

61082-AA B C D E G V 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				

V	MANDATORY CODE
/	STANDARD, NOT MANDATORY P/N
V	ONLY FOR DEDICATED CUSTOMER

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)
Q	T&R WITHOUT CAP

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 (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um 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 (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
7	GOLD 0.76um MIN /PURE TIN 2um MIN(LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF

NOTE:

- MATERIAL:
HOUSING: G.F. LCP, NATURAL, UL94-V0
TERMINAL: NICKEL 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		2009/06/10		projection		MM		size		A3		scale		3:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Bob Gu		2017/04/14						ecn no		ELX-N-26378-1									
ISO 406						chr		-		-																	
ISO 1101						appr		Tim Yao		2017/04/14												product family		-		rel level	
surface				linear		0.X		±0.20		Amphenol FCI		title		BERGSTAK 0.8MM		dwg no		61082		rev		AC					
																								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									

A

B

C

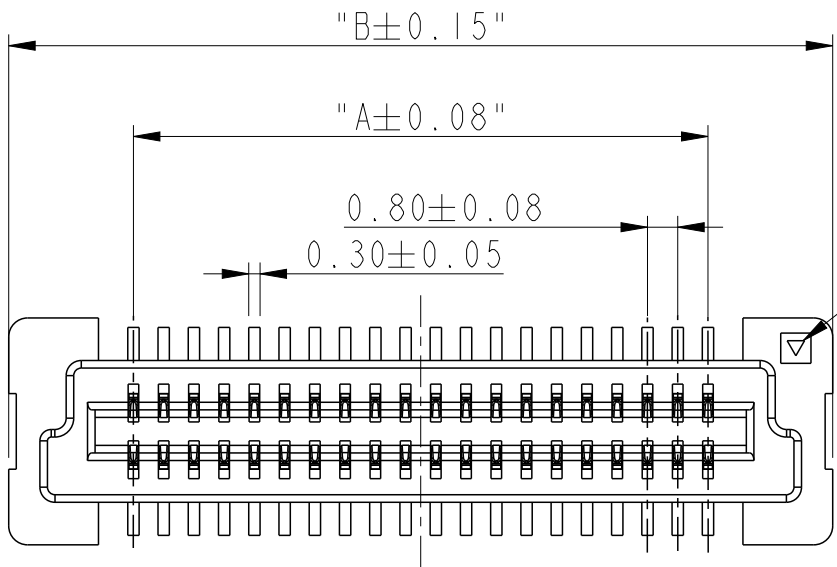
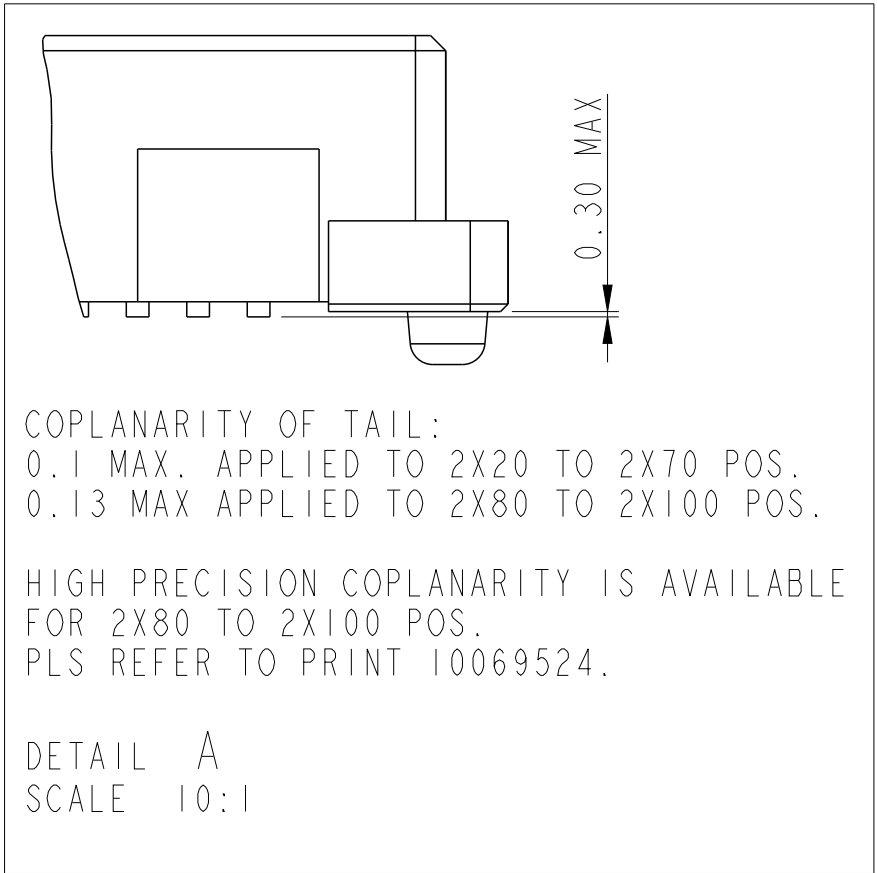
D

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

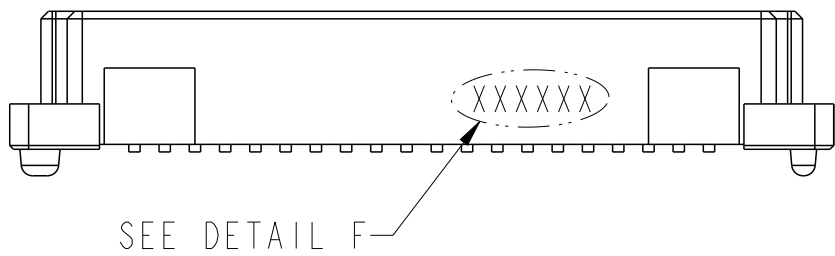
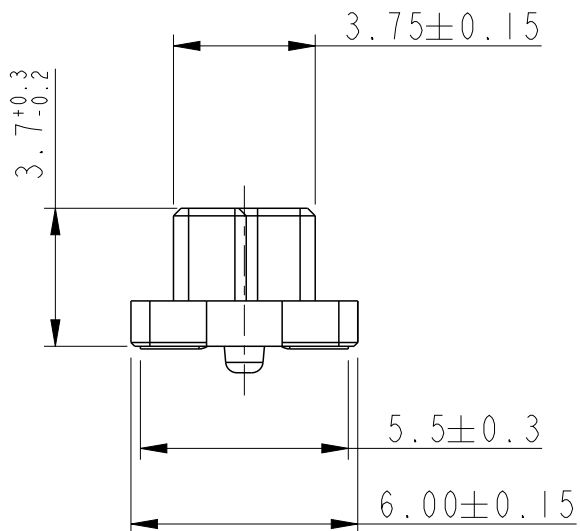
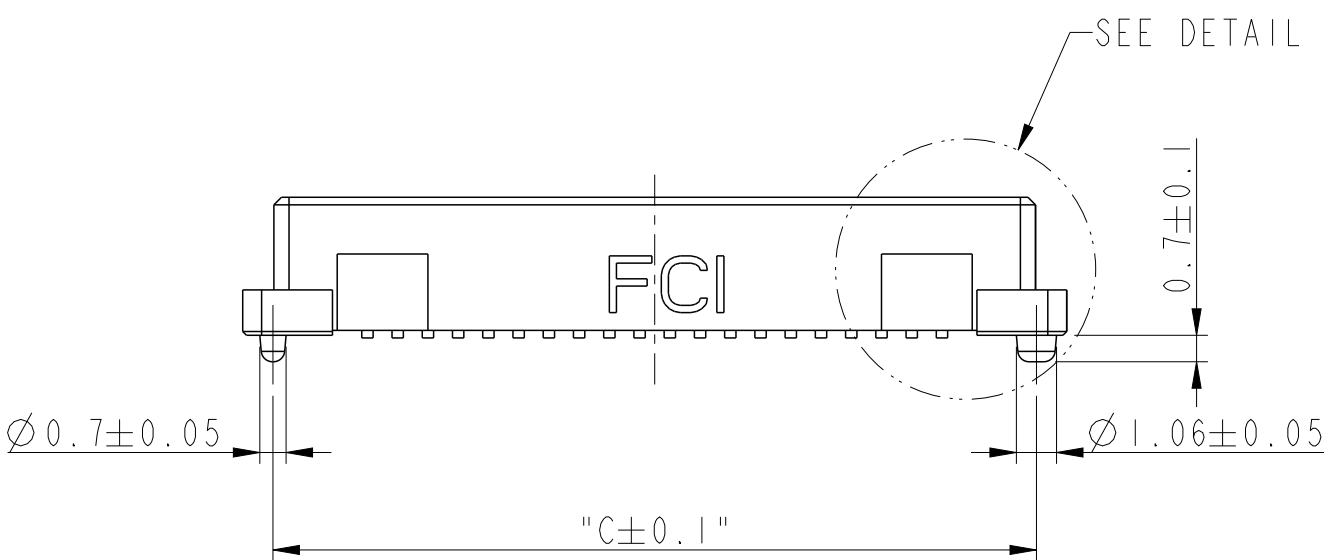
DATE CODE: XXXXXX

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

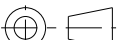
DETAIL F



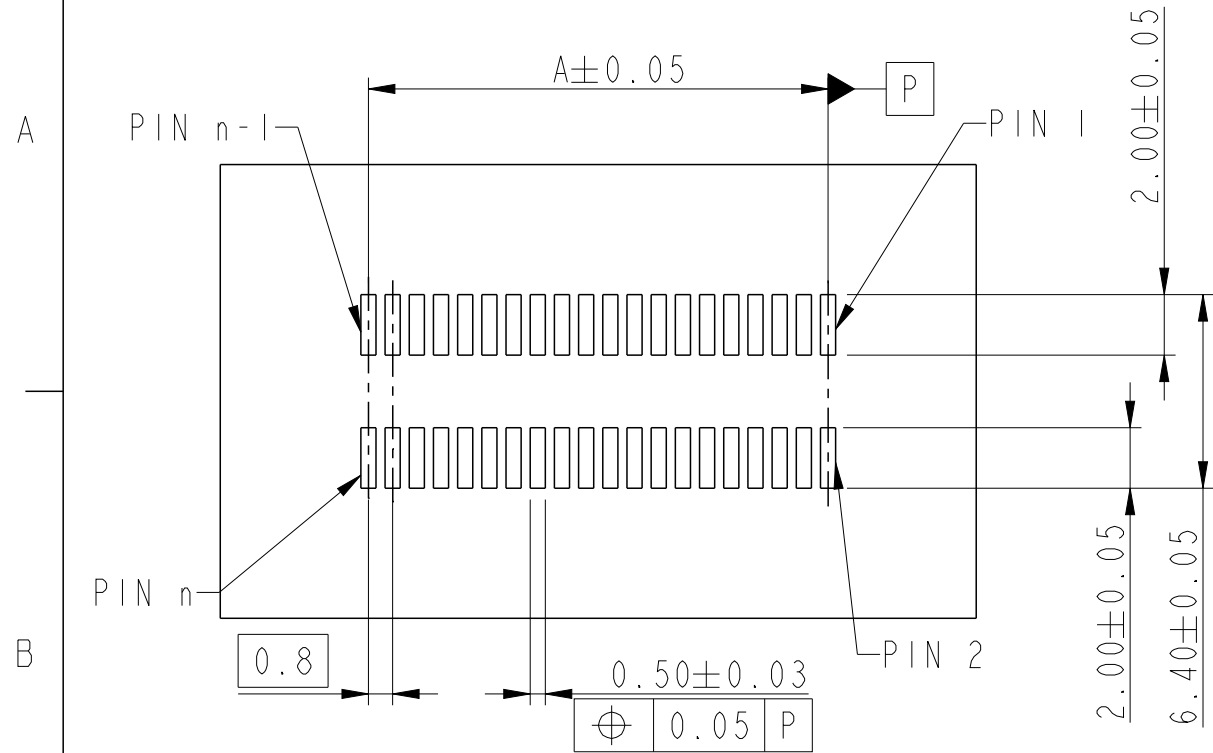
POSITION #1
INDICATOR



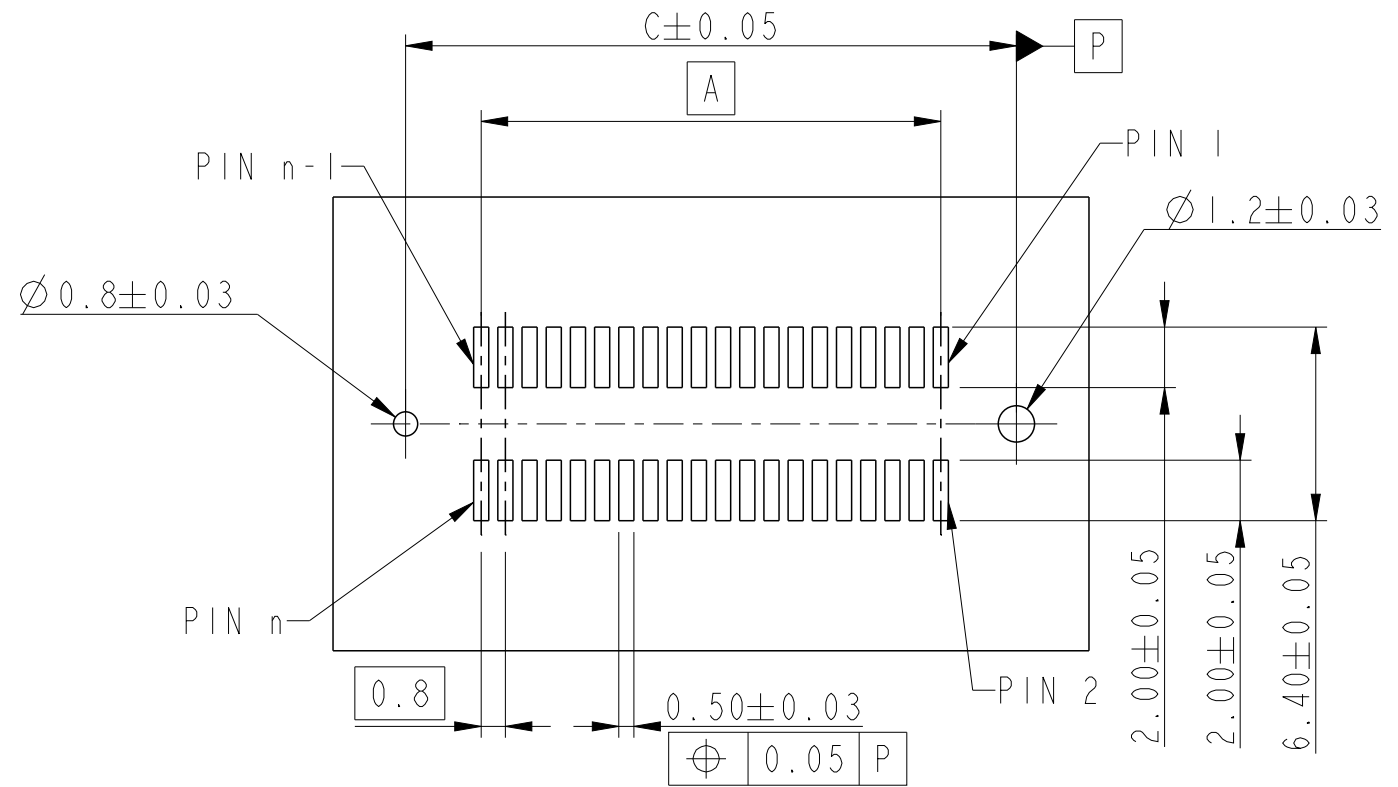
RECEPTACLE 1

dr	Matthew Cheong	2009/06/10	projection 	MM 	size	A3	scale	3:1	
eng	Bob Gu	2017/04/14			ecn no	ELX-N-26378-1			
chr	-	-			rel level	Released			
appr	Tim Yao	2017/04/14	product family		-				
Amphenol FCI		title	BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082		rev
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 2 of 7		

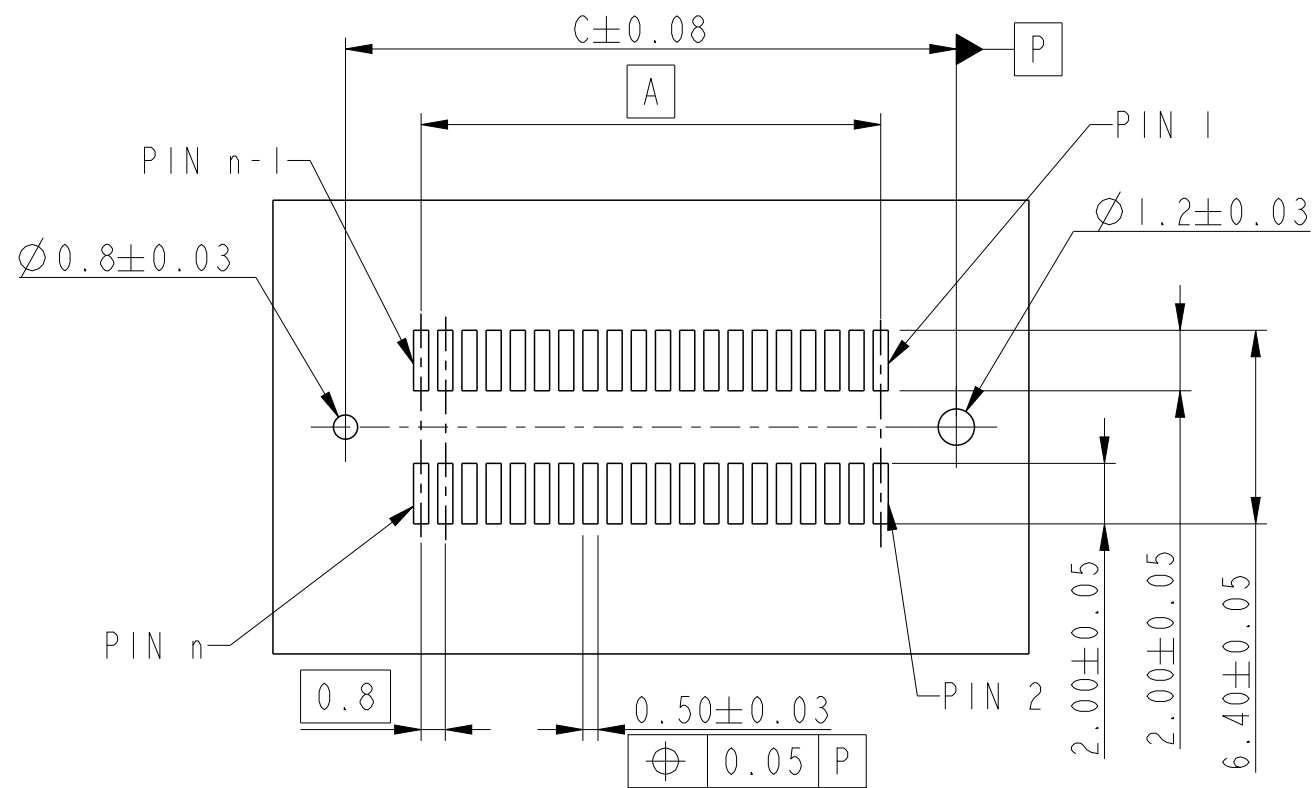
RECEPTACLE 1



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

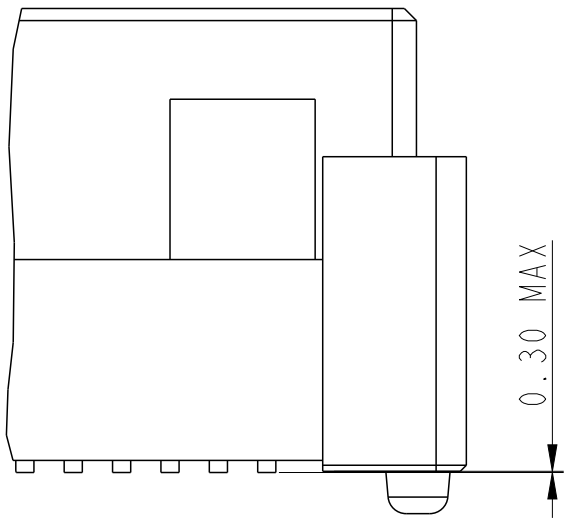
dr	Matthew Cheong	2009/06/10	projection	MM	size	A3	scale	3:1
eng	Bob Gu	2017/04/14			ecn no	ELX-N-26378-1		
chr	-	-			rel level	Released		
appr	Tim Yao	2017/04/14	product family		-			
Amphenol FCI		title			BERGSTAK 0.8MM			rev
					RECEPTACLE ASS'Y			
					dwg no			
					61082			AG
www.fci.com		cat. 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)

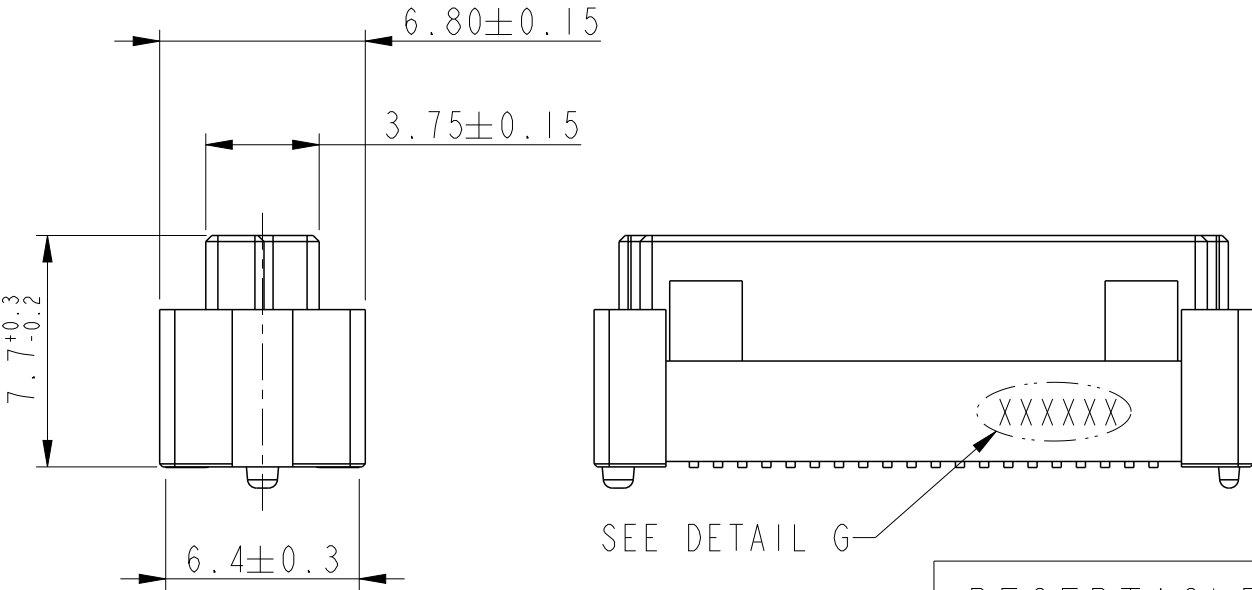
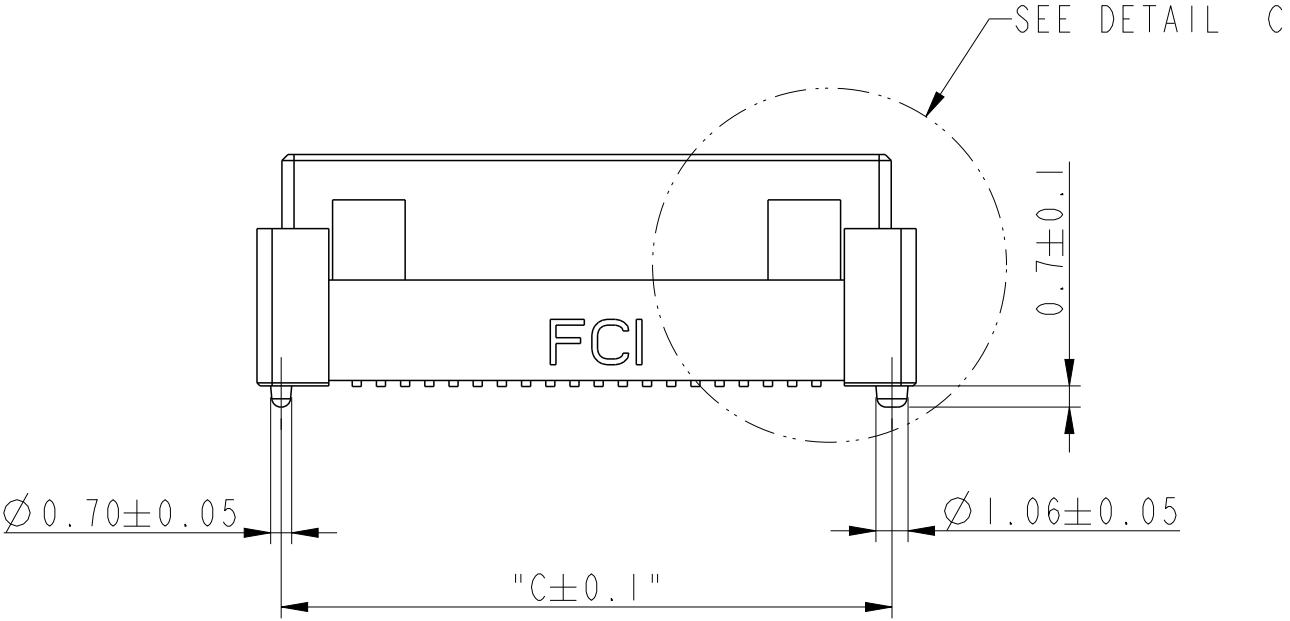
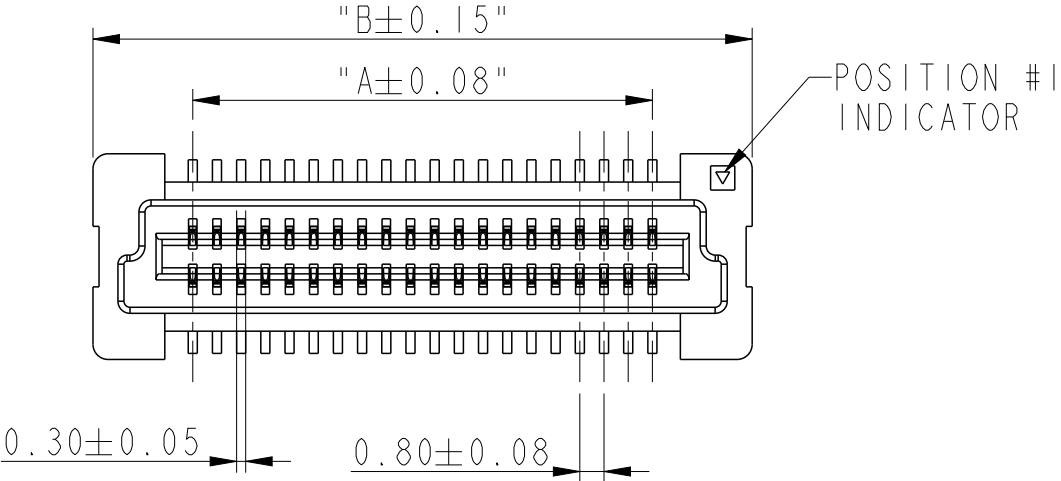
DETAIL G



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.

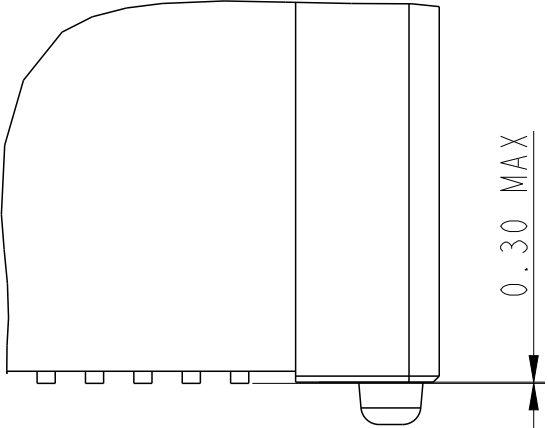
DETAIL C
SCALE 8:1



dr	Matthew Cheong	2009/06/10	projection	MM	size	A3	scale	3:1		
eng	Bob Gu	2017/04/14			ecn no	ELX-N-26378-1				
chr	-	-			rel level	Released				
appr	Tim Yao	2017/04/14	product family		-					
Amphenol FCI		title			BERGSTAK 0.8MM			dwg no	61082	rev
		RECEPTACLE ASS'Y						AG		
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 4 of 7	

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

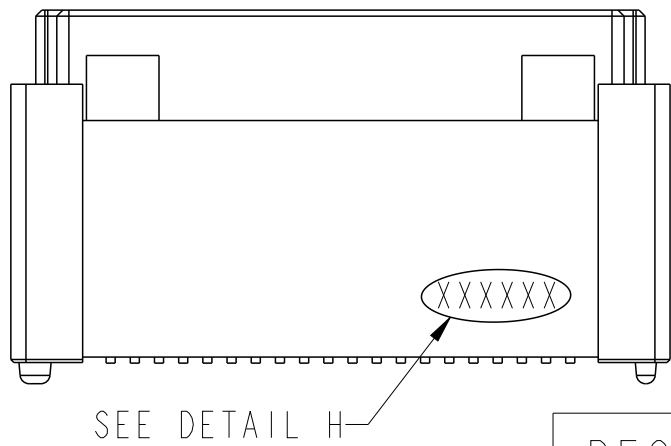
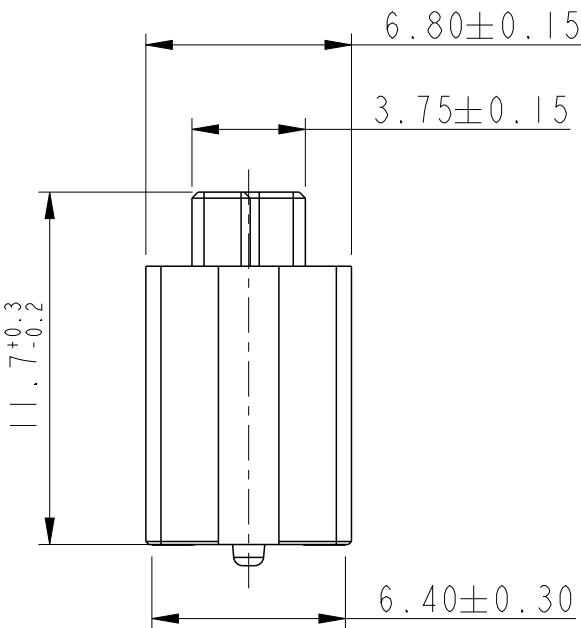
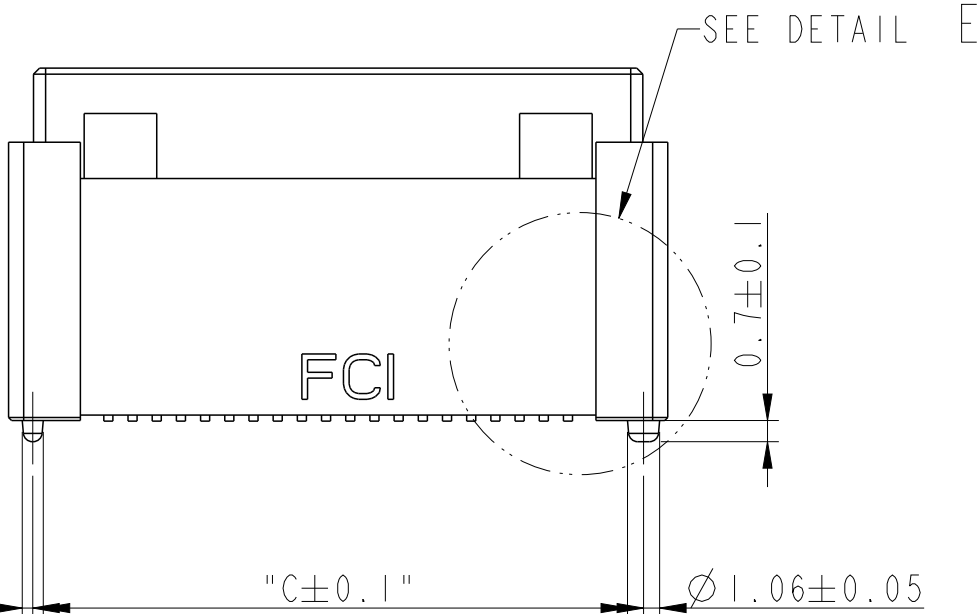
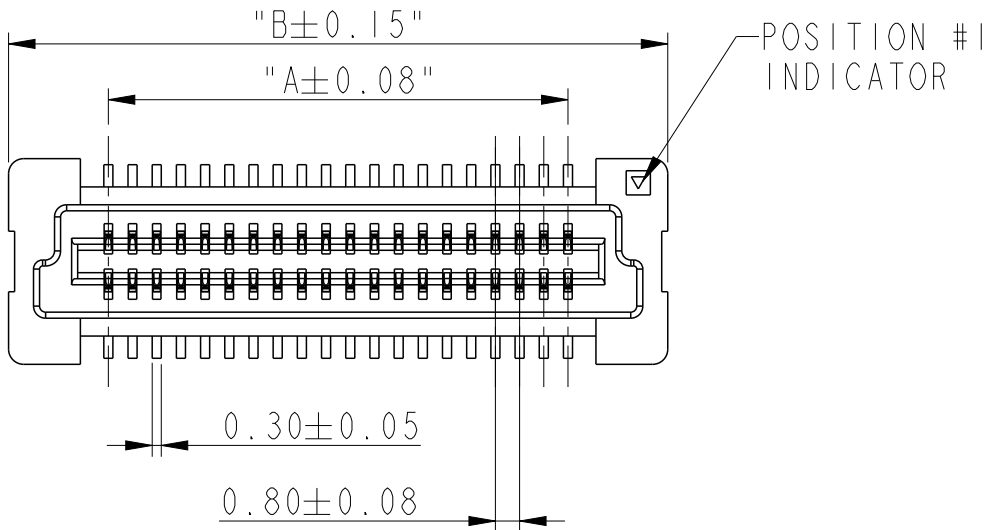


0.30 MAX

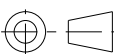
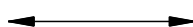
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

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

DETAIL E
SCALE 8:1



RECEPTACLE 3

dr	Matthew Cheong	2009/06/10	projection 	MM 	size	A3	scale	3:1			
eng	Bob Gu	2017/04/14			ecn no	ELX-N-26378-1					
chr	-	-			rel level	Released					
appr	Tim Yao	2017/04/14	product family		-						
Amphenol FCI		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082	rev	AG
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 5 of 7		

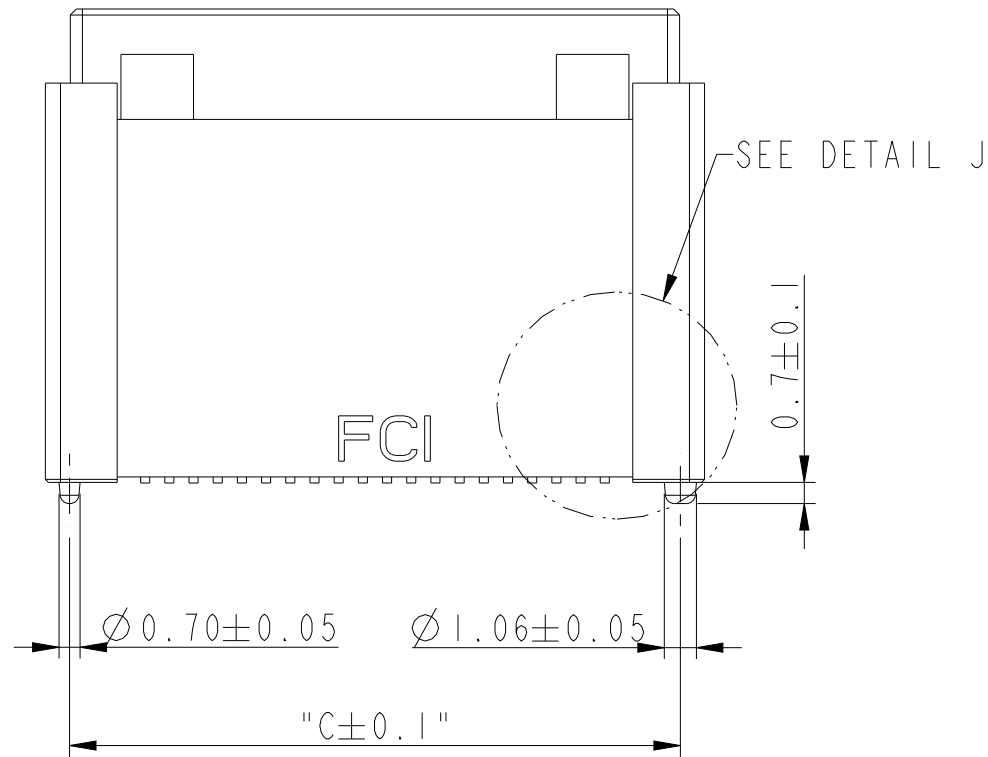
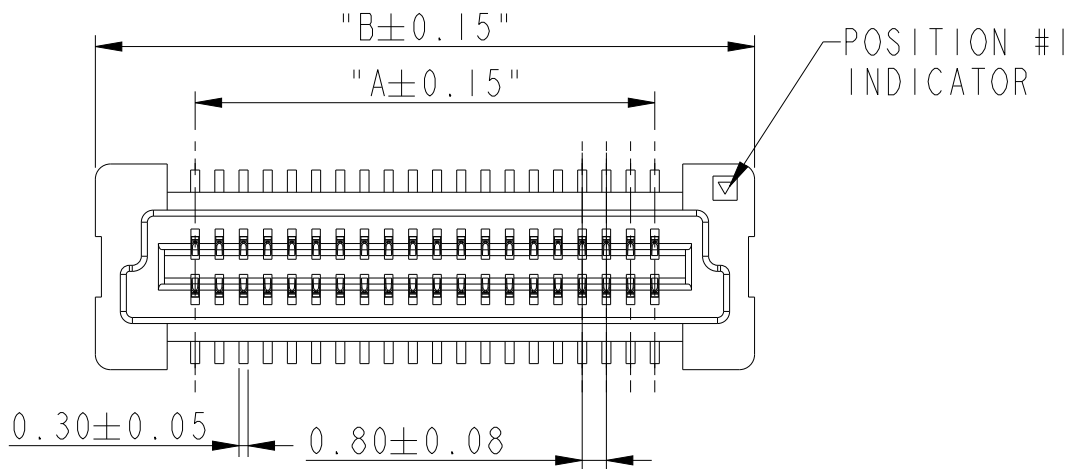
A

B

C

D

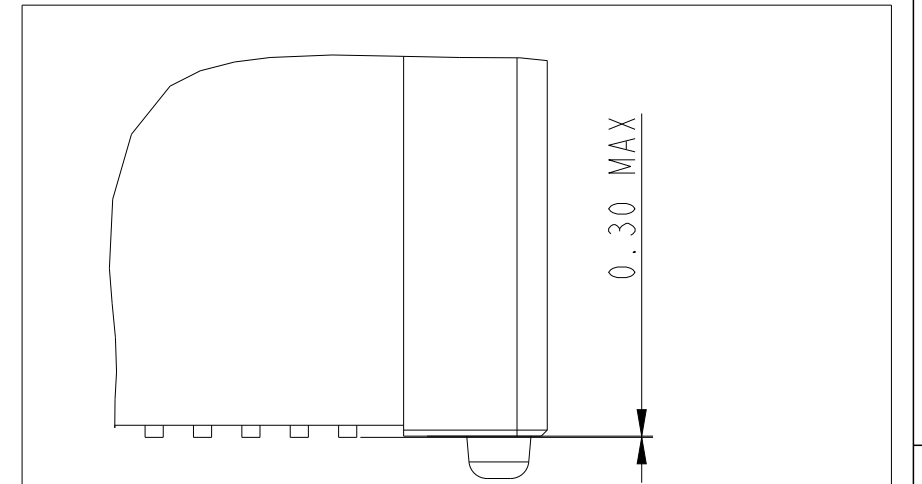
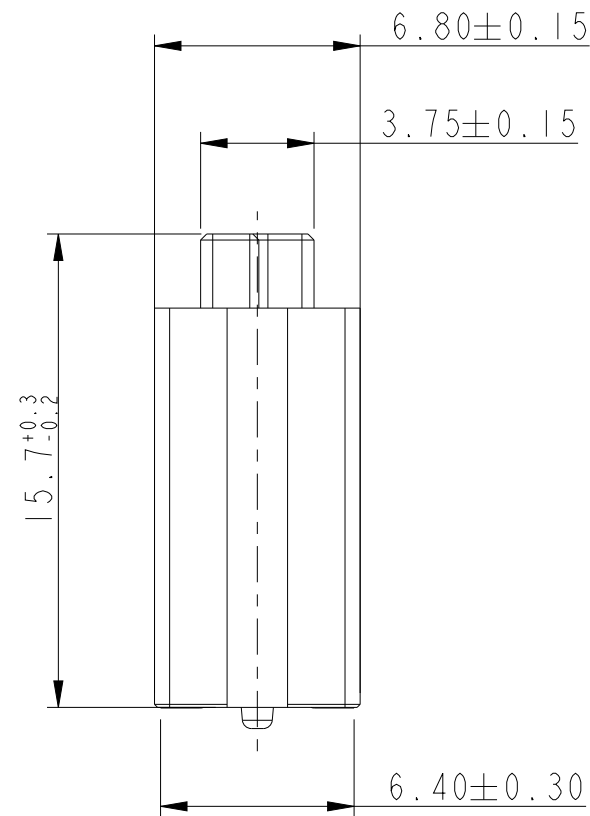
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-024***	2X10	7.2	13.8	12.2
61082-044***	2X20	15.2	21.8	20.2
61082-064***	2X30	23.2	29.8	28.2
61082-084***	2X40	31.2	37.8	36.2
61082-104***	2X50	39.2	45.8	44.2
61082-124***	2X60	47.2	53.8	52.2
61082-144***	2X70	55.2	61.8	60.2
61082-164***	2X80	63.2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

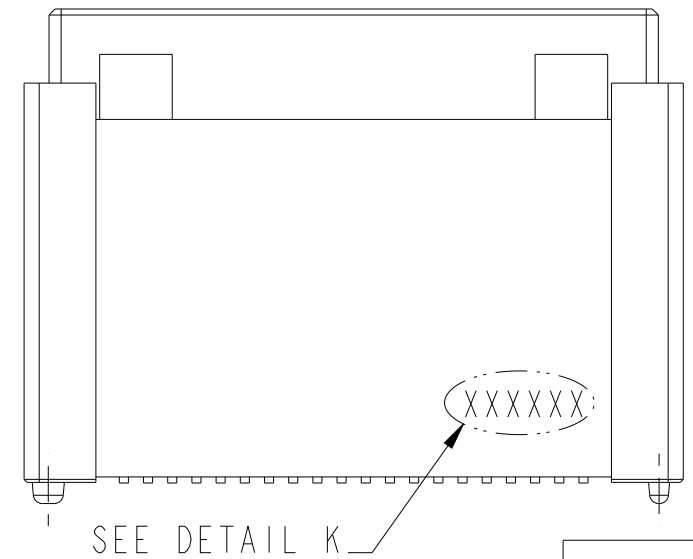
DETAIL K



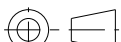
COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

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

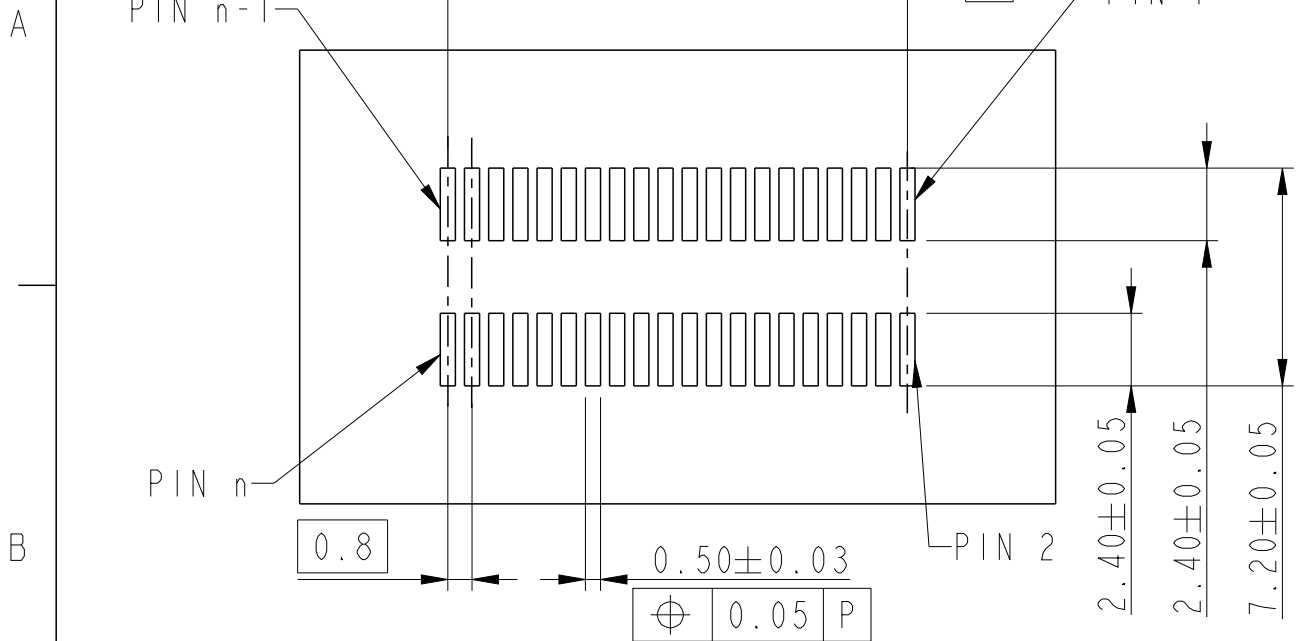
DETAIL J
SCALE 8:1



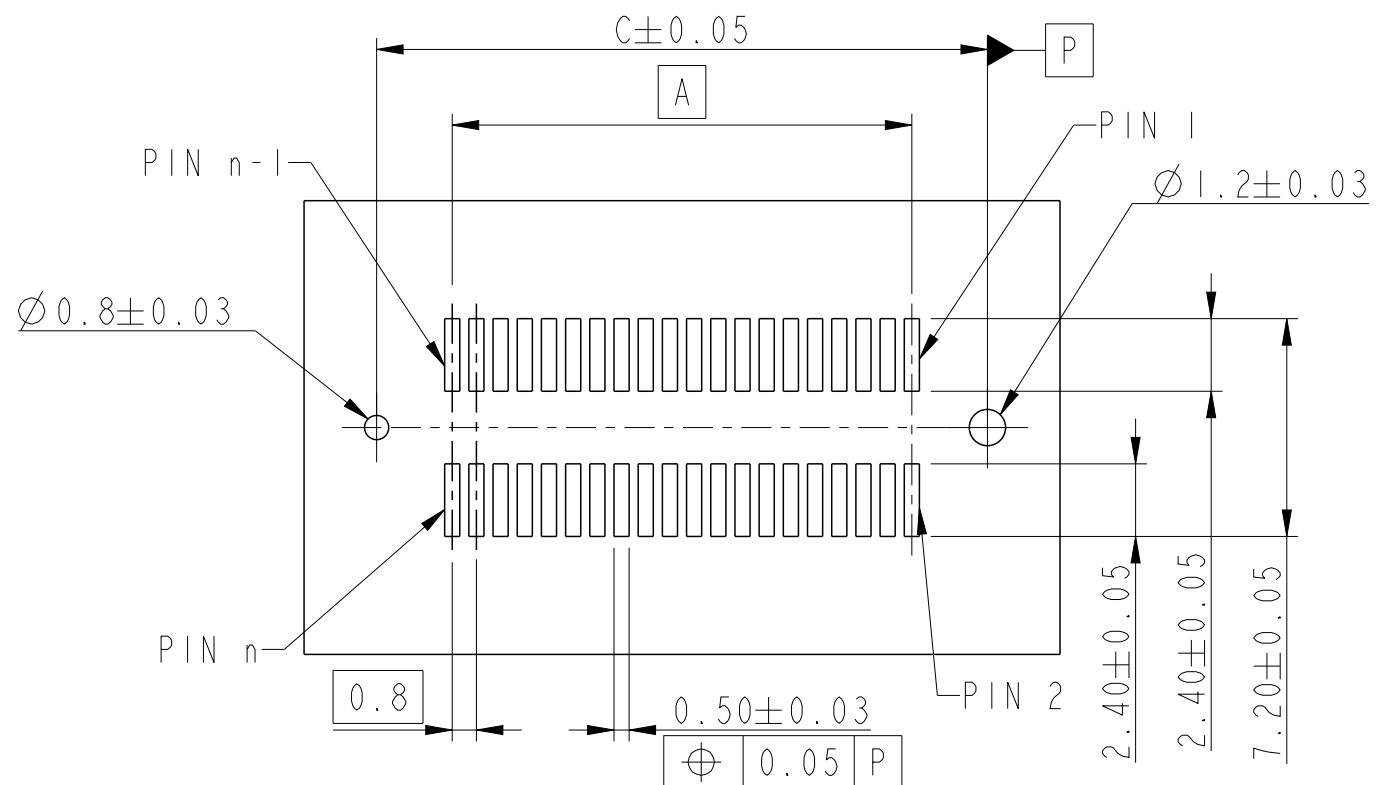
RECEPTACLE 4

dr	Matthew Cheong	2009/06/10	projection 	MM 	size	A3	scale	3:1			
eng	Bob Gu	2017/04/14			ecn no	ELX-N-26378-1					
chr	-	-				rel level		Released			
appr	Tim Yao	2017/04/14	product family		-						
Amphenol FCI		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082	rev	AG
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 6 of 7		

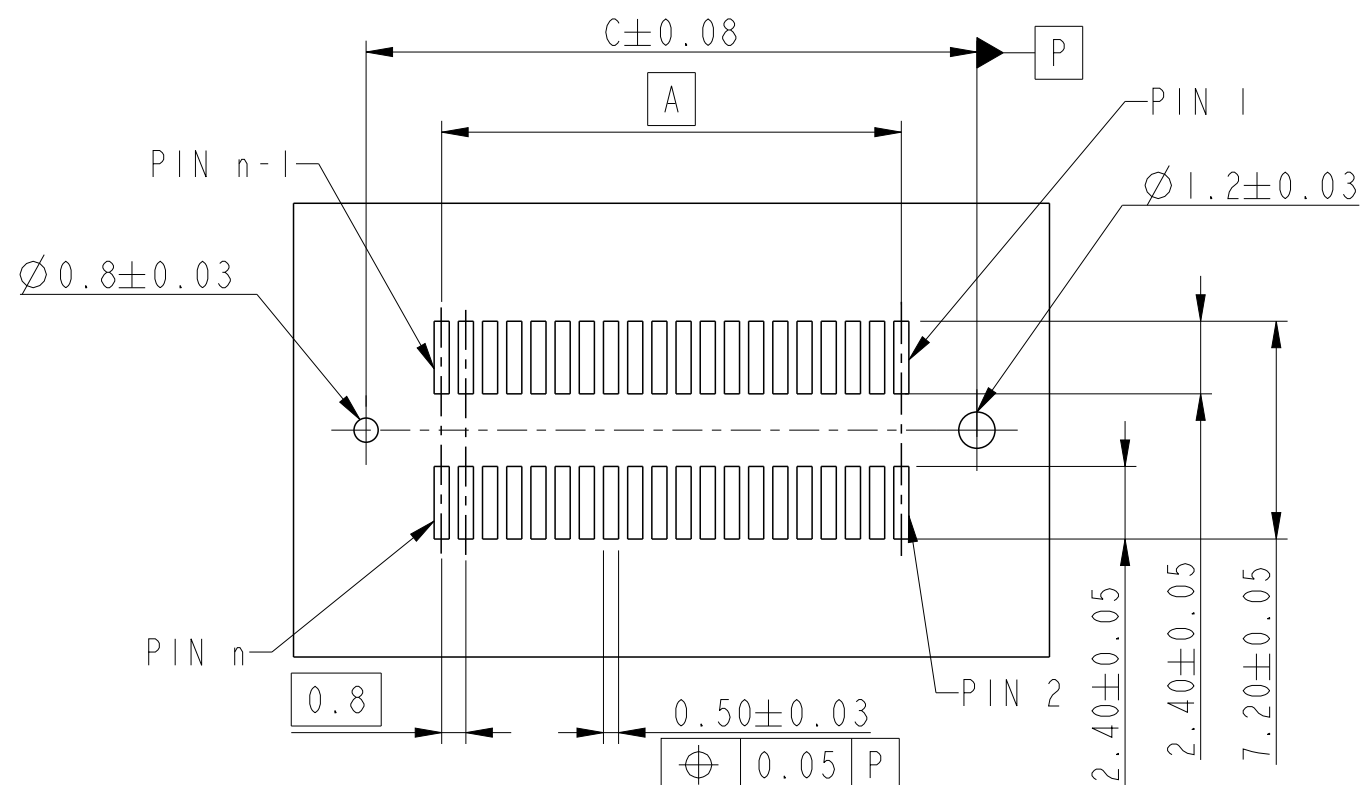
RECEPTACLE 2 & 3 & 4



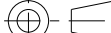
RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



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	2009/06/10	projection  MM 	size	A3	scale	3:1				
eng	Bob Gu	2017/04/14		ecn no	ELX-N-26378-1						
chr	-	-		rel level	Released						
appr	Tim Yao	2017/04/14	product family		-						
Amphenol FCI		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y		dwg no		61082	rev	AG
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 7 of 7		

Mouser Electronics

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[61082-043109](#) [61082-061009](#) [61082-061100](#) [61082-061102](#) [61082-061120](#) [61082-061122](#) [61082-061129](#) [61082-](#)
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