

PRODUCT NO.  
10018784-X0XXXX



SECTION P-P



PLASTIC PEG TYPE

CONFIDENTIAL

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI		www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection		title PCI EXPRESS GEN3 CARD EDGE ASSY			
M	T05-0124	M W	06/07/05		.XX ± 0.20		product family		EDGE CARD	code	
N	T05-0153	M W	07/12/05	angles	.XXX ± 0.10		size		dwg no	TWN	
P	T05-0208	M W	09/15/05	dr	0° ±2°	scale		A4	sheet		
R	T06-0206	R C	12/01/06	enr	STONE LI 05/27/15	2:1		10018784		1 of 6	
S	ELX-DG-2161-1	S T	05/27/15	chr	STONE LI 05/27/15	MM		product family		EDGE CARD	
				appd	PM ZHENG 05/27/15	A4		size		dwg no	
sheet index	revision sheet	S 1	S 2	S 3	S 4	S 5	S 6	cage code		22526	

PRODUCT NO.  
10018784-X1XXXX



METAL BOARD LOCKS TYPE

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mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		
ltr	ecn no	dr	date	linear	.X ± 0.30	projection			
				angles	.XX ± 0.20				
				dr	.XXX ± 0.10				
				enr	0° ±2°	MM	product family		
				chr	STONE LI 05/27/15		EDGE CARD	code	
				appd	STONE LI 05/27/15		scale	size   dwg no	TWN
					PM ZHENG 05/27/15	2:1	A4	10018784	sheet
sheet index	revision sheet								2 of

 www.fciconnect.com		
title		
PCI EXPRESS GEN3 CARD EDGE ASSY		
product family	EDGE CARD	code
size   dwg no		TWN
A4	10018784	sheet
		2 of



← I/O PANEL DIRECTION

RECOMMENDED FOOTPRINT

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mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		 www.fciconnect.com		
ltr	ecn no	dr	date	linear	.X ±		projection	title			
					.XX ±			PCI EXPRESS GEN3			
					.XXX ±			CARD EDGE ASS'Y			
				angles	0° ±2°		 MM	product family		code	
				dr	STONE LI	05/27/15		EDGE CARD		TWN	
				enr	STONE LI	05/27/15		size	dwg no	sheet	
				chr	/	/	scale	A4		3 of	
				appd	PM ZHENG	05/27/15	2:1	10018784			
sheet index	revision sheet										

cage code  
22526



SCALE 2:1

I/O PANEL DIRECTION  
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION  
SECONDARY (SOLDER) SIDE

ADD-IN CARD EDGE-FINGER DIMENSIONS

#	POS	REF.	N	DIM "G"	"F"
36	6		8.15	B17	
64	20		22.15	B31	
98	37		39.15	B48	
164	70		72.15	B81	

PIN "F" SEE TABLE 2.40±0.10  
NOTE 4

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mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ±			
					.XX ±	projection	title PCI EXPRESS GEN3 CARD EDGE ASS'Y	
				angles	.XXX ±			
				dr	0° ±2°	 MM	product family	
				enr			EDGE CARD	code
				chr		scale	size	
				appd			2:1	dwg no
sheet index		revision sheet		PM ZHENG 05/27/15		A4	10018784	
								sheet 4 of

cage code  
22526

NOTES:

1.MATERIAL:

HOUSING: NYLON, GLASS FILLED UL94V-0 RATE, SUITABLE FOR WAVE SOLDERING.

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE SOLDER TAIL: TIN/LEAD (90/10) - SEE PRODUCT NUMBER CODE 100u" MIN. OVER 50u" NICKEL

METAL BOARD LOCKS: COPPER ALLOY FINISH: 100u" TIN/LEAD (90/10) OVER 50u" NICKEL UNDERPLATE SEE PRODUCT NUMBER CODE

2.PRODUCT SPECIFICATION: GS-12-233

③THE HORIZONTAL AXIS FOR THE HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO Ø2.35 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM Z.

④NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS "F".

⑤CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

⑥FREQUENCY & LOCATION AT SUPPLIER DISCRETION. RIDGE MAY BE CONTINUOUS WITH NO BREAKS.

7.RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2um MINIMUM MATTE TIN OVER 1.27um MINIMUM NICKEL UNDERPLATE.

b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.

- THE HOUSING WILL WITHSTAND EXPOSURE TO 240°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.(For 10018784-X 0 X X X X(X X) options)

CONNECTOR	# POS REF.	N	DIM "A"	DIM "B"	DIM "C"	"E"
1 PORT	36	6	7.65	25.00	9.15	6.00
4 PORT	64	20	21.65	39.00	23.15	20.00
8 PORT	98	37	38.65	56.00	40.15	37.00
16 PORT	164	70	71.65	89.00	73.15	70.00

PRODUCT NUMBER CODE

10018784-x x x x x x □ □

HOUSING COLOR OPTIONS

- 0-WHITE
- 1-BLACK

PEGS OPTIONS

- 0-PLASTIC PEGS
- 1-METAL BOARD LOCKS

TERMINAL PLATING OPTIONS

- 0-50u" Ni UNDERPLATE 30u" Au CONTACT AREA 100u" TIN TAIL AREA ----- COMPATIBLE RoHS
- 1-50u" Ni UNDERPLATE 15u" Au CONTACT AREA 100u" TIN TAIL AREA ----- COMPATIBLE RoHS
- 2-50u" Ni UNDERPLATE GOLD FLASH CONTACT AREA 100u" TIN TAIL AREA ----- COMPATIBLE RoHS
- 3-50u" Ni UNDERPLATE 30u" Au CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS
- 4-50u" Ni UNDERPLATE 15u" Au CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS
- 5-50u" Ni UNDERPLATE GOLD FLASH CONTACT AREA 100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS

LEAD FREE OPTION

LEAVE BLANK FOR TERMINAL PLATING 3,4,5 "LF" FOR TERMINAL PLATING OPTION 0,1,2

POS OPTIONS

- 0-36
- 1-64
- 2-98
- 3-164

PACKAGING OPTIONS

T-TRAY PACKAGING M-TRAY PACKAGING & MYLAR TAPE FOR PICK-N-PLACE. SEE FIGURE 1

TAIL LENGTH OPTIONS

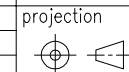
	DIM "D"	PCB THICKNESS	BOARD LOCKS DIM"G"
0	2.30 <sup>+0.25</sup> / <sub>-0.13</sub>	1.56±0.10	1.70±0.15
1	3.10 <sup>+0.25</sup> / <sub>-0.13</sub>	2.36±0.10	2.50±0.15

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CUSTOMER COPY



title PCI EXPRESS GEN3 CARD EDGE ASS'Y

product family EDGE CARD

code TWN

size A4

dwg no 10018784 sheet 5 of

scale 1:1

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	
ltr	ecn no	dr	date	linear	.X ±	projection		
					.XX ±			
					.XXX ±			
				angles	0° ±2°			
				dr	STONE LI 05/27/15	MM		
				enr	STONE LI 05/27/15			
				chr	/ /	scale 1:1		
				appd	PM ZHENG 05/27/15			
sheet index	revision sheet							

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FIGURE 1

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CUSTOMER COPY



title  
PCI EXPRESS GEN3  
CARD EDGE ASS'Y

MM

product family EDGE CARD  
size dwg no

scale  
1.5:1

A4  
10018784  
code  
TWN  
sheet  
6 of

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	
ltr	ecn no	dr	date	linear	.X ± 0.25		projection	
					.XX ± 0.13			
					.XXX ± 0.05			
				angles	0° ± 2°			
		dr	STONE LI	05/27/15			scale 1.5:1	
		enr	STONE LI	05/27/15				
		chr	/	/				
		appd	PM ZHENG	05/27/15				
sheet index	revision sheet							

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