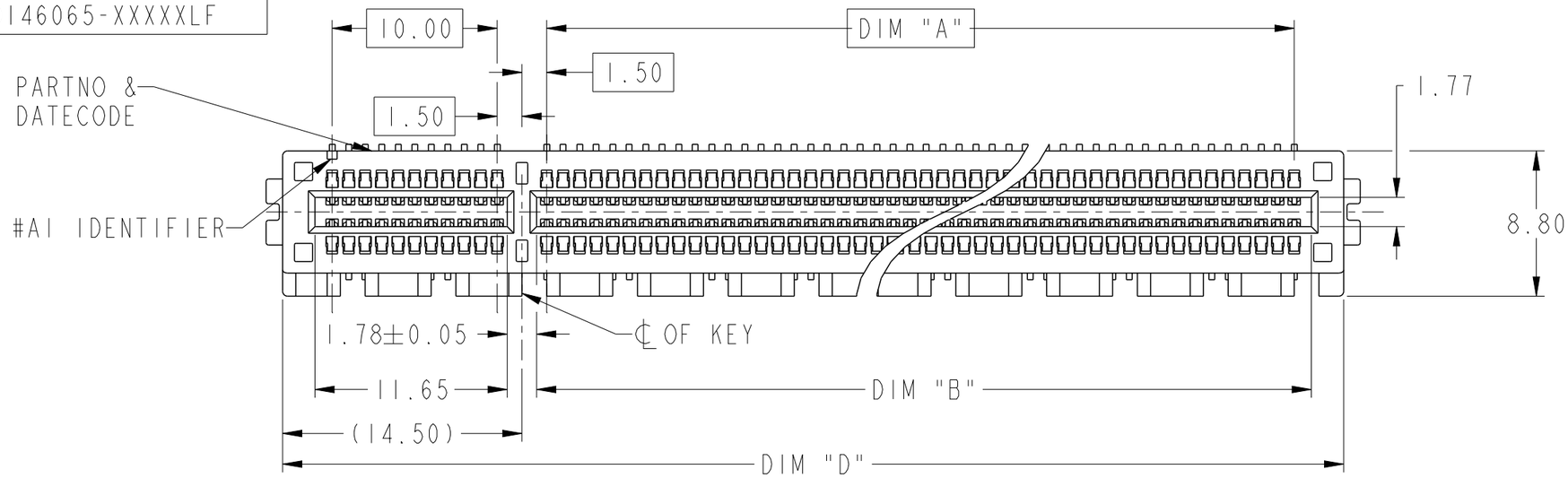
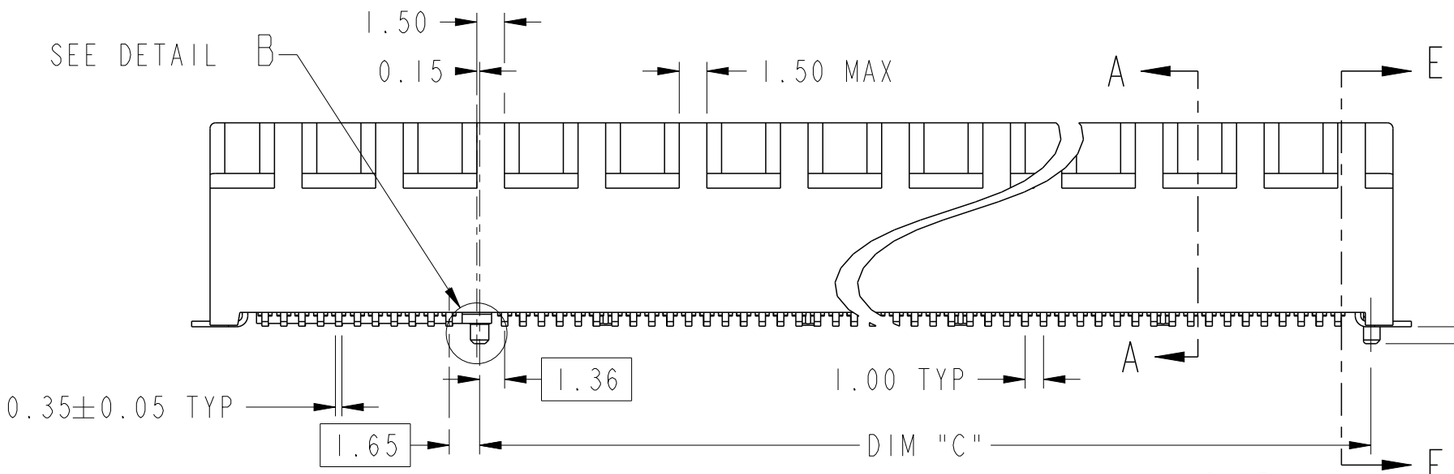
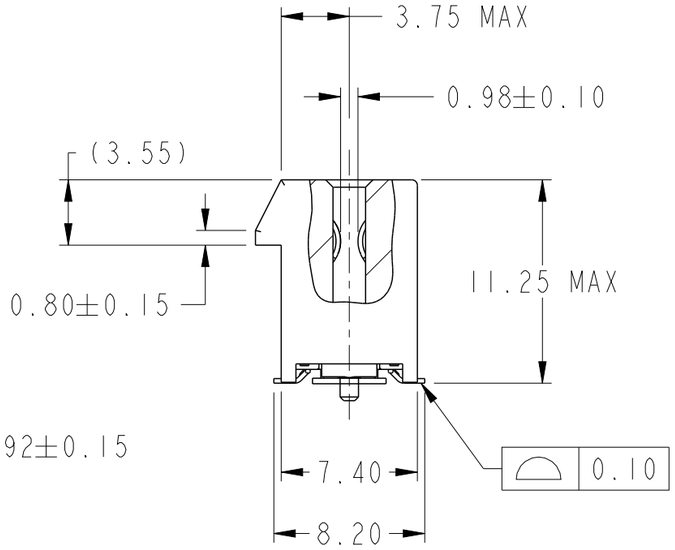
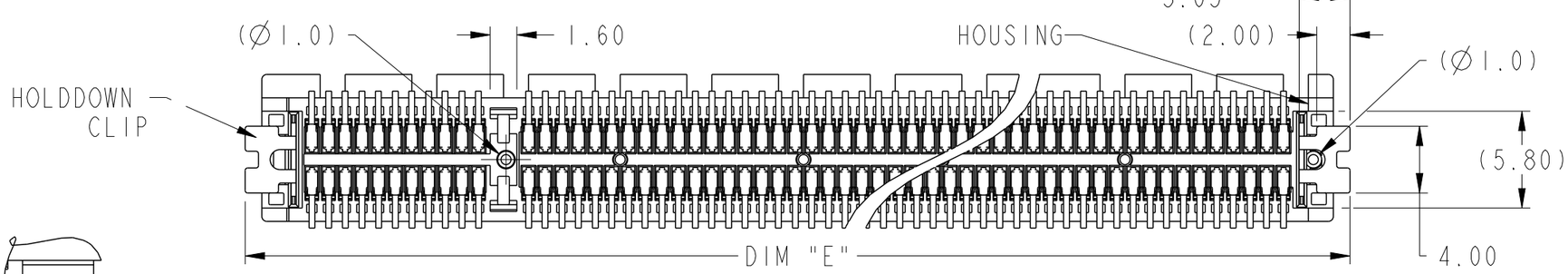
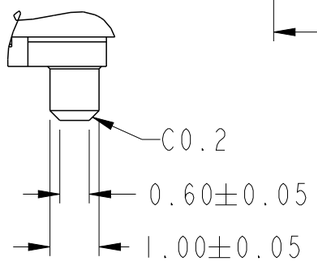
PRODUCT PARTNUMBER
10146065-XXXXXLF



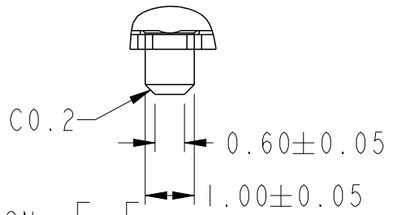




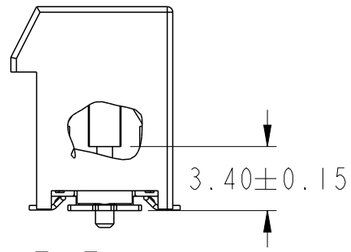




DETAIL B
SCALE 8:1



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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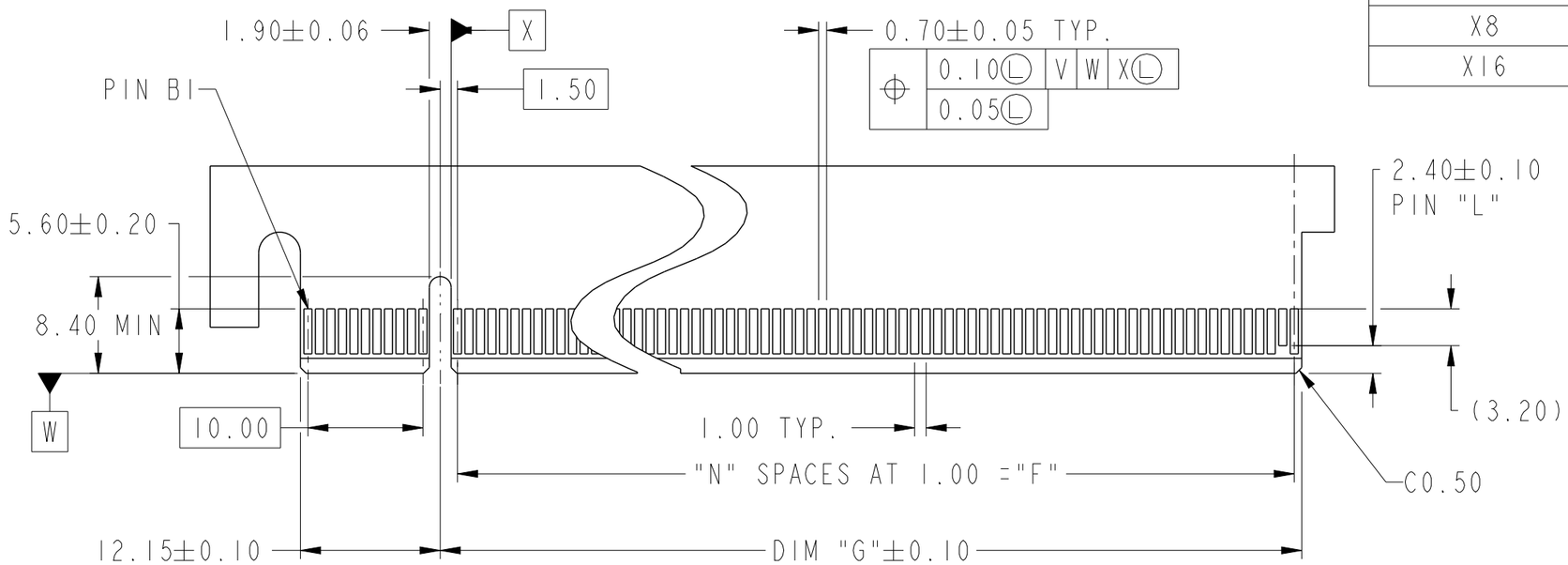
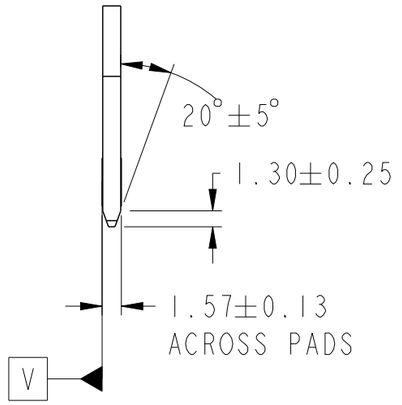
Creo File - REV E - 2016-02-12

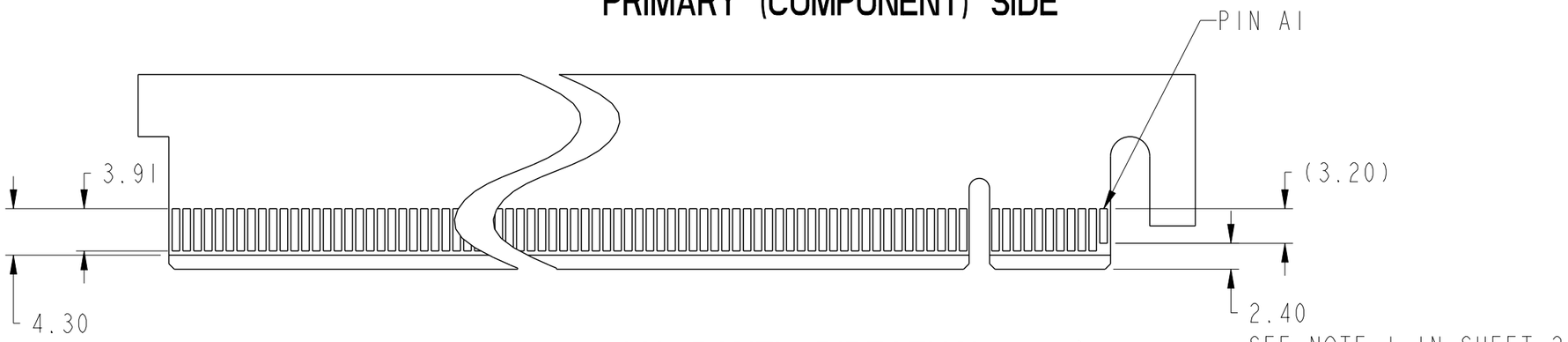
PDS: Rev :E STATUS:Released Printed: Jul 26, 2018

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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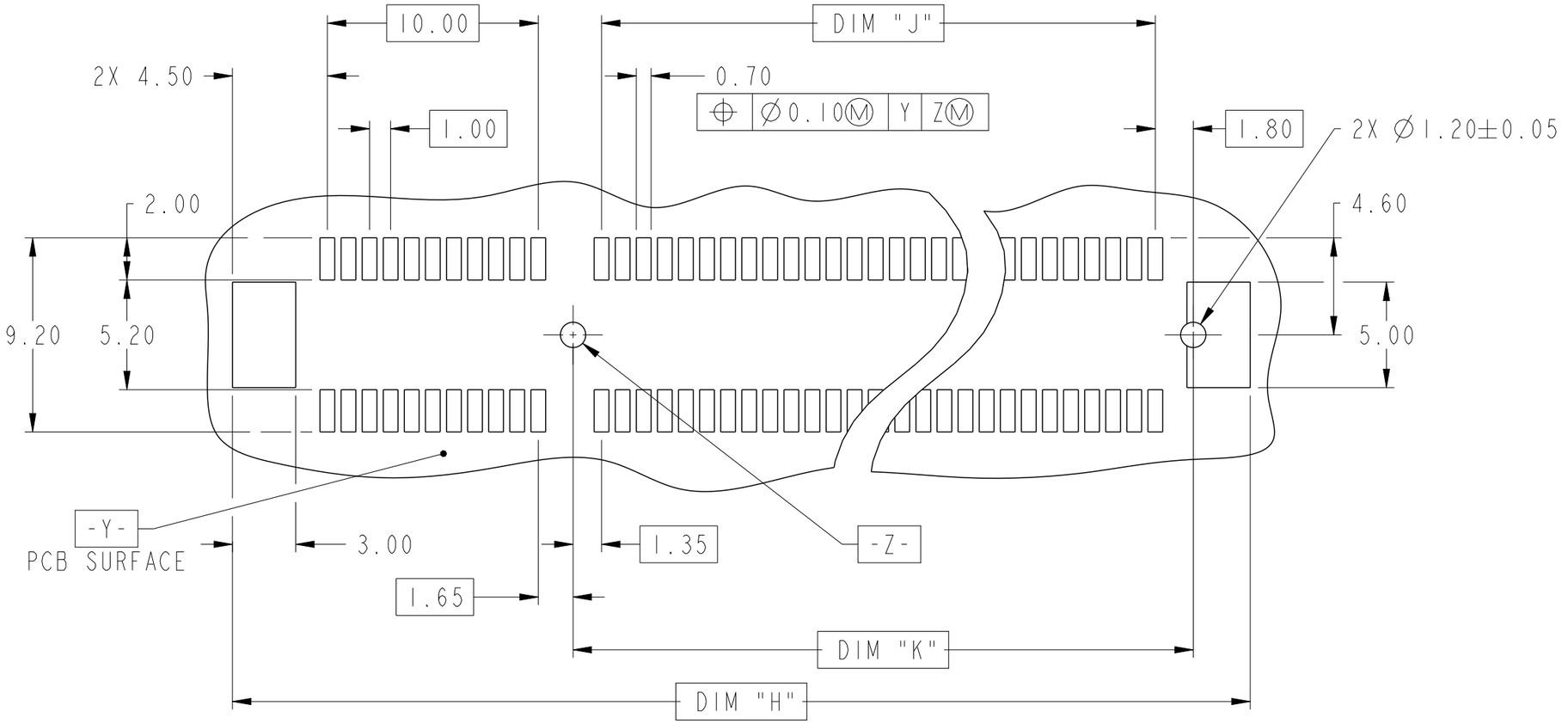
Creo File - REV E - 2016-02-12

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

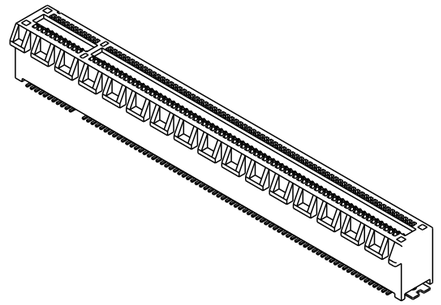
dwg no 10146065 | rev **E**

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.

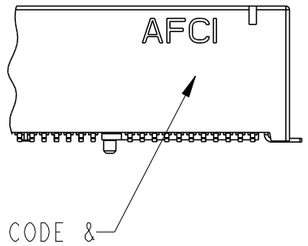
3. PRODUCT SPECIFICATION: GS-12-1406

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

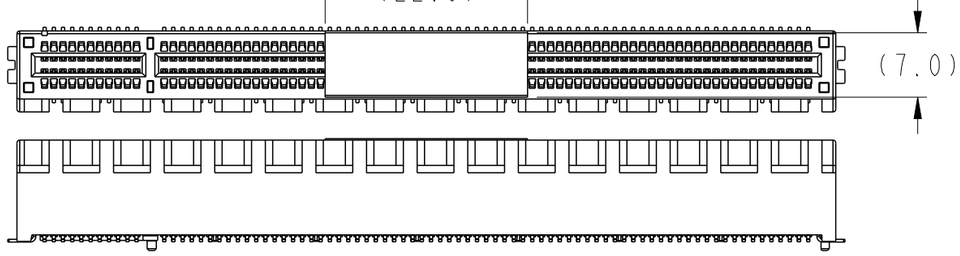
5. DATE CODE "MMDDYYL", MMDDYY IS ASSEMBLY DATE. L IS AFCI PRODUCTION SITE.

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

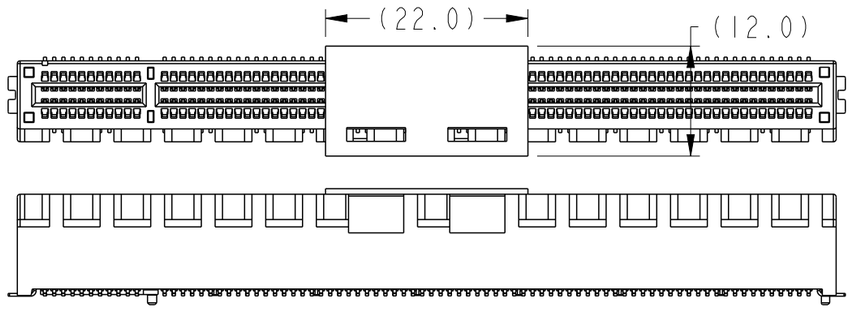
7. PARTNO: 10146065-**2*ILF & 10146065-**3*ILF, ARE OPTIONS WITH SHORTER HOLDDOWN CLIP FLAT AND PAD LENGTH



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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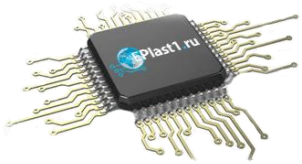
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.