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	5	6	7	8
Recep 2	9	10	11	12
Recep 3	13	14	15	16
Recep 4	17	18	19	20

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

E	PACKAGING	
0	TUBE WITHOUT METAL CAP	
2	T&R WITH METAL CAP	NOTE 10
9	TUBE WITH METAL CAP	NOTE 10
6	T&R WITHOUT METAL CAP (WITH KAPTON TAPE)	

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:

1. MATERIAL:
   HOUSING: G.F. LCP, UL94-V0
   TERMINAL:NICKEL COPPER
2. PLATING: AS SHOWN IN TABLE.
3. SEE GS-12-547 FOR PRODUCT SPEC.
4. PACKAGING OPTION 2: NOT ALL SIZES ARE AVAILABLE. CHECK WITH FACTORY.
5. THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
6. THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
7. PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION " 1".
8. HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.
9. THE P/N 61082-****** OR 61082-******LF NOT PRINT DATE CODE.
   THE P/N 61082-******P OR 61082-******PLF NEED PRINT DATE CODE.
10. 2X10 POSITION ONLY APPLY TO RECEPTACLE 4.
    PACKAGING WITH METAL CAP DOES NOT APPLY TO 2X10 POSITION.

Copyright FCI.

spec ref			dr	Matthew Cheong	2009/06/09	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Jim Meng	2015/03/25		
			chr	-	-		
			appr	Tim Yao	2015/04/02	product family	-
surface - ISO 1302	linear	0.X ±0.20	FCI www.fci.com	title	BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no	61082
		0.XX ±0.15					
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	sheet 1 of 7

size	scale
A3	3:1

ecn no ELX-N-20397-1

rel level **Released**

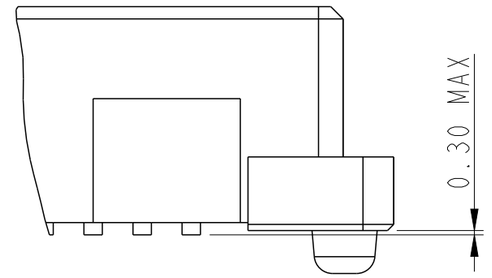
rev **AD**

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)

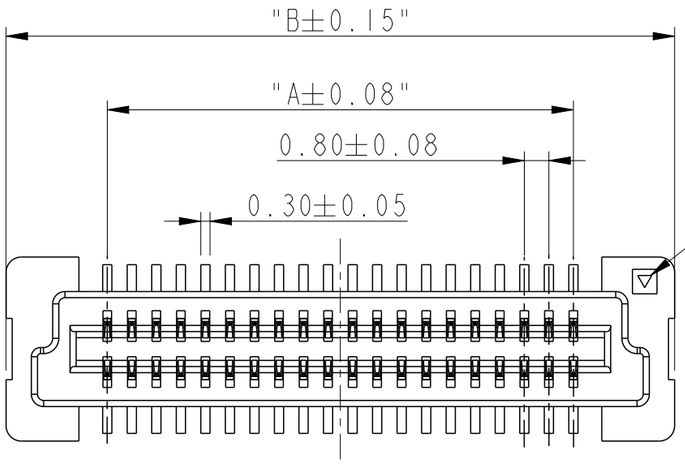
DETAIL F

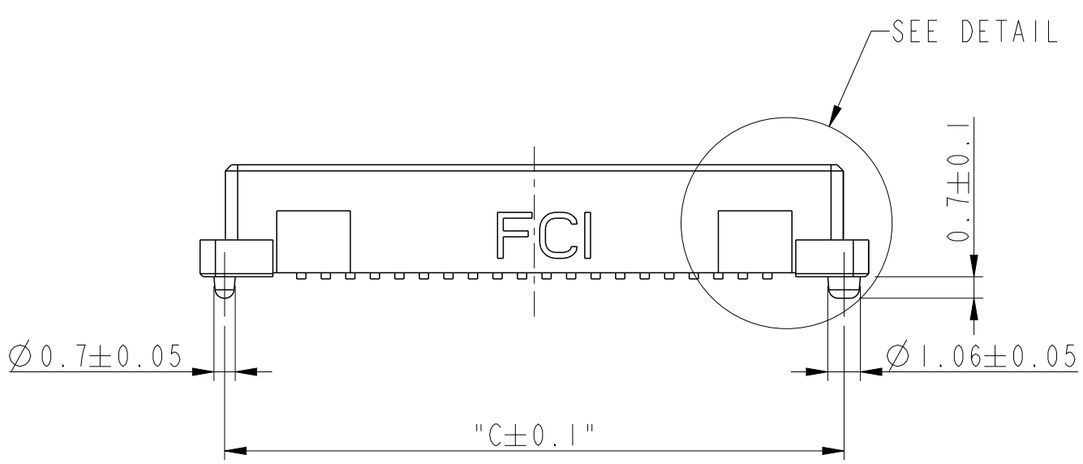


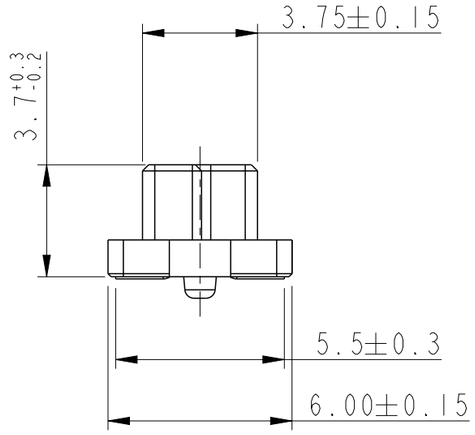
COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

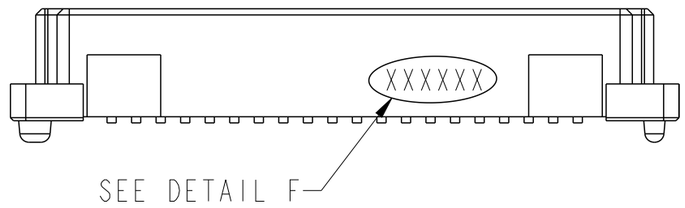
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL A
SCALE 10:1









RECEPTACLE 1

dr	Matthew Cheong	2009/06/09	projection	MM	size A3 / scale 3:1
eng	Jim Meng	2015/03/25			ecn no ELX-N-20397-1
chr	-	-			
appr	Tim Yao	2015/04/02	product family -		rel level Released

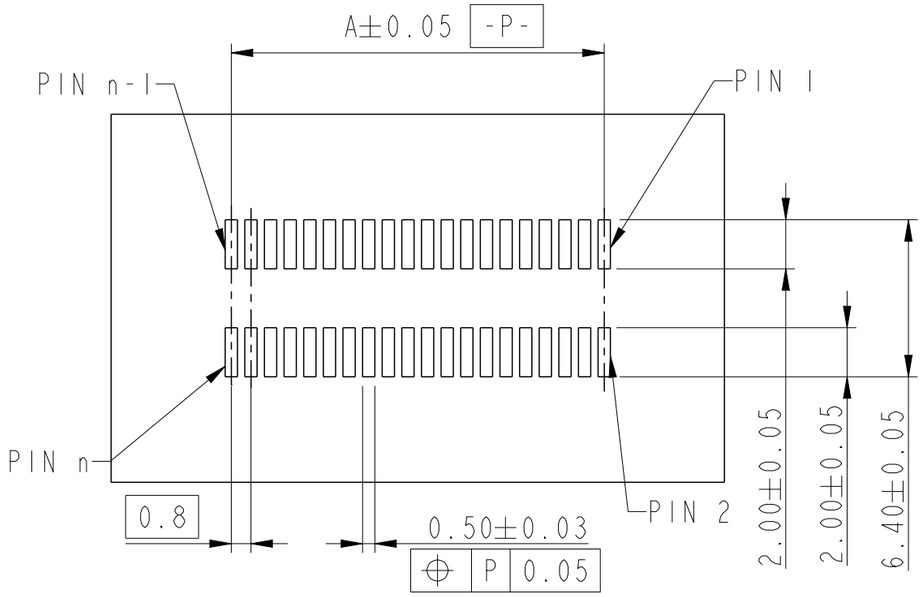
www.fci.com	title: BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no 61082	rev AD
	cat. no. -	Product - Customer Drw	sheet 2 of 7

Copyright FCI.

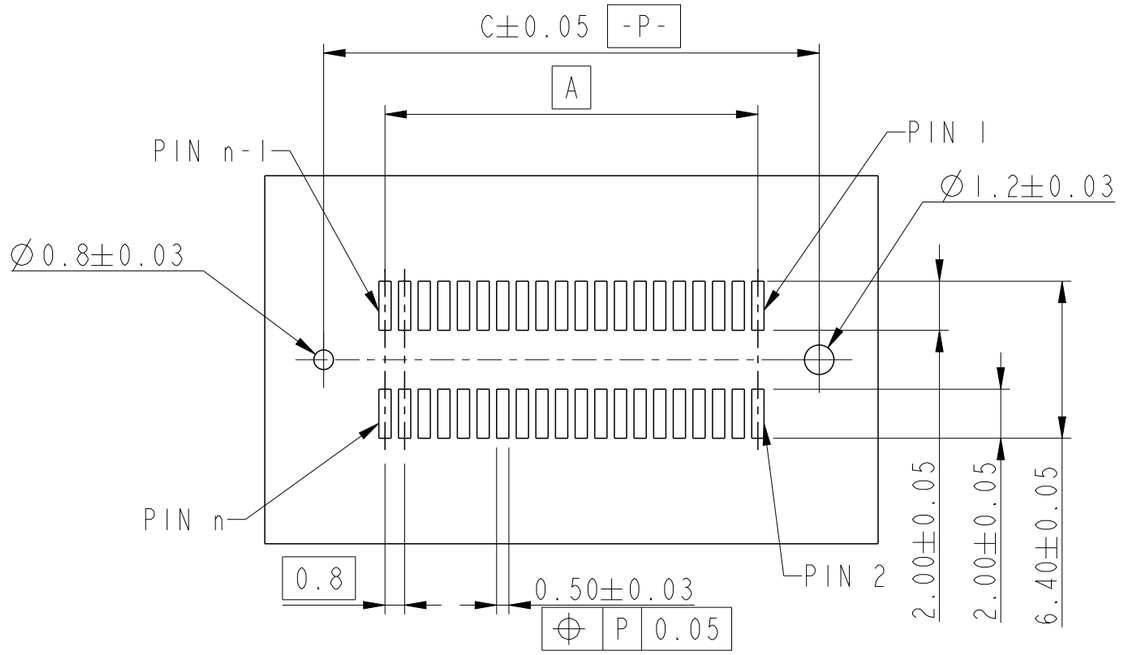
Pro/E File - REV C - 2009-06-09

PDS: Rev :AD STATUS:Released Printed: Apr 02, 2015

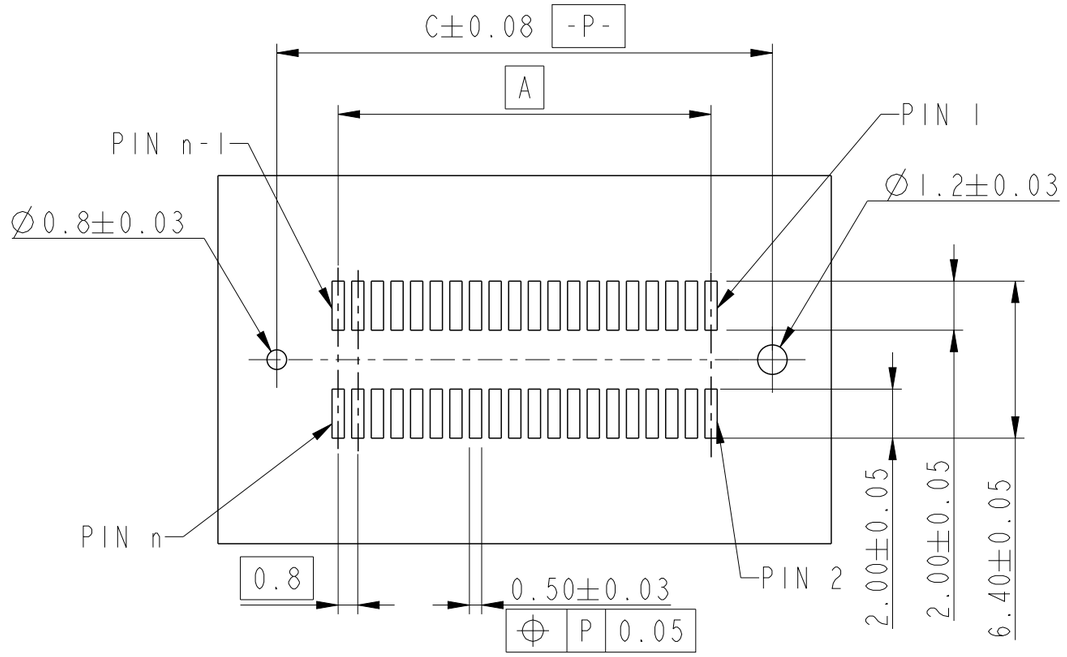
RECEPTACLE 1



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	Jim Meng	2015/03/25			ecn no	ELX-N-20397-1
chr	-	-			rel level	Released
appr	Tim Yao	2015/04/02	product family	-		

www.fci.com	title: BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no: 61082	rev: AD
	cat. no. -	Product - Customer Drw	sheet 3 of 7

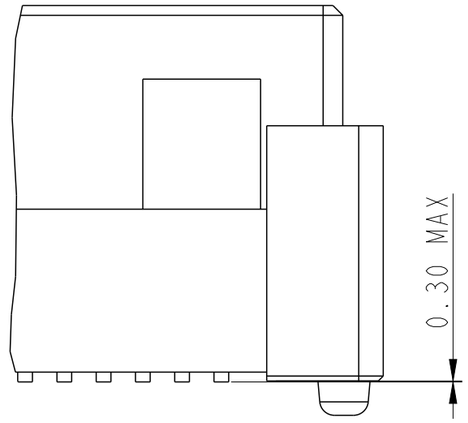
Copyright FCI.

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)

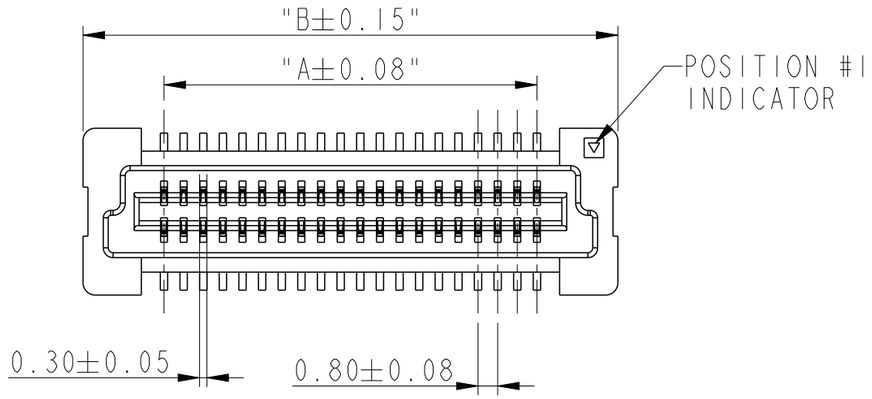
DETAIL G

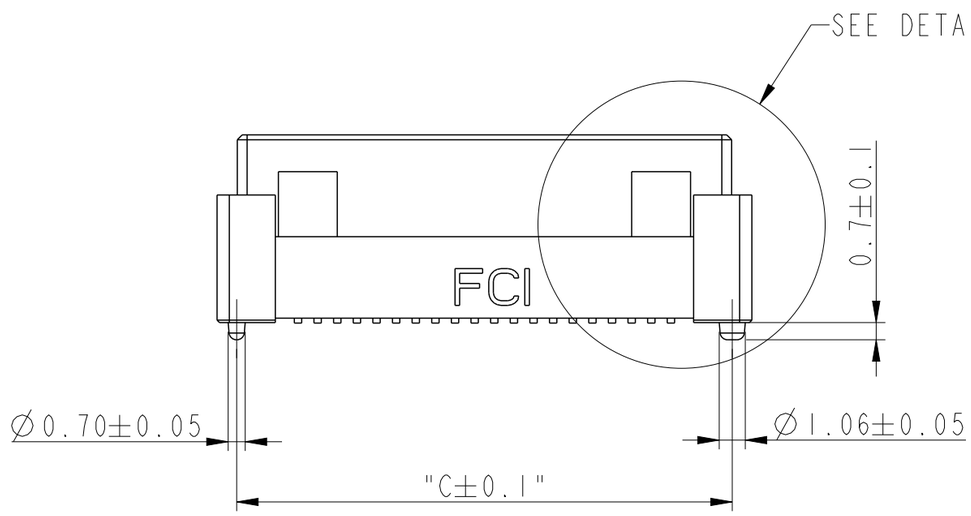


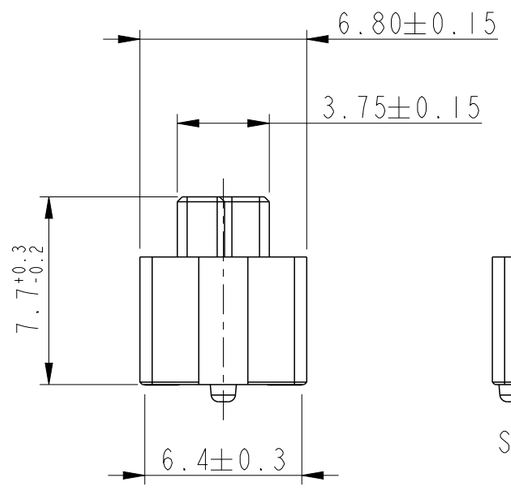
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

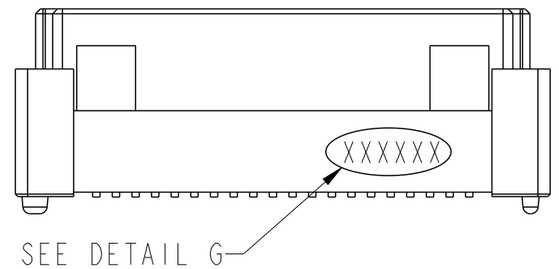
HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL C
SCALE 8:1









RECEPTACLE 2

dr	Matthew Cheong	2009/06/09	projection	MM	size A3 / scale 3:1
eng	Jim Meng	2015/03/25			ecn no ELX-N-20397-1
chr	-	-			
appr	Tim Yao	2015/04/02	product family -		rel level Released

www.fci.com	title: BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no 61082	rev AD
	cat. no. -	Product - Customer Drw	sheet 4 of 7

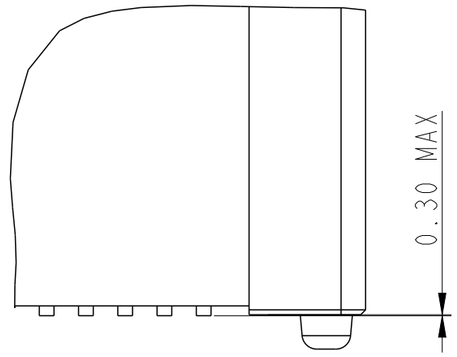
Copyright FCI.

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)

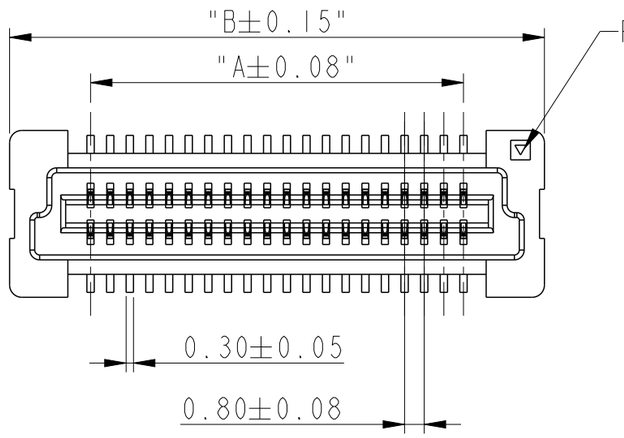
DETAIL H

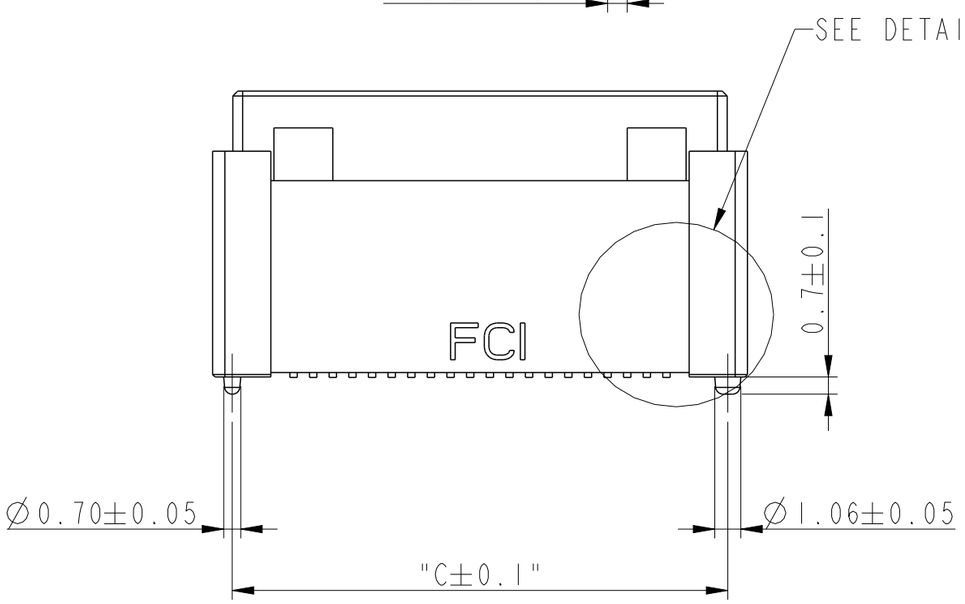


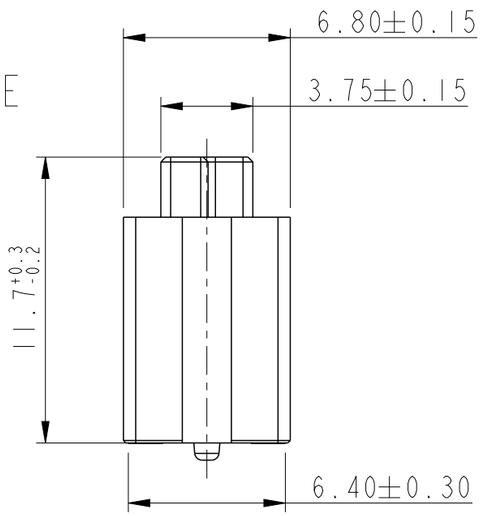
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

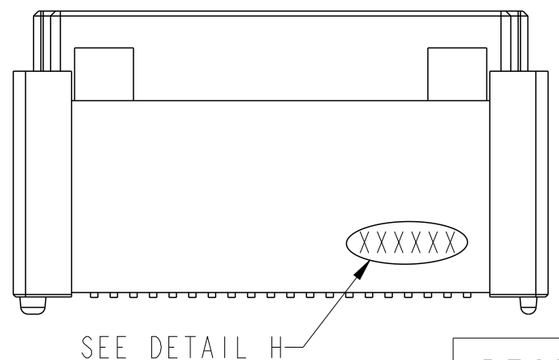
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL E
SCALE 8:1









RECEPTACLE 3

dr	Matthew Cheong	2009/06/09	projection	MM	size A3 / scale 3:1
eng	Jim Meng	2015/03/25			ecn no ELX-N-20397-1
chr	-	-			
appr	Tim Yao	2015/04/02	product family -		rel level Released

FCI www.fci.com

title: BERGSTAK 0.8MM RECEPTACLE ASS'Y
dwg no: 61082
rev: AD
cat. no. -
Product - Customer Drw
sheet 5 of 7

Copyright FCI.

Pro/E File - REV C - 2009-06-09

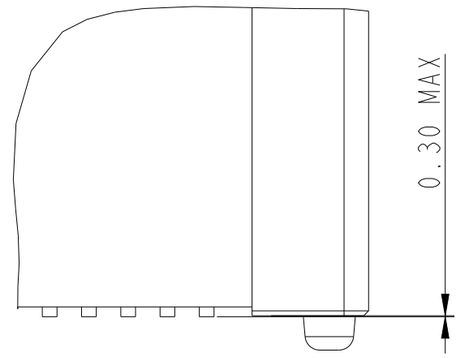
PDS: Rev :AD
STATUS:Released
Printed: Apr 02, 2015

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)

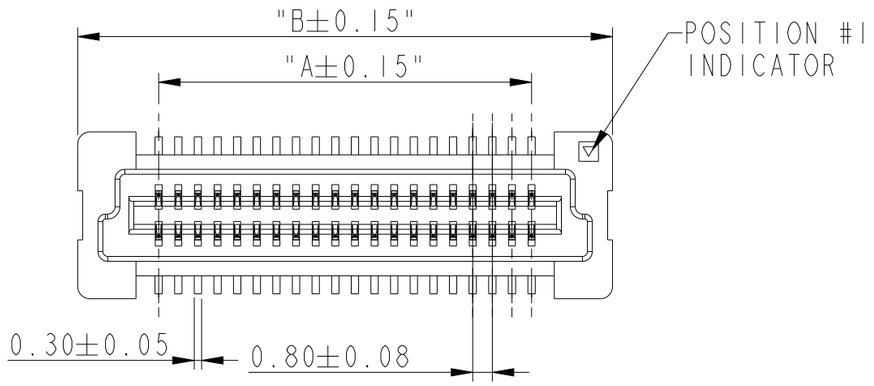
DETAIL K

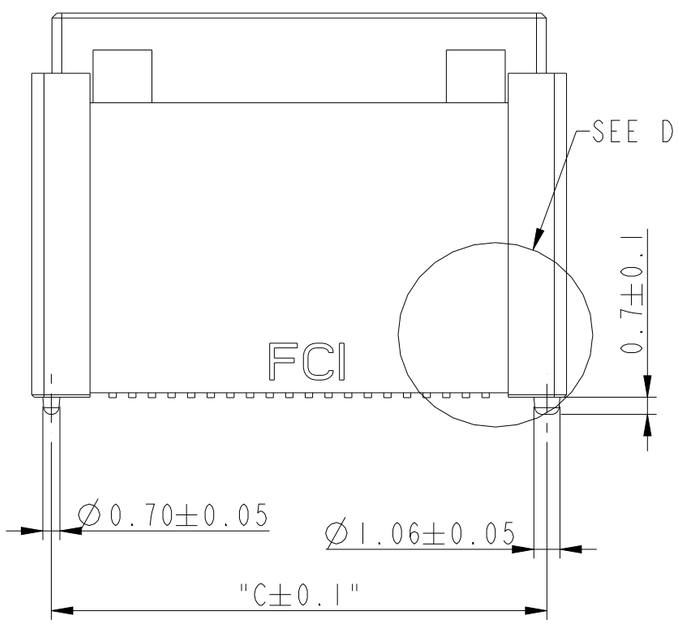


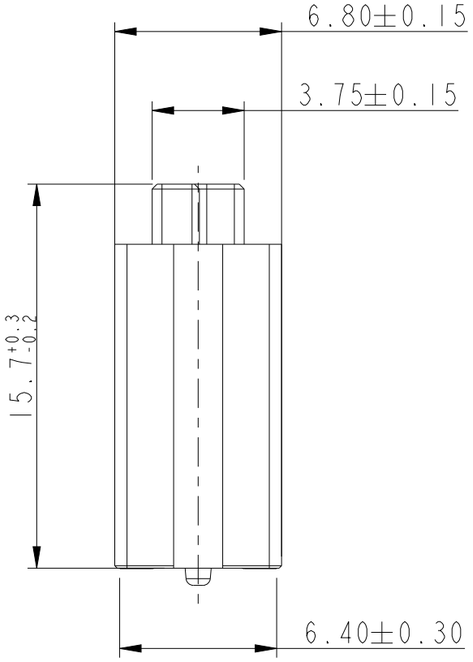
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

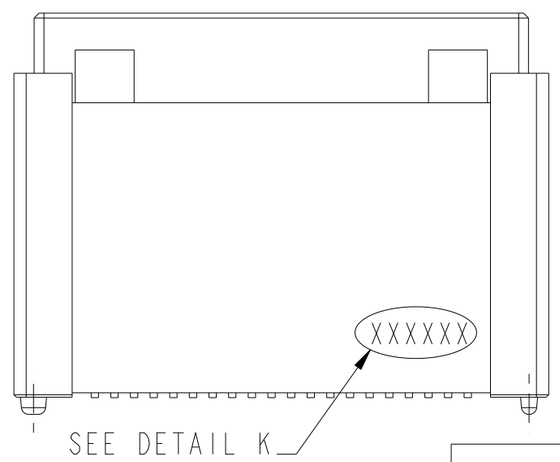
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL J
SCALE 8:1









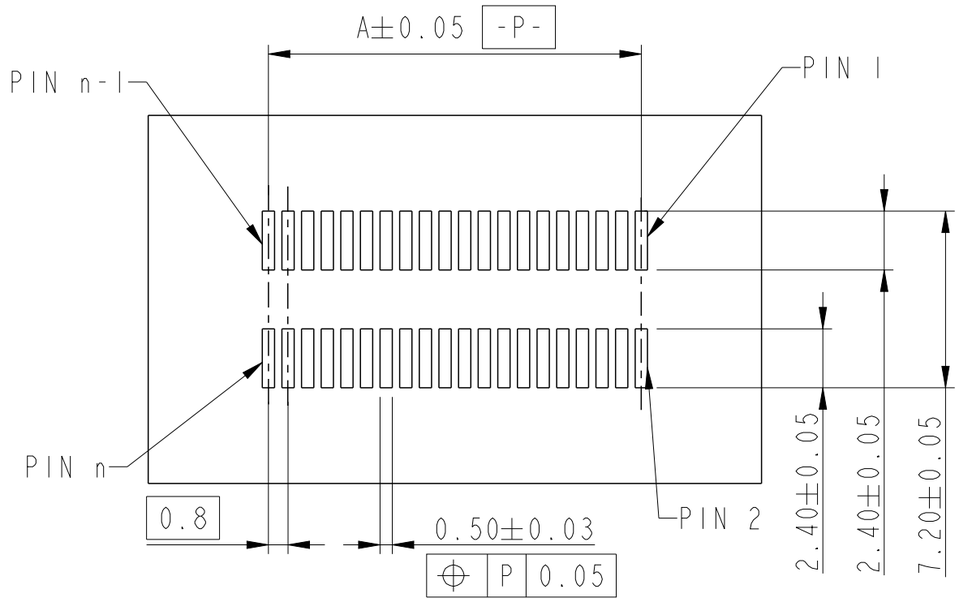
RECEPTACLE 4

dr	Matthew Cheong	2009/06/09	projection	MM	size A3 / scale 3:1
eng	Jim Meng	2015/03/25			ecn no ELX-N-20397-1
chr	-	-			
appr	Tim Yao	2015/04/02	product family -		rel level Released

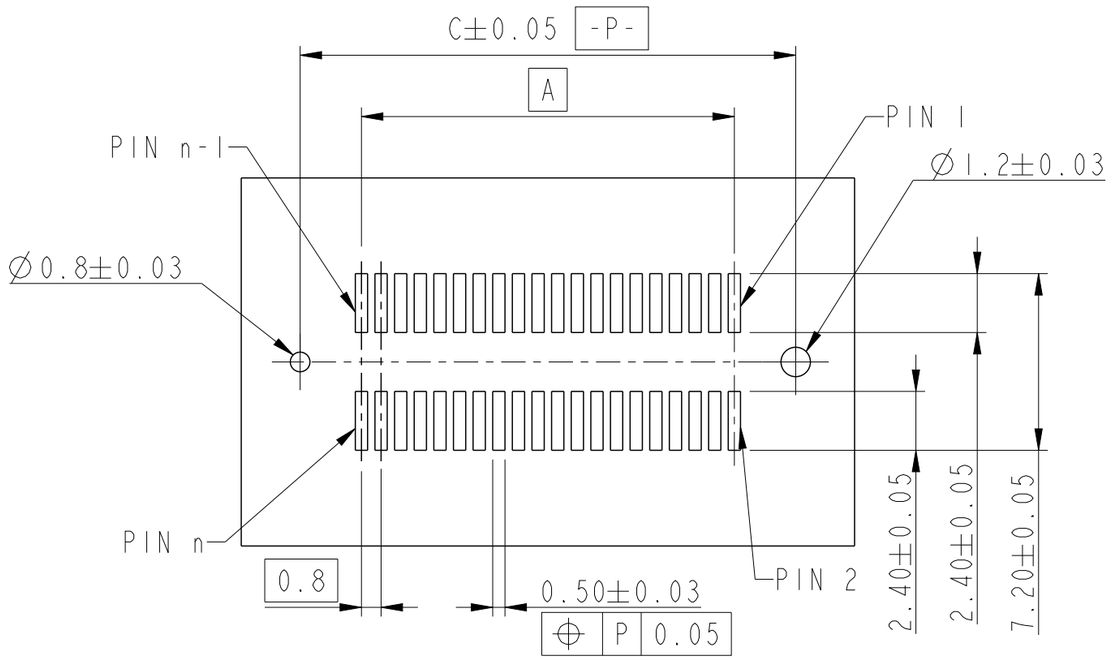
www.fci.com	title: BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no 61082	rev AD
	cat. no. -	Product - Customer Drw	sheet 6 of 7

Copyright FCI.

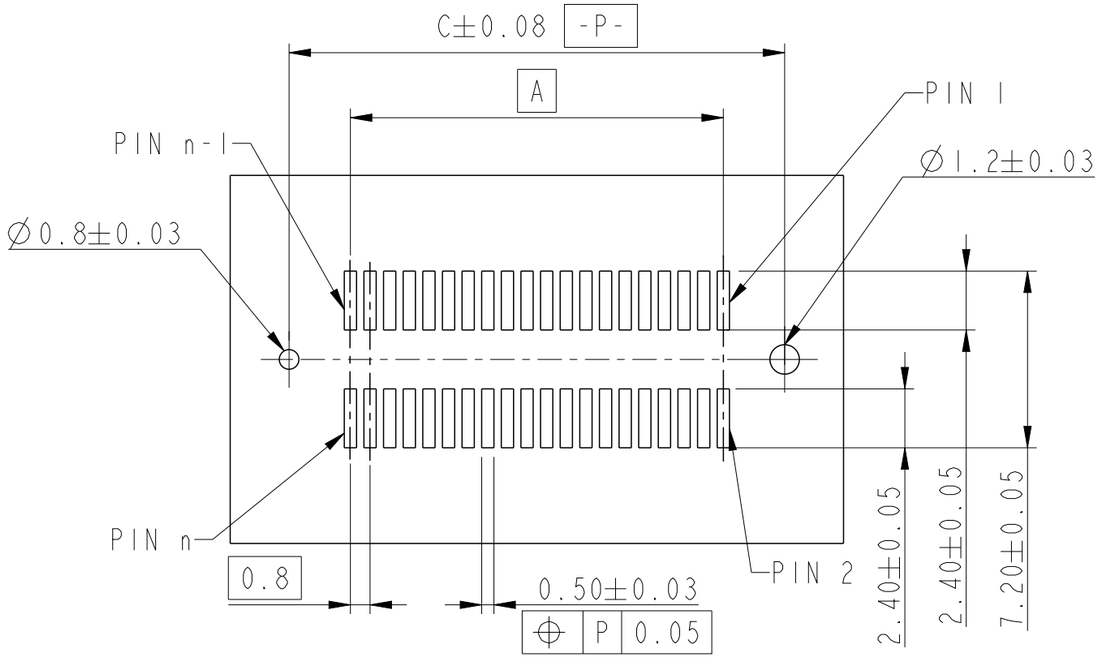
RECEPTACLE 2 & 3 & 4



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	Jim Meng	2015/03/25			ecn no	ELX-N-20397-1
chr	-	-				
appr	Tim Yao	2015/04/02	product family	-	rel level	Released

FCI	title: BERGSTAK 0.8MM RECEPTACLE ASS'Y	dwg no 61082	rev AD
www.fci.com	cat. no. -	Product - Customer Drw	sheet 7 of 7

Copyright FCI.