

61082-AA B C D E G FF

AA	POSITION
02	2X10
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

NOTE 10

B	FOR PLUG, SEE DWG. NO. 61083			
COMBINATION OF MATED HEIGHT	Plug 1	Plug 2	Plug 3	Plug 4
Recep 1				
Recep 2				
Recep 3				
Recep 4				

G	DATE CODE
/	NOT PRINT DATE CODE
P	PRINT DATE CODE

E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP
6	T&R WITHOUT METAL CAP (WITH KAPTON TAPE)

NOTE 10
NOTE 10

D	POLARIZATION PEG	HOLD DOWN
0	YES	NO
2	NO	NO

C	PLATING ON CONTACT AREA	FF
0	GOLD 0.2um MIN / TIN LEAD NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / TIN LEAD NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
4	GOLD 0.2um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
5	GOLD 0.38um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
6	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF

NOTE:

- MATERIAL:
HOUSING: G.F. LCP, UL94-V0
TERMINAL: BERYLLIUM COPPER
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- PACKAGING OPTION 2: NOT ALL SIZES ARE AVAILABLE. CHECK WITH FACTORY.
- THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION "1".
- HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.
- THE P/N 61082-***** OR 61082-*****LF NOT PRINT DATE CODE.
THE P/N 61082-*****P OR 61082-*****PLF NEED PRINT DATE CODE.
- 2X10 POSITION ONLY APPLY TO RECEPTACLE 4.
PACKAGING WITH METAL CAP DOES NOT APPLY TO 2X10 POSITION.

spec ref		dr		Matthew Cheong		2009/06/09		projection		MM		size		A3		scale		3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Guo-Min Sun		2014/11/04				ecn no		ELX-N-15825-1					
				chr		-		-											
				appr		Feagle Pan		2014/11/05				product family		-		rel level			
surface		linear	0.X		±0.20				title		BERGSTAK 0.8MM		dwg no		61082		rev		
			0.XX		±0.15														
			0.XXX		±0.10														
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 7		AB	



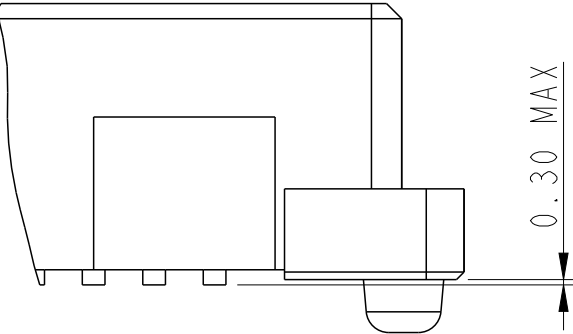
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PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-041***	2X20	15.2	21.8	20.2
61082-061***	2X30	23.2	29.8	28.2
61082-081***	2X40	31.2	37.8	36.2
61082-101***	2X50	39.2	45.8	44.2
61082-121***	2X60	47.2	53.8	52.2
61082-141***	2X70	55.2	61.8	60.2
61082-161***	2X80	63.2	69.8	68.2
61082-181***	2X90	71.2	77.8	76.2
61082-201***	2X100	79.2	85.8	84.2

DATE CODE: XXXXXX

DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL F

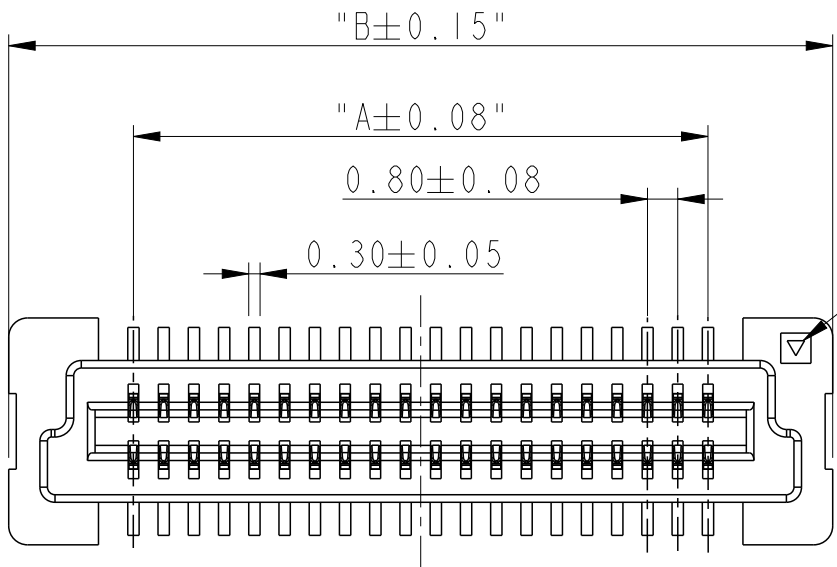


0.30 MAX

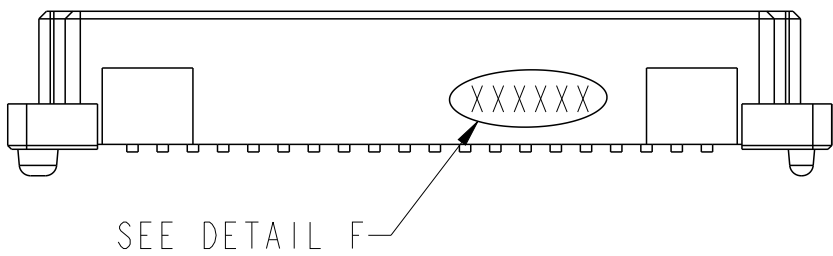
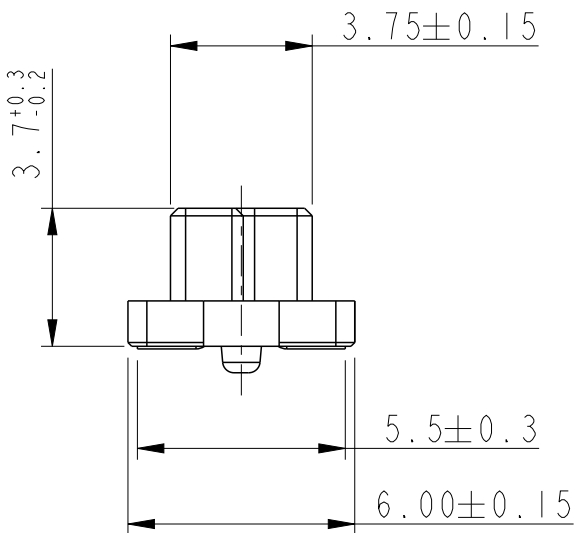
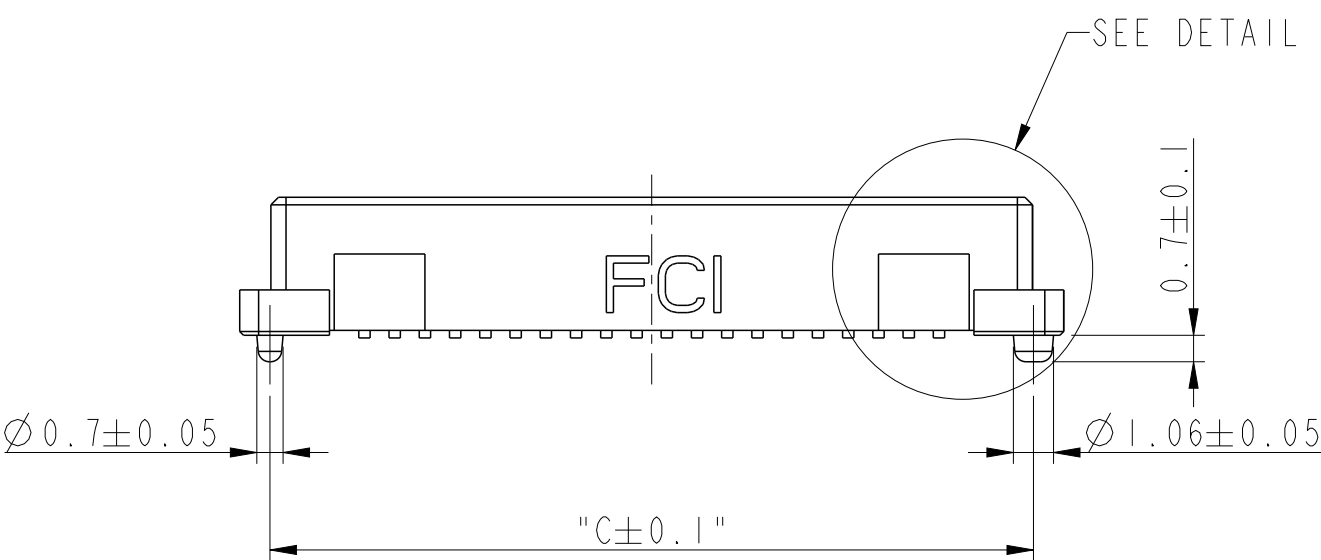
COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

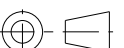
DETAIL A
SCALE 10:1



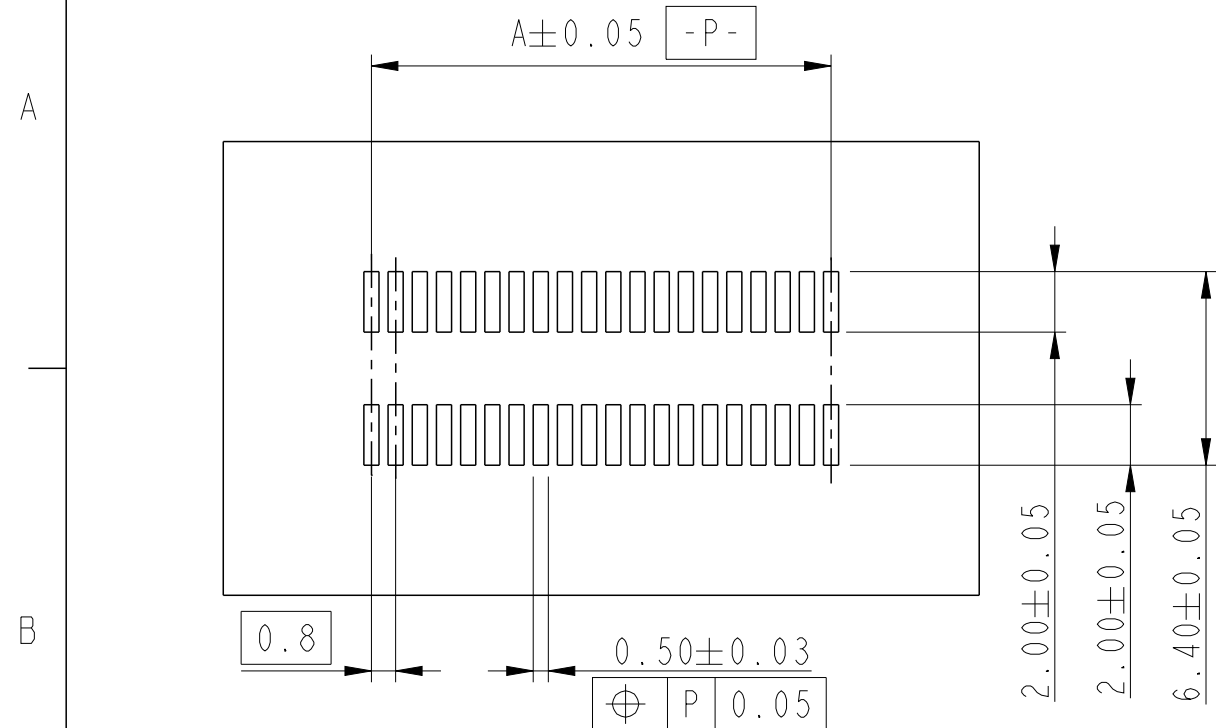
POSITION #1
INDICATOR



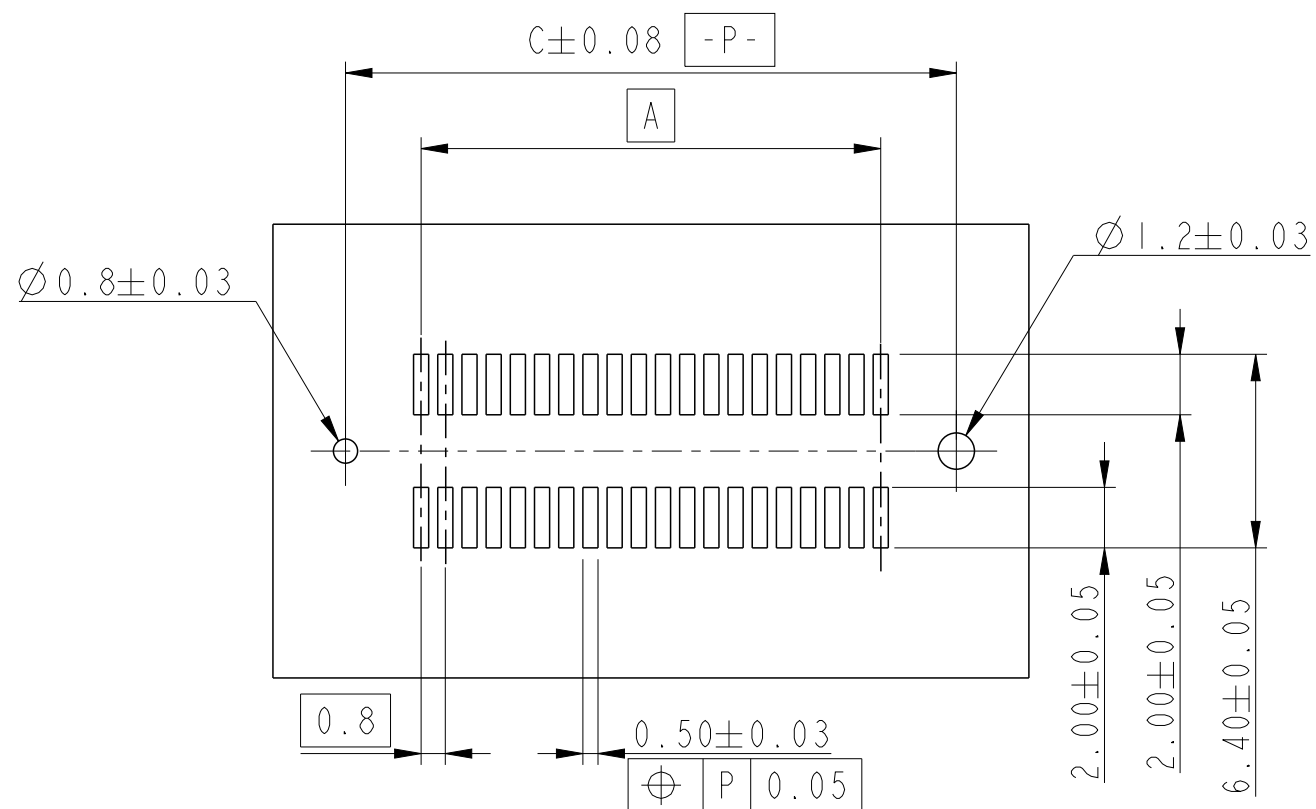
RECEPTACLE I

dr	Matthew Cheong	2009/06/09	projection 	MM 	size	A3	scale	3:1		
eng	Guo-Min Sun	2014/11/04			ecn no				ELX-N-15825-1	
chr	-	-			rel level				Released	
appr	Feagle Pan	2014/11/05	product family		-					
			title		BERGSTAK 0.8MM		dwg no	61082	rev	AB
www.fci.com			cat. no.		-					

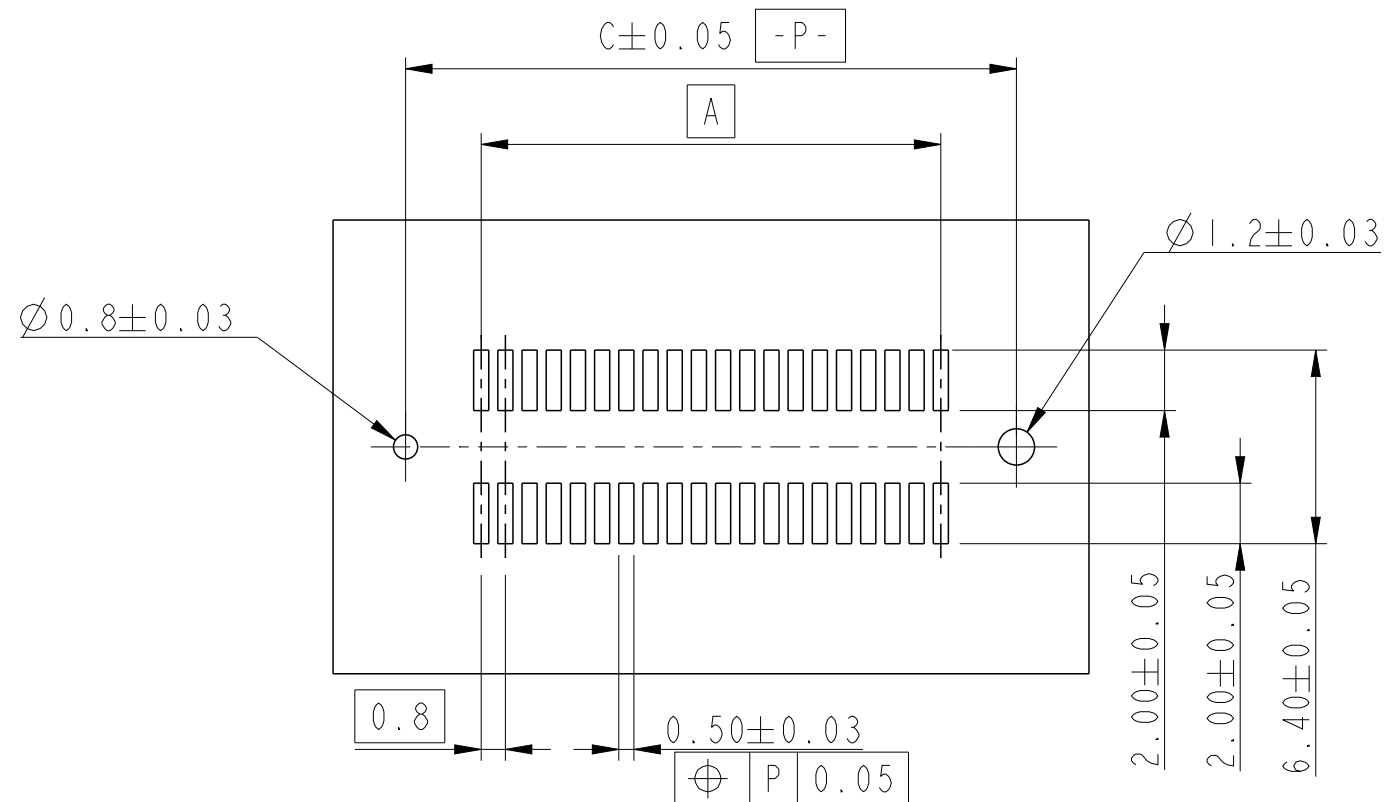
RECEPTACLE 1



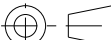
RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X70, 2X80, 2X90, 2X100



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X20, 2X30, 2X40, 2X50, 2X60

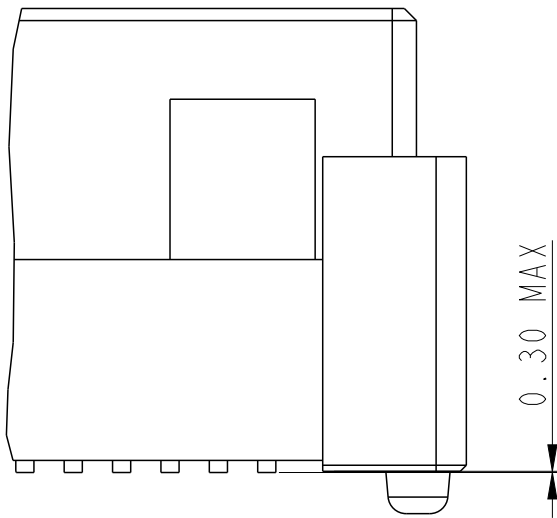
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eng	Guo-Min Sun	2014/11/04			ecn no	ELX-N-15825-1					
chr	-	-			rel level	Released					
appr	Feagle Pan	2014/11/05	product family		-	Released					
		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082	rev	AB
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 3 of 7		

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-042***	2X20	15.2	21.8	20.2
61082-062***	2X30	23.2	29.8	28.2
61082-082***	2X40	31.2	37.8	36.2
61082-102***	2X50	39.2	45.8	44.2
61082-122***	2X60	47.2	53.8	52.2
61082-142***	2X70	55.2	61.8	60.2
61082-162***	2X80	63.2	69.8	68.2
61082-182***	2X90	71.2	77.8	76.2
61082-202***	2X100	79.2	85.8	84.2

DATE CODE: XXXXXX

DAY(01~31)
MONTH(01~12)
YEAR(00~99)

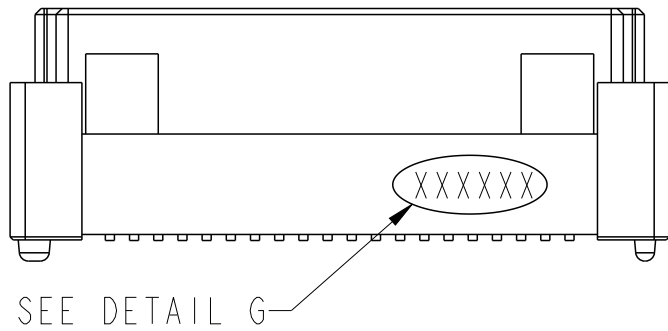
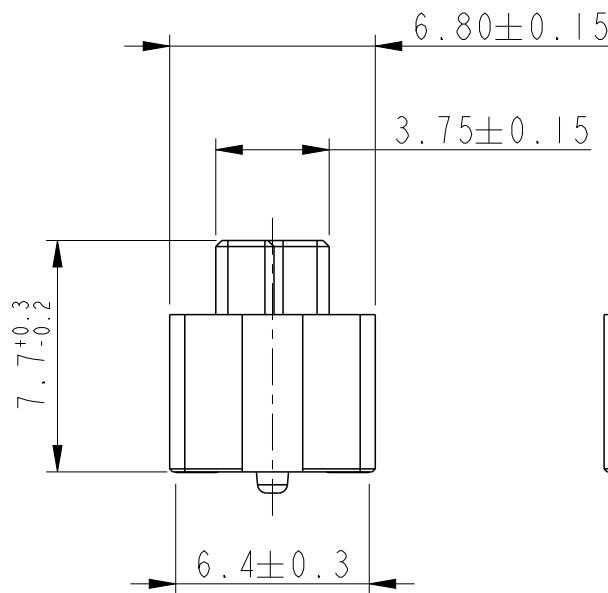
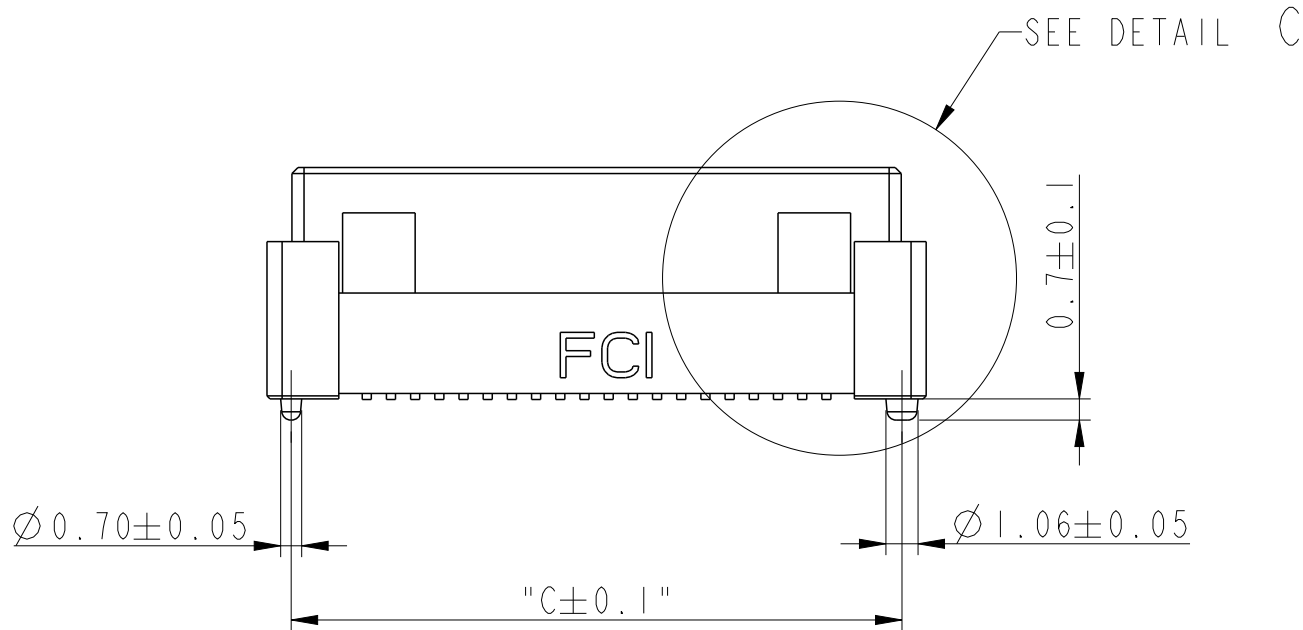
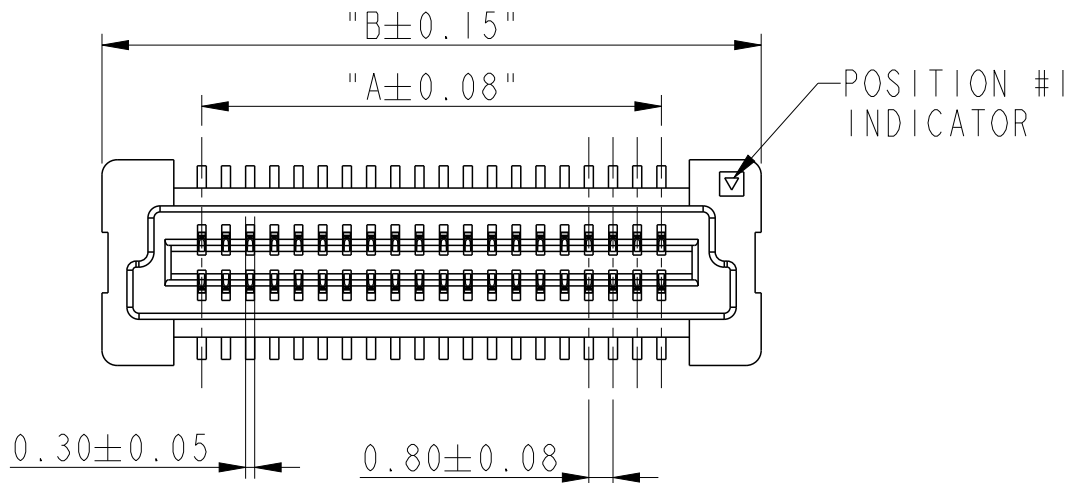
DETAIL G



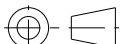
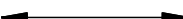
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL C
SCALE 8:1



RECEPTACLE 2

dr	Matthew Cheong	2009/06/09	projection 	MM 	size	A3	scale	3:1				
eng	Guo-Min Sun	2014/11/04			ecn no	ELX-N-15825-1						
chr	-	-				rel level		Released				
appr	Feagle Pan	2014/11/05	product family		-							
			title			BERGSTAK 0.8MM		dwg no	61082	rev	AB	
			RECEPTACLE ASS'Y									
www.fci.com			cat. no.		-	Product - Customer Drw			sheet 4 of 7			



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A

B

C

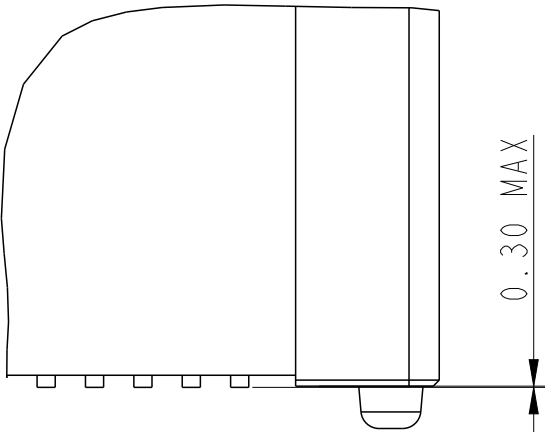
D

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-043***	2X20	15.2	21.8	20.2
61082-063***	2X30	23.2	29.8	28.2
61082-083***	2X40	31.2	37.8	36.2
61082-103***	2X50	39.2	45.8	44.2
61082-123***	2X60	47.2	53.8	52.2
61082-143***	2X70	55.2	61.8	60.2
61082-163***	2X80	63.2	69.8	68.2
61082-183***	2X90	71.2	77.8	76.2
61082-203***	2X100	79.2	85.8	84.2

DATE CODE: XXXXXX

DAY(01~31)
MONTH(01~12)
YEAR(00~99)

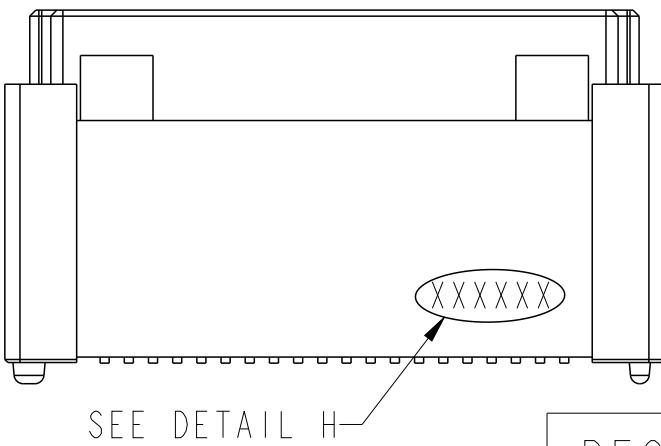
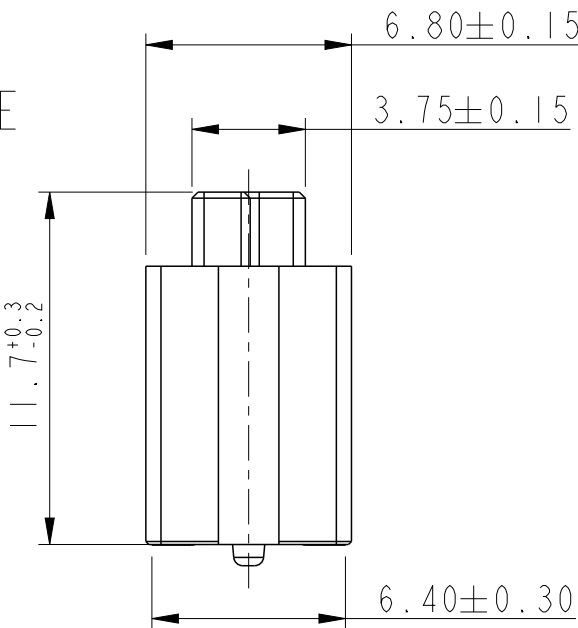
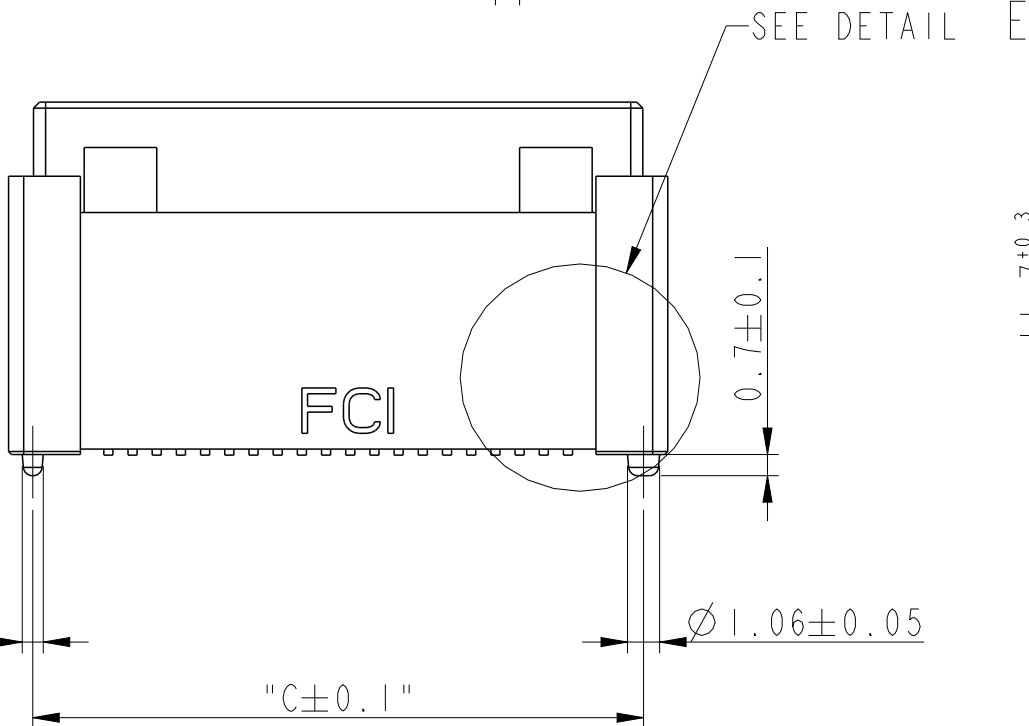
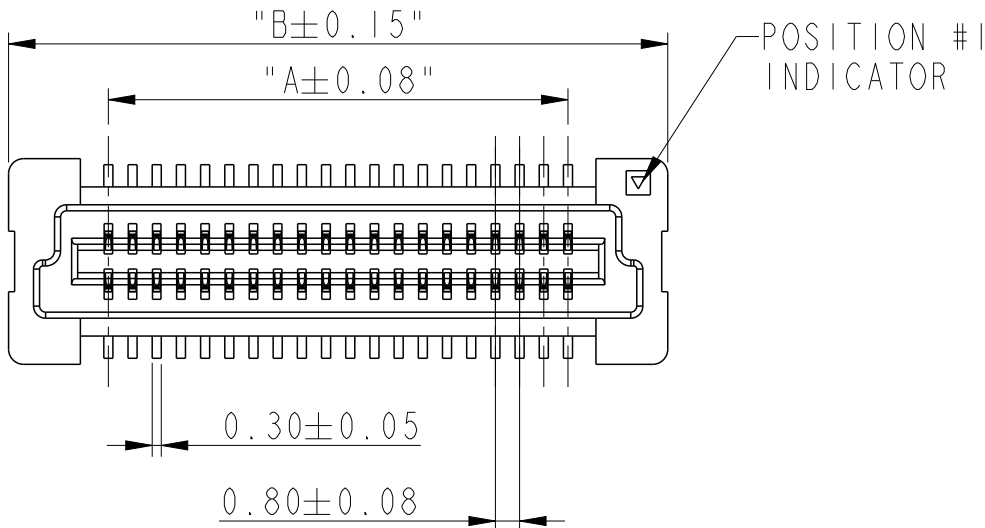
DETAIL H



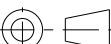
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL E
SCALE 8:1



RECEPTACLE 3

dr	Matthew Cheong	2009/06/09	projection 	MM 	size	A3	scale	3:1	
eng	Guo-Min Sun	2014/11/04			ecn no				ELX-N-15825-1
chr	-	-			rel level				Released
appr	Feagle Pan	2014/11/05	product family		-				
	title	BERGSTAK 0.8MM			dwg no	61082		rev	
		RECEPTACLE ASS'Y				AB			
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 5 of 7		

AB



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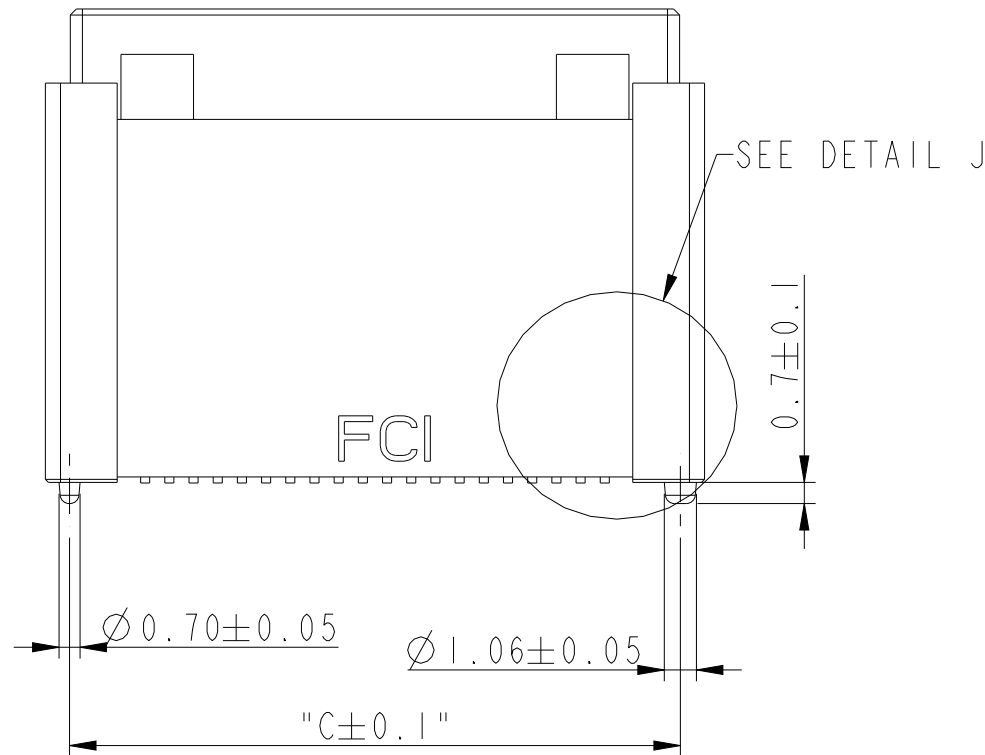
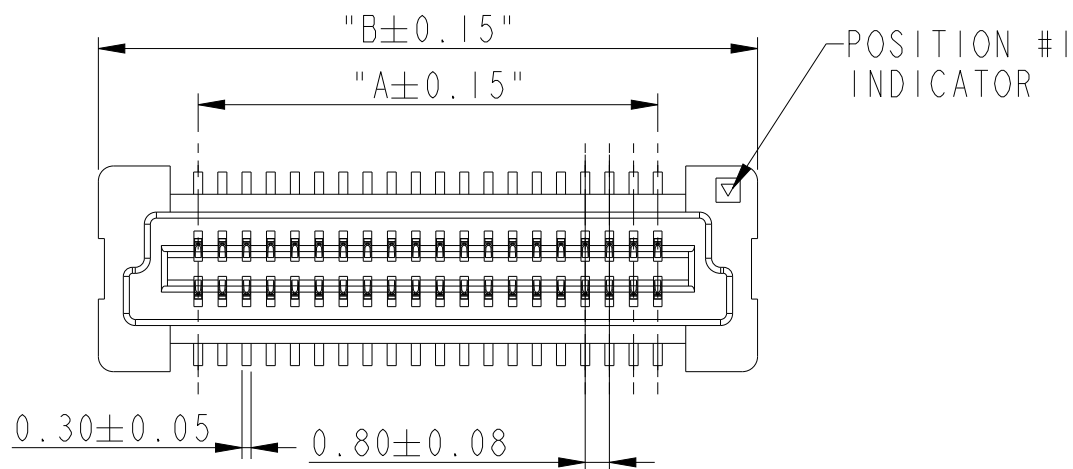
A

B

C

D

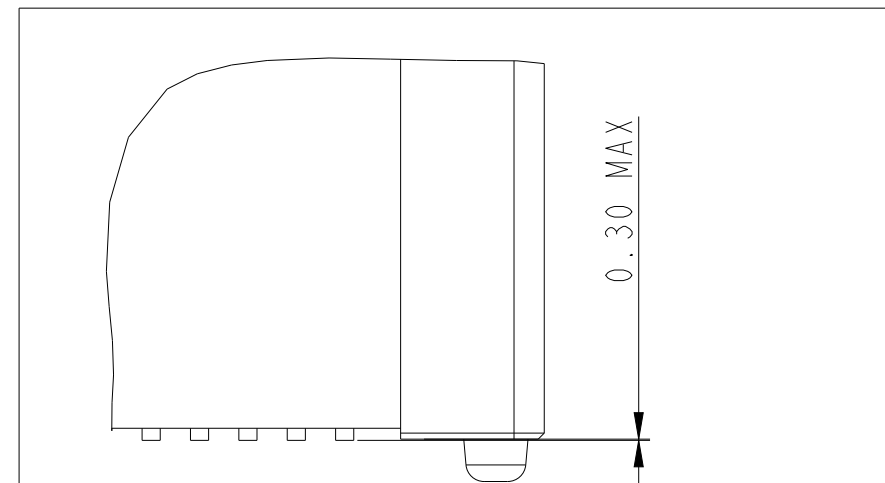
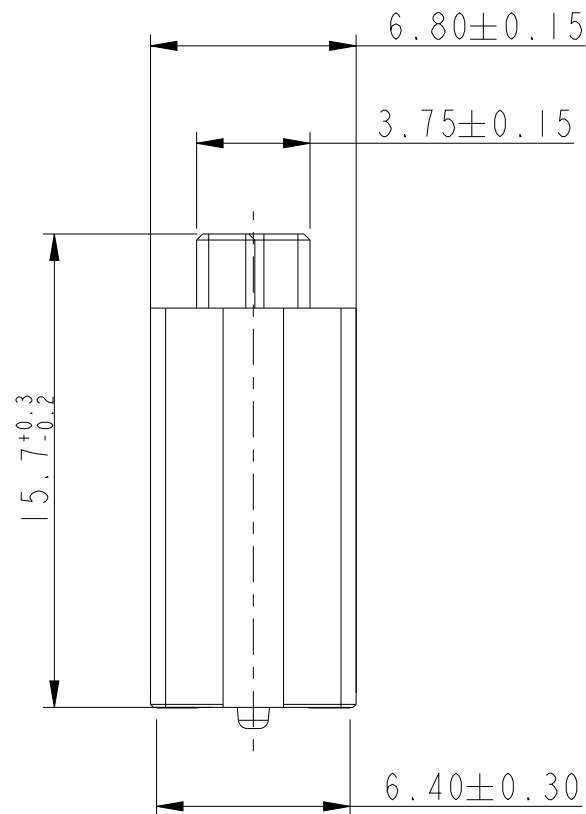
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-024***	2X10	7.2	13.8	12.2
61082-044***	2X20	15.2	21.8	20.2
61082-064***	2X30	23.2	29.8	28.2
61082-084***	2X40	31.2	37.8	36.2
61082-104***	2X50	39.2	45.8	44.2
61082-124***	2X60	47.2	53.8	52.2
61082-144***	2X70	55.2	61.8	60.2
61082-164***	2X80	63.2	69.8	68.2
61082-184***	2X90	71.2	77.8	76.2
61082-204***	2X100	79.2	85.8	84.2



DATE CODE: XXXXXX

DAY(01~31)
MONTH(01~12)
YEAR(00~99)

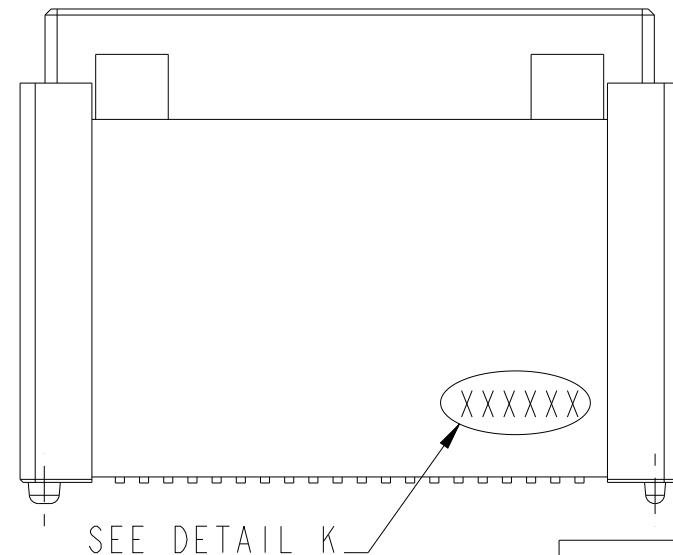
DETAIL K



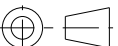
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

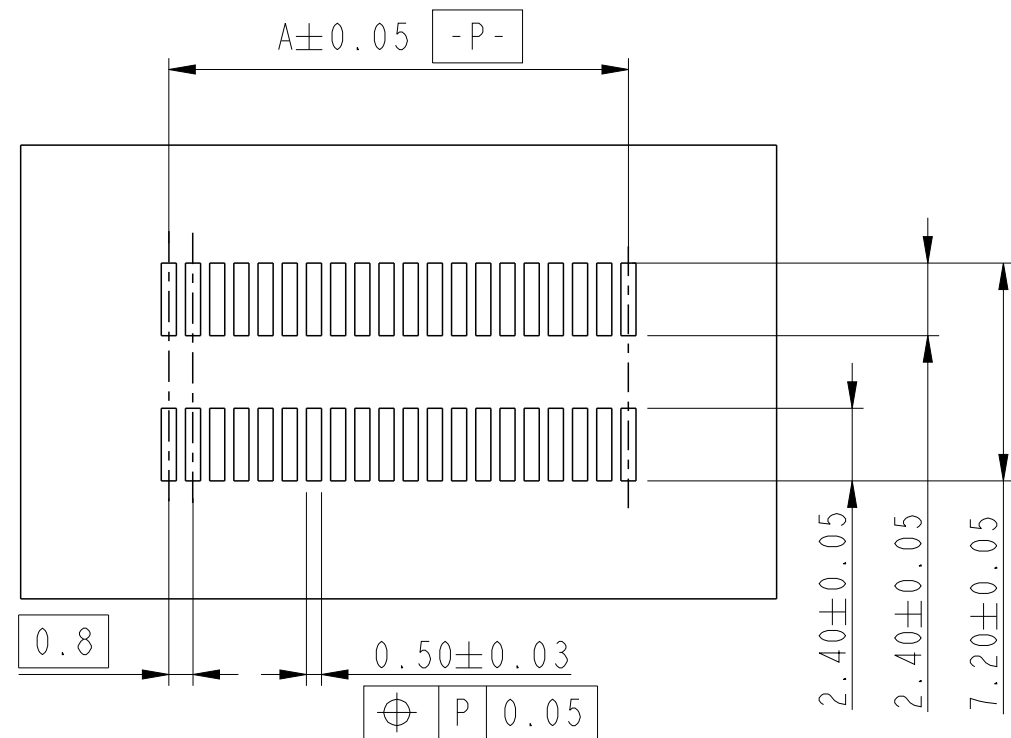
DETAIL J
SCALE 8:1



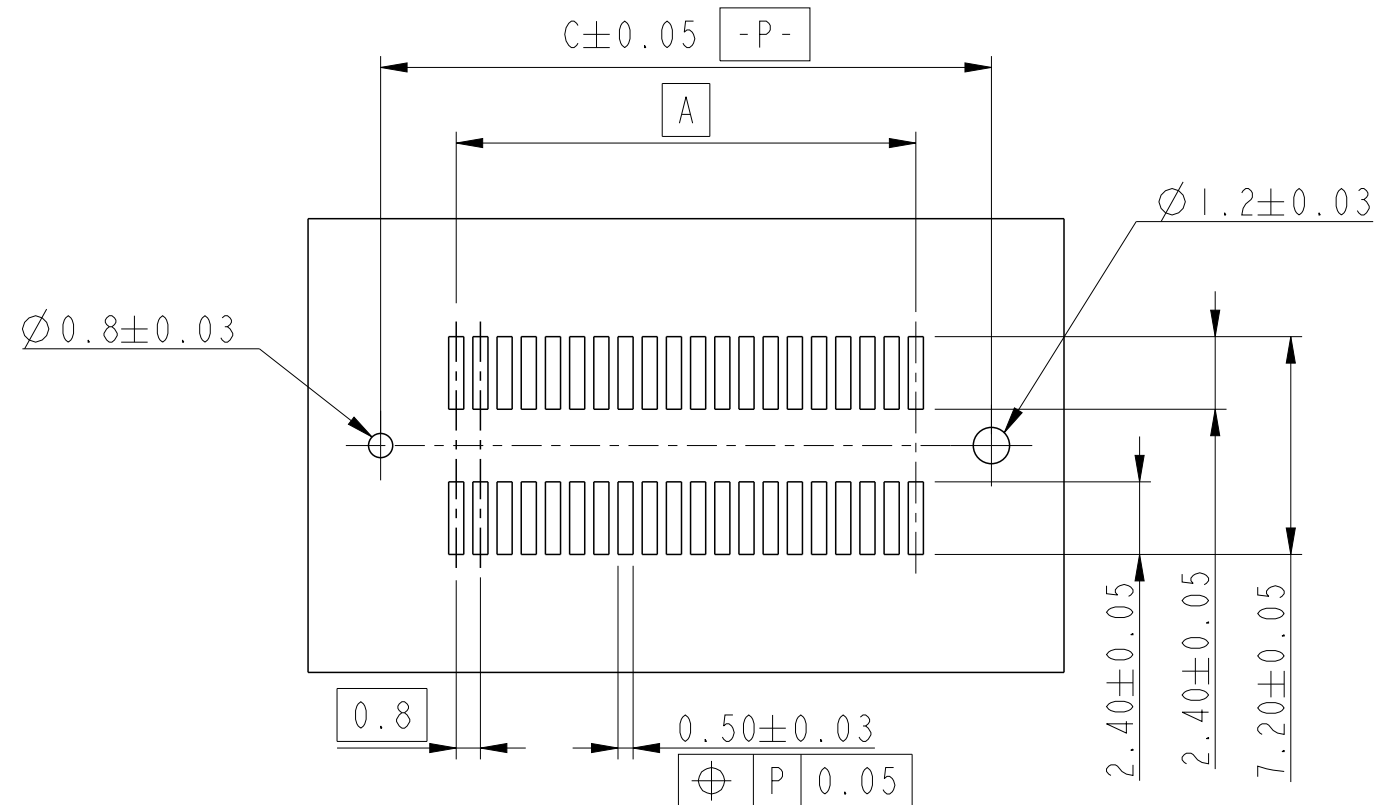
RECEPTACLE 4

dr	Matthew Cheong	2009/06/09	projection 	MM 	size	A3	scale	3:1	
eng	Guo-Min Sun	2014/11/04			ecn no				ELX-N-15825-1
chr	-	-			rel level				Released
appr	Feagle Pan	2014/11/05	product family		-				
	title	BERGSTAK 0.8MM			dwg no	61082		rev	
		RECEPTACLE ASS'Y						AB	
www.fci.com	cat. no.		-	Product - Customer Drw			sheet 6 of 7		

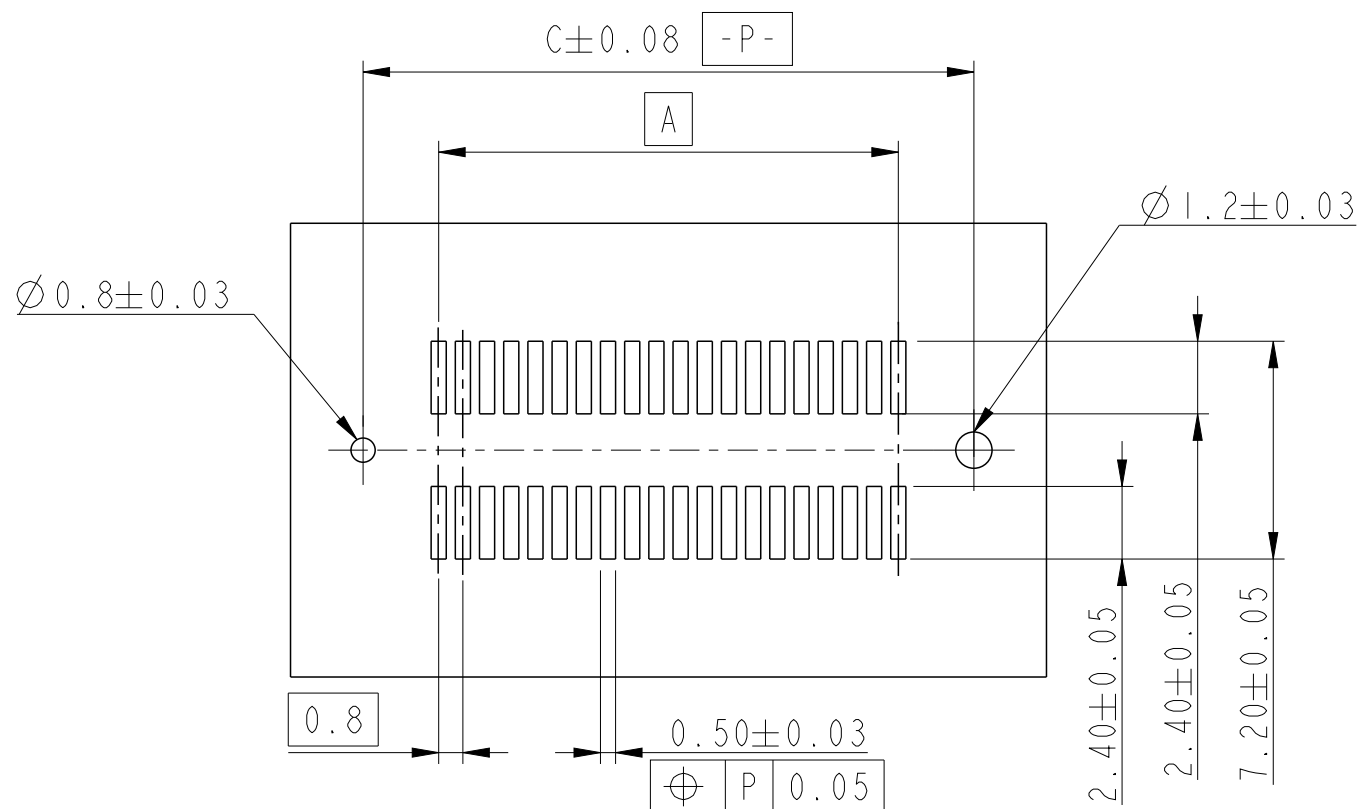
RECEPTACLE 2 & 3 & 4



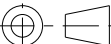
RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X20, 2X30, 2X40, 2X50, 2X60



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X70, 2X80, 2X90, 2X100

dr	Matthew Cheong	2009/06/09	projection 	MM 	size	A3	scale	3:1
eng	Guo-Min Sun	2014/11/04			ecn no	ELX-N-15825-1		
chr	-	-			rel level	Released		
appr	Feagle Pan	2014/11/05	product family		-			
		title			BERGSTAK 0.8MM			rev
		cat. no.			-			
www.fci.com		Product - Customer Drw			sheet 7 of 7			AB