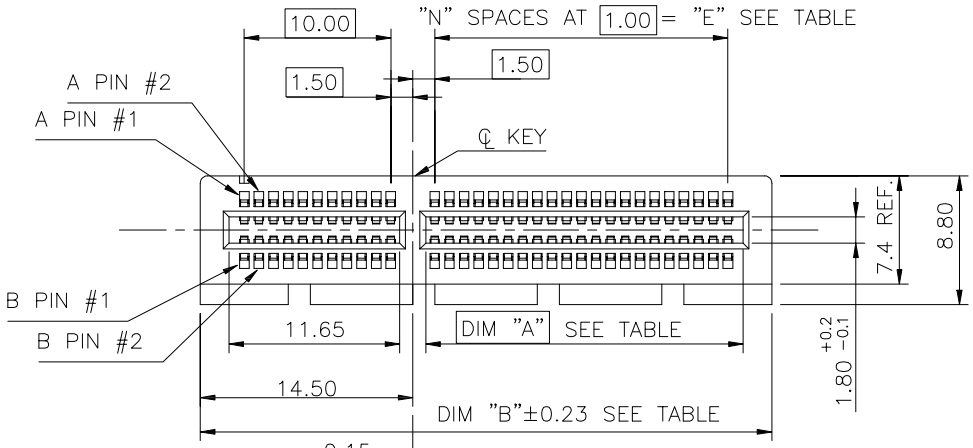
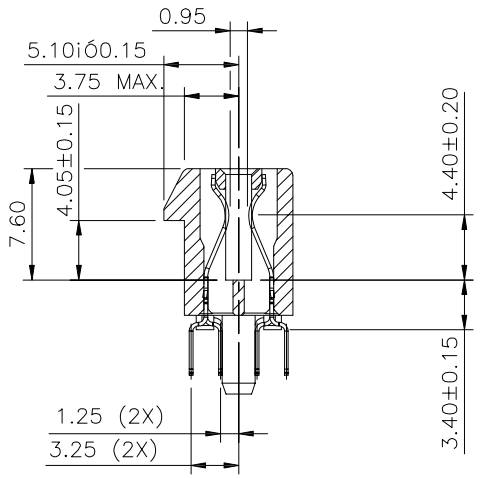
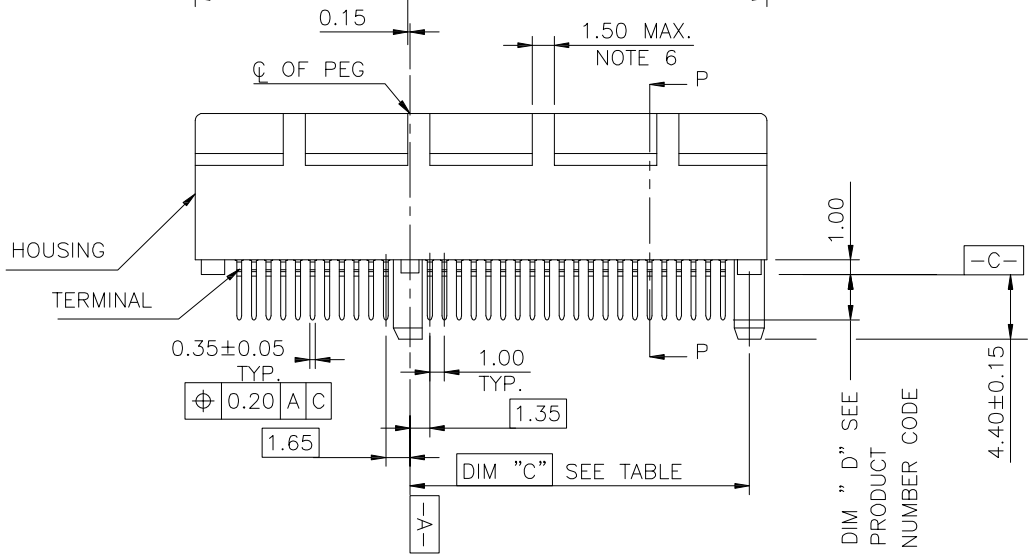
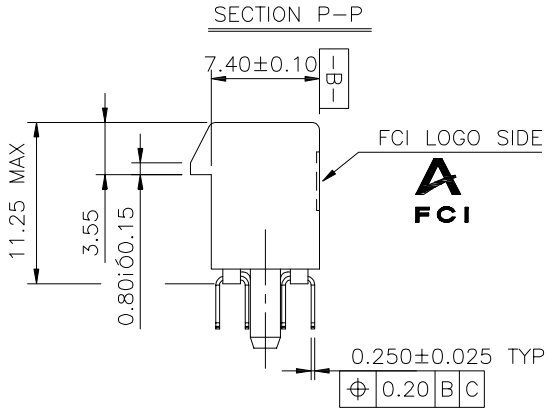
PRODUCT NO.
10018784–X0XXXX

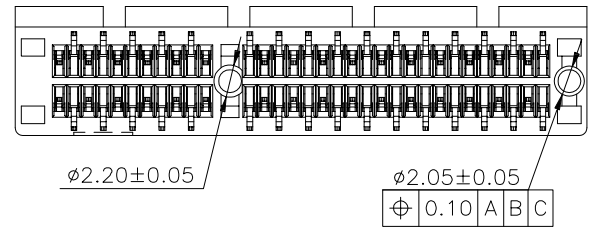








PLASTIC PEG TYPE



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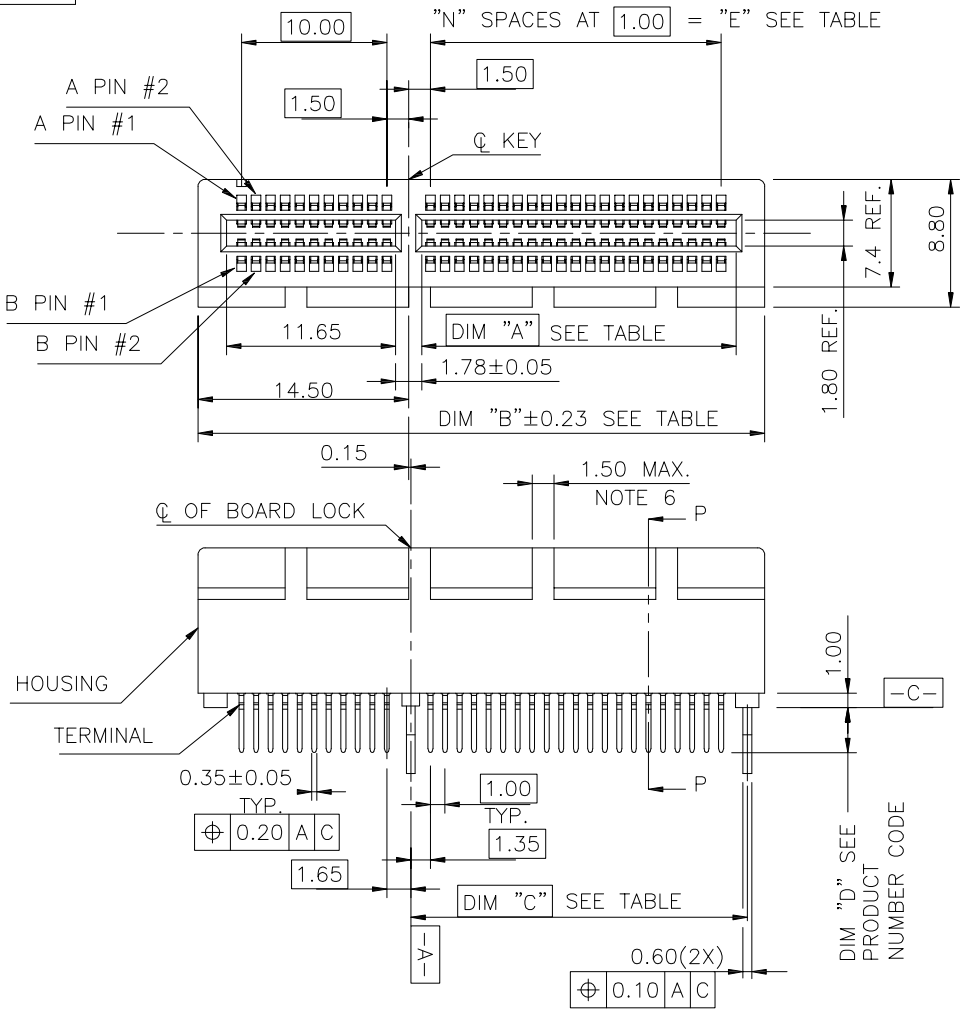
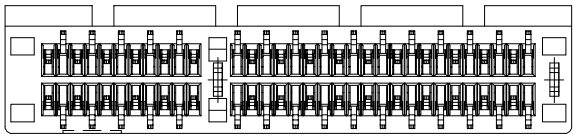
mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no	dr	date	linear	.X ± 0.30			
M	T05–0124	M W	06/07/05		.XX ± 0.20		projection	title: PCI EXPRESS GEN3 CARD EDGE ASSY
N	T05–0153	M W	07/12/05		.XXX ± 0.10			
P	T05–0208	M W	09/15/05	angles	0° ±2°			
R	T06–0206	R C	12/01/06	dr	STONE LI	05/27/15	MM	product family: EDGE CARD; code: TWN
S	ELX-DG-21161-1	S T	05/27/15	engr	STONE LI	05/27/15		
				chr	/	/	scale 2:1	size: A4; dwg no: 10018784; sheet 1 of 6
				appd	PM ZHENG	05/27/15		

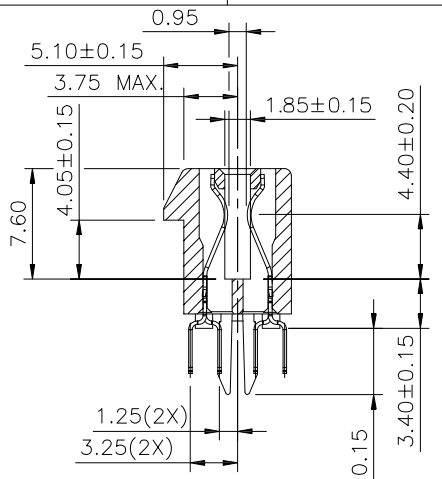
sheet index	revision	S	S	S	S	S	S														
	sheet	1	2	3	4	5	6														

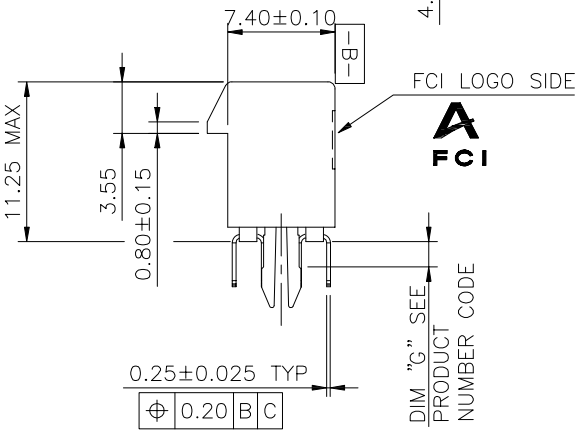
cage code 22526

PRODUCT NO.
10018784–X1XXXX









METAL BOARD LOCKS TYPE

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mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com	
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					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ±2°				
				dr	STONE LI	05/27/15	MM	product family EDGE CARD	code TWN
				engr	STONE LI	05/27/15		size A4 dwg no 10018784	sheet 2 of
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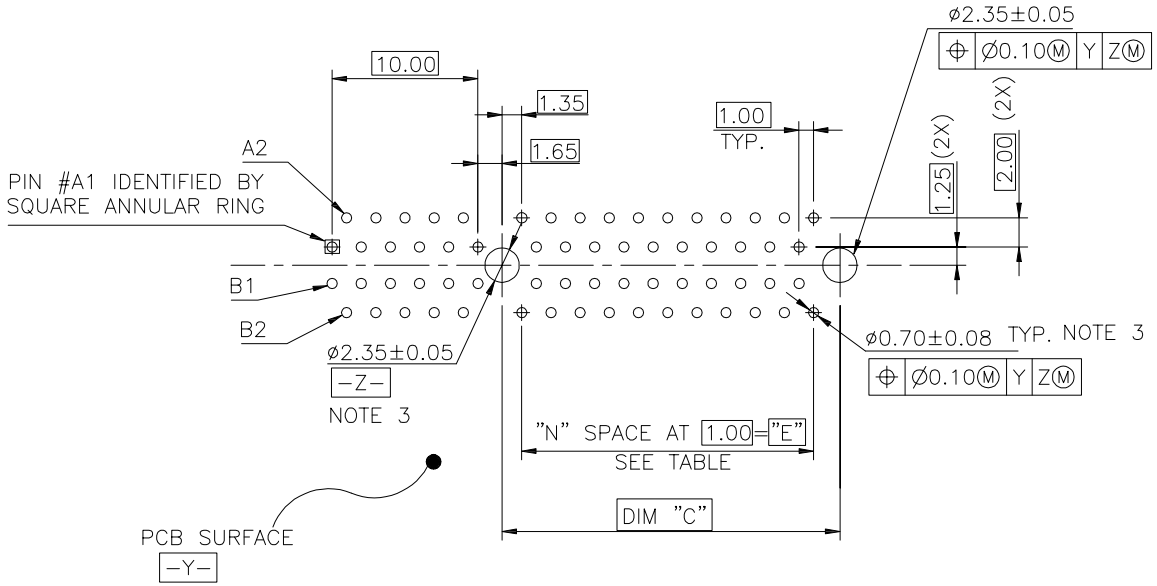
				appd	PM ZHENG	05/27/15			
sheet index	revision sheet								

cage code 22526



I/O PANEL DIRECTION

RECOMMENDED FOOTPRINT

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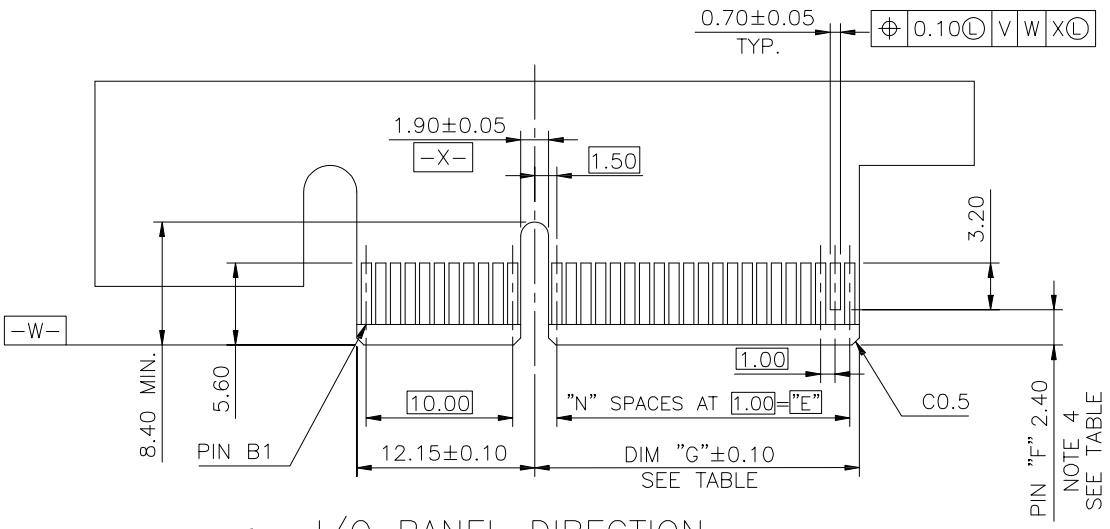
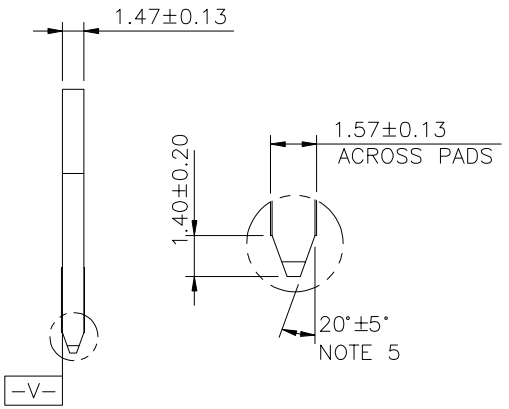
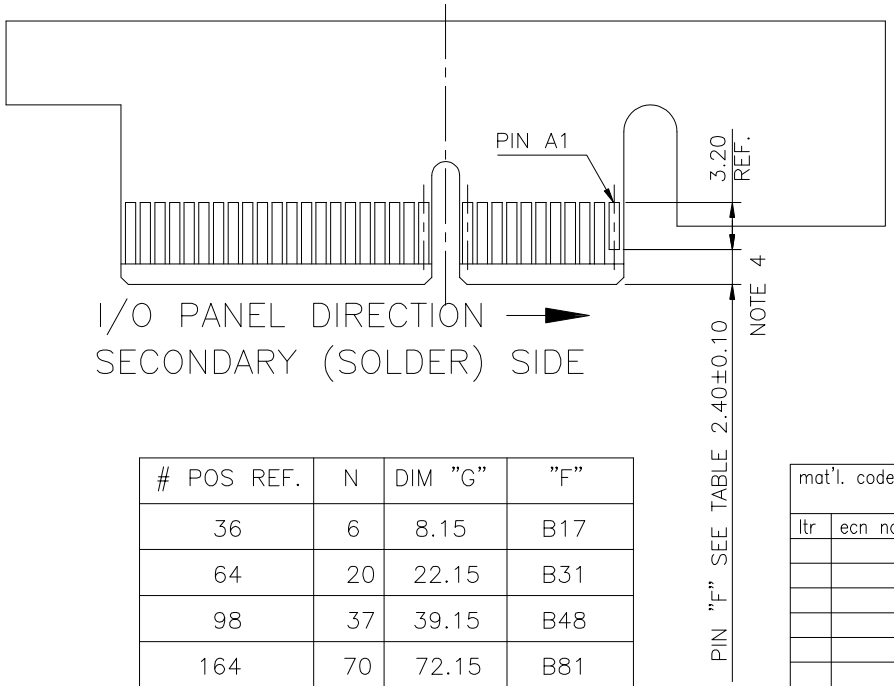
| | | |



I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



SCALE 2:1



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

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

100018784-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

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

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

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	$2.30^{+0.25}_{-0.13}$	1.56±0.10	1.70±0.15
1	$3.10^{+0.25}_{-0.13}$	2.36±0.10	2.50±0.15

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mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no	dr	date	linear	.X ±		projection	title: PCI EXPRESS GEN3 CARD EDGE ASS'Y
					.XX ±			
					.XXX ±			
				angles	0° ±2°			
				dr	STONE LI	05/27/15	MM	product family: EDGE CARD; code: TWN
				engr	STONE LI	05/27/15		size: A4; dwg no: 10018784; sheet: 5 of
				chr	/	/	scale: 1:1	
				appd	PM ZHENG	05/27/15		
sheet index	revision sheet							cage code: 22526

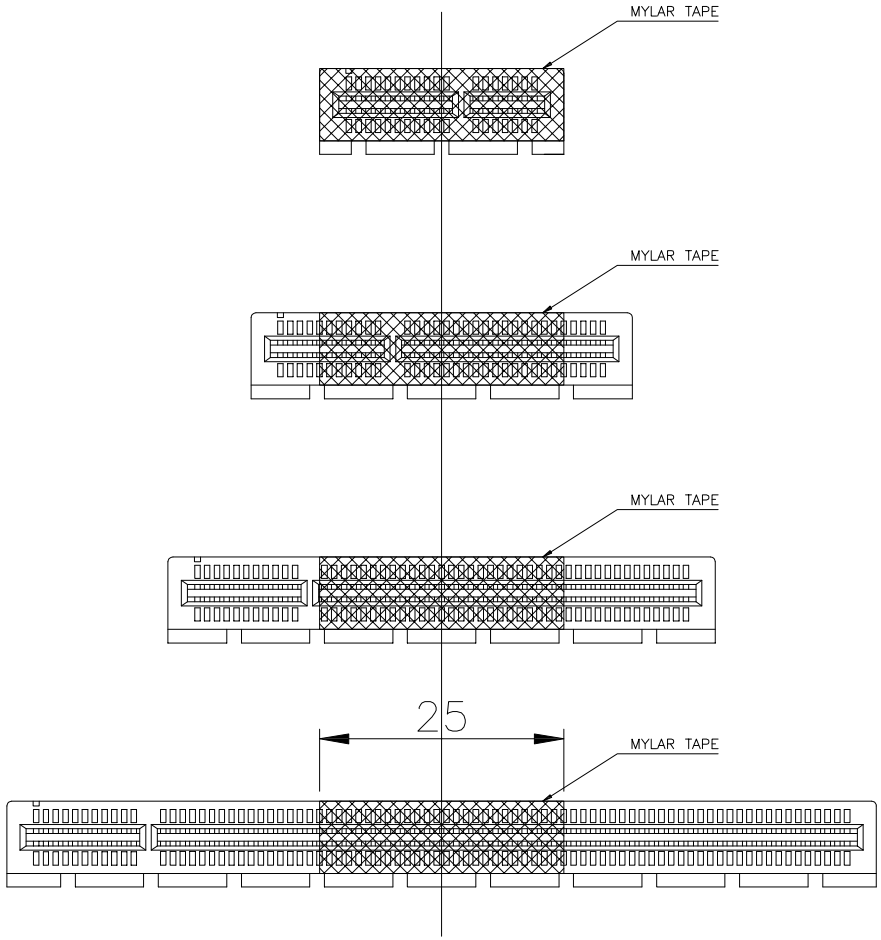

FIGURE 1

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