

61082-AA B C D E W 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				

POLARIZATION PEG		D
YES		0
NO		2

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

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

W	TRANSPORT CODE
/	NOT MANDATORY
W	FOR OCEAN SHIPPING

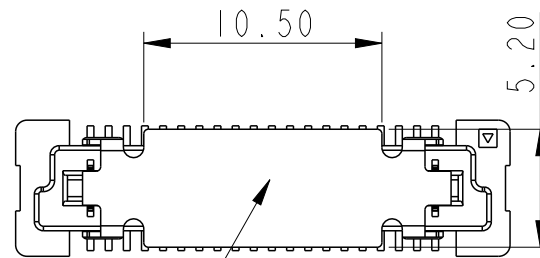
E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP
6	T&R WITHOUT METAL CAP (WITH KAPTON TAPE)
Q	T&R WITHOUT CAP

NOTE 10
NOTE 10

C	PLATING ON CONTACT AREA/ SOLDER TAIL	FF
0	GOLD 0.2um MIN / TIN LEAD	NONE
1	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN / TIN LEAD	NONE
4	GOLD 0.2um MIN / PURE TIN 2um MIN (LEAD FREE)	LF
5	GOLD 0.38um MIN / PURE TIN 2um MIN (LEAD FREE)	LF
6	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN / PURE TIN 2um MIN (LEAD FREE)	LF
7	GOLD 0.76um MIN /PURE TIN 2um MIN(LEAD FREE)	LF
B	GOLD 1.27um MIN /GOLD 0.05~0.25um(LEAD FREE)	
C	GOLD 1.27um MIN /PURE TIN 2um MIN(LEAD FREE)	

NOTE:

- MATERIAL:
HOUSING: G.F. LCP, NATURAL, UL94-V0
TERMINAL: NICKEL COPPER
- PLATING: AS SHOWN IN TABLE. NICKEL UNDERPLATE OVERALL 1.27um MIN.
- 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.



METAL CAP

spec ref				dr		Cheong, Matthe	2009/06/10		projection				size		A3		scale		3:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Bob Gu		2020/03/04				ecn no		ELX-M-36184-1					
ISO 406						chr		-		-											
ISO 1101						appr		Tim Yao		2020/03/04										product family	
						linear		0.X		±0.20		Amphenol FCI		title		BERGSTAK 0.8MM		dwg no		61082	
				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

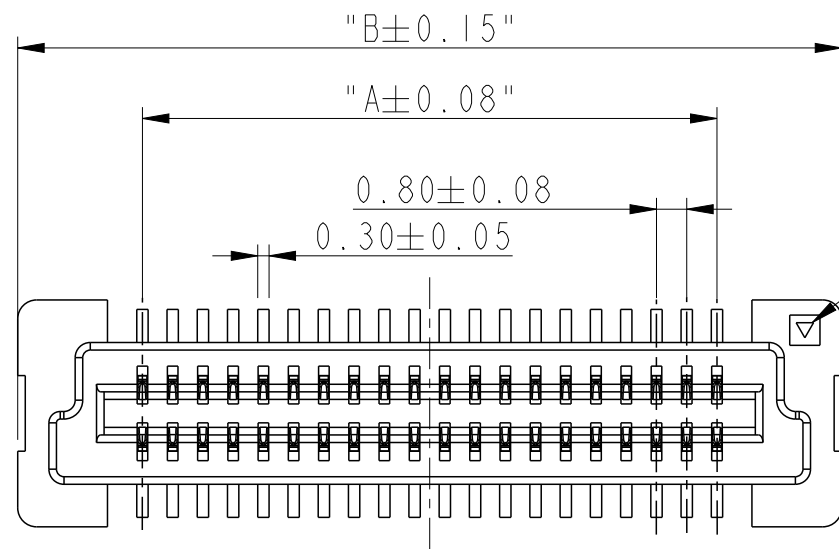
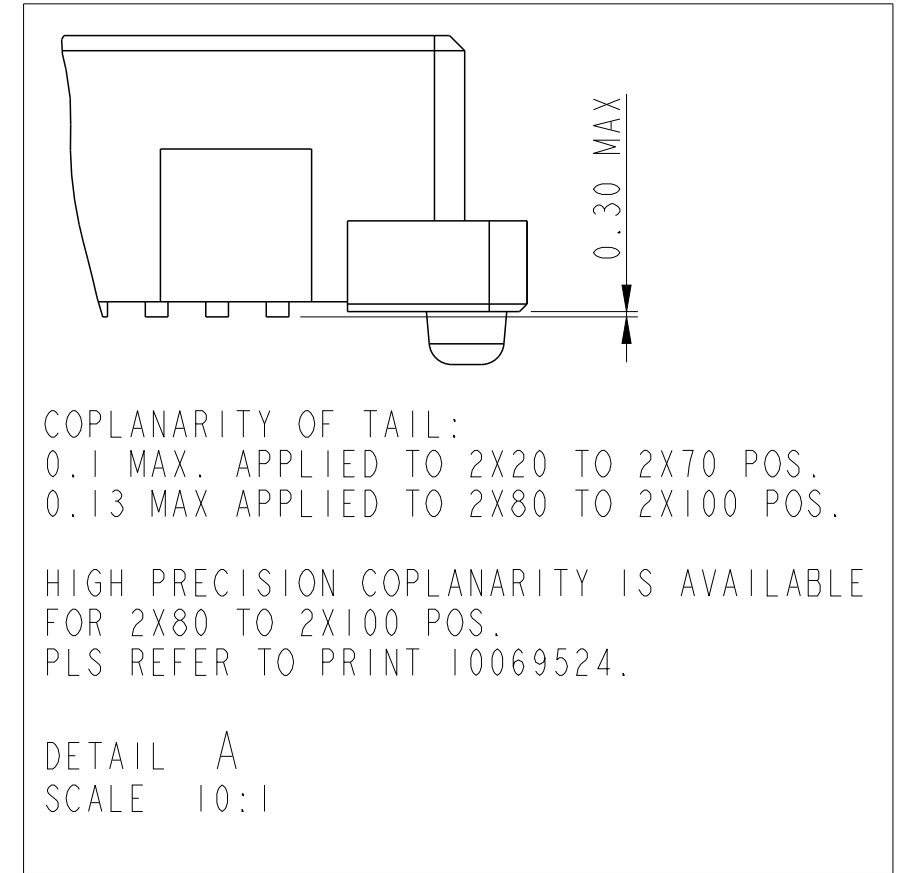
D

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

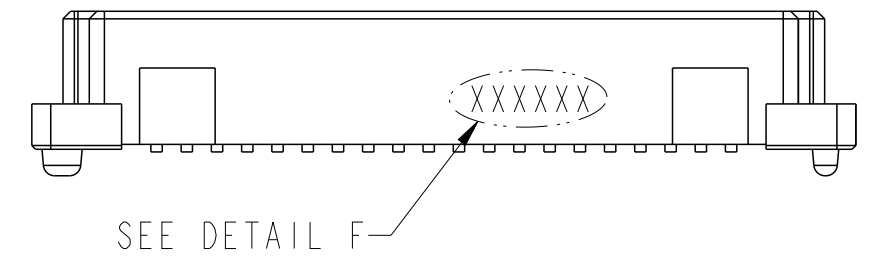
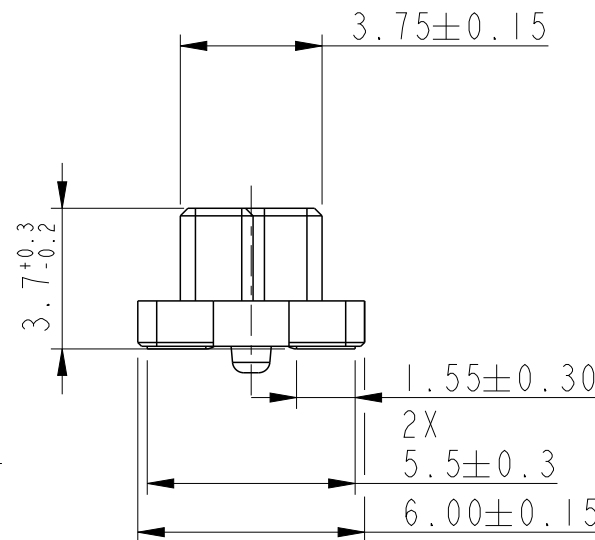
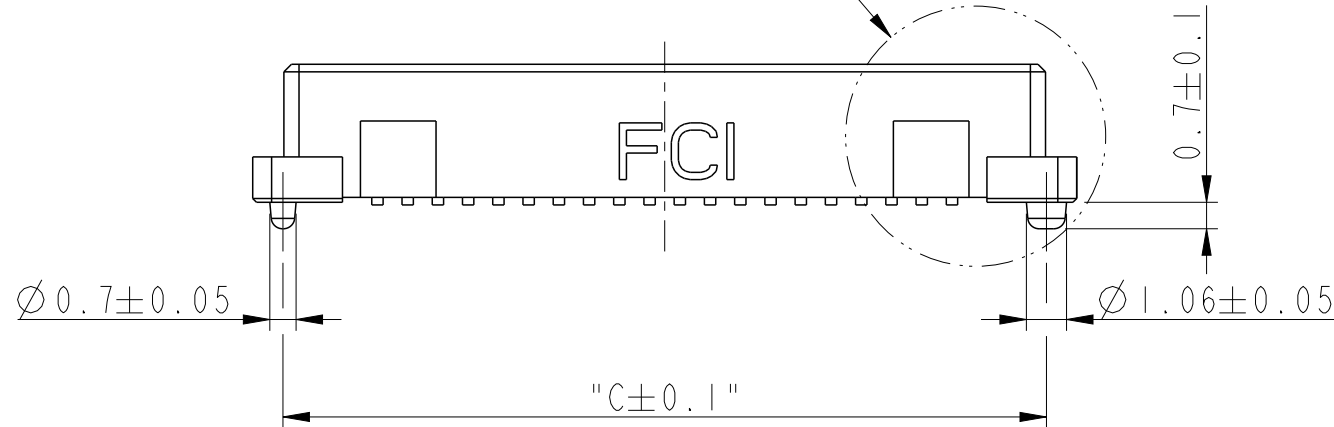
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL F

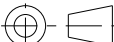


POSITION #1
INDICATOR

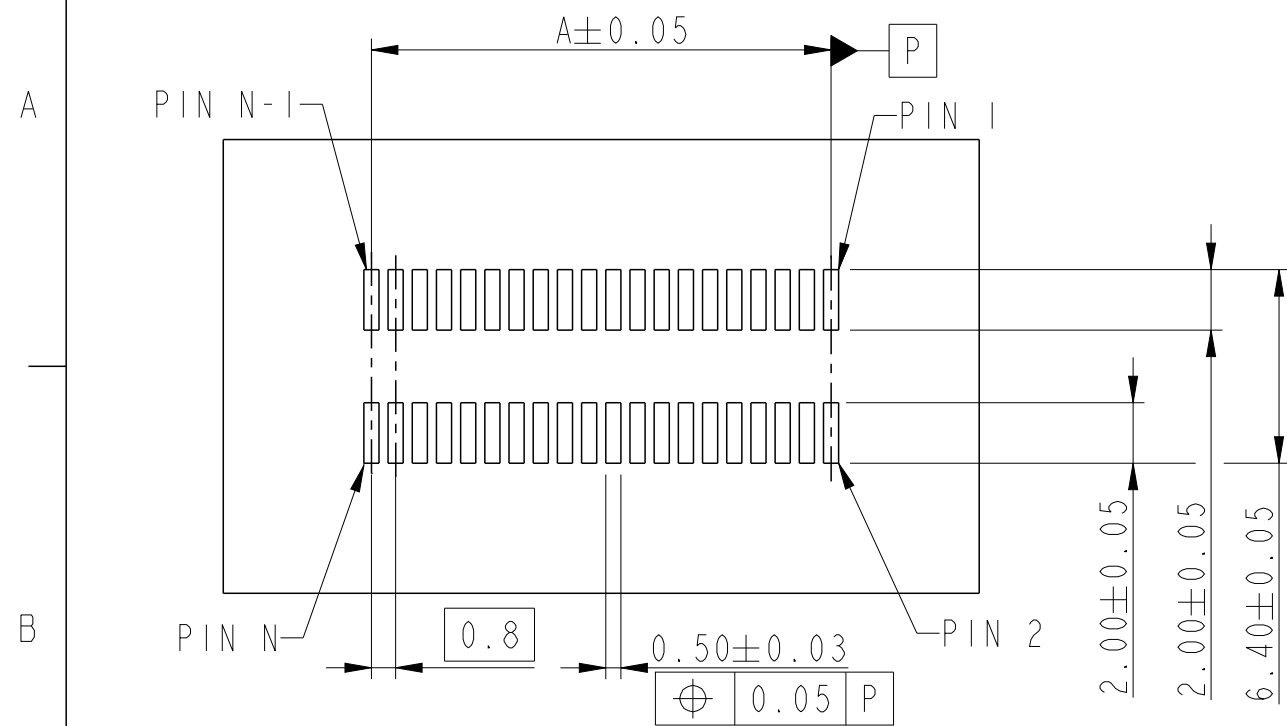
SEE DETAIL A



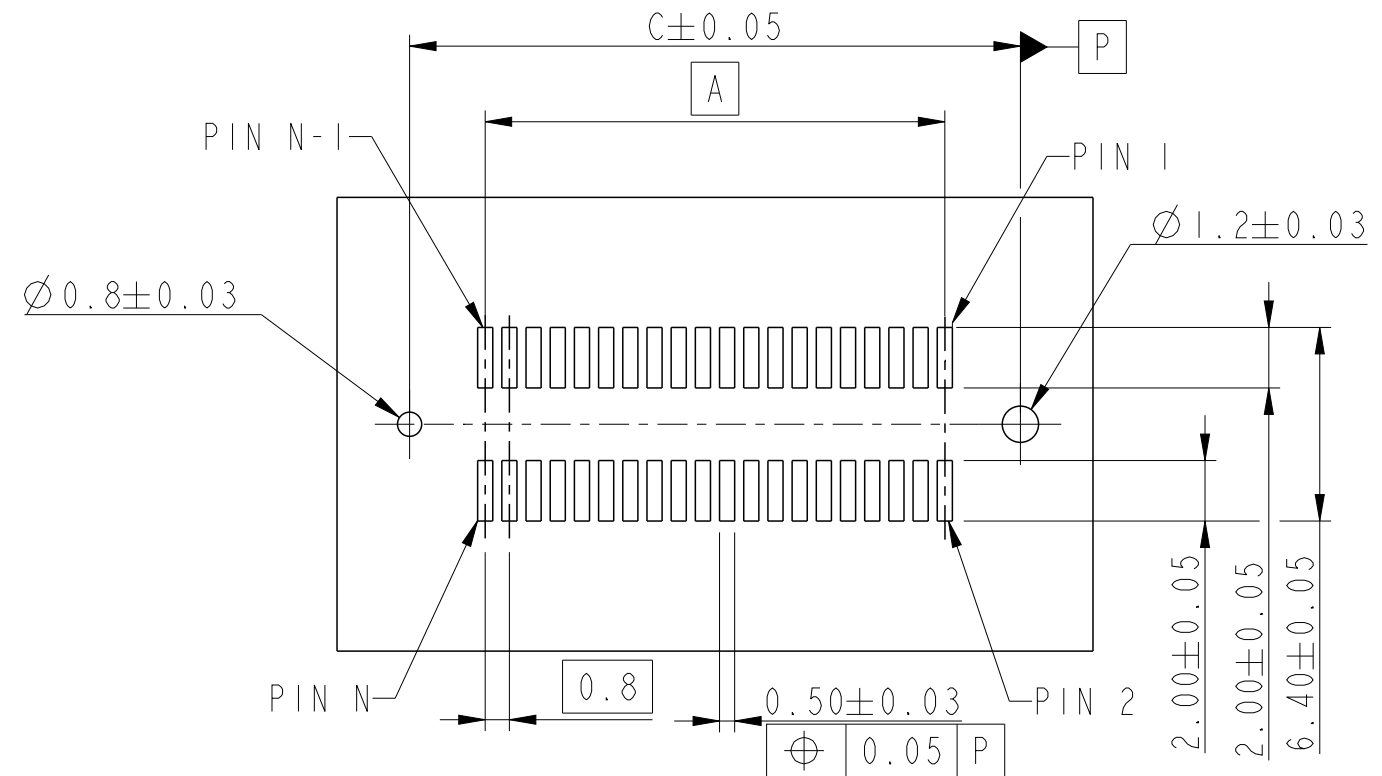
RECEPTACLE 1

dr	Cheong, Matthe	2009/06/10	projection 	MM 	size	A3	scale	3:1
eng	Bob Gu	2020/03/04			ecn no	ELX-M-36184-1		
chr	-	-			rel level	Released		
appr	Tim Yao	2020/03/04	product family			-		
Amphenol FCI	title	BERGSTAK 0.8MM			dwg no	61082		rev
		RECEPTACLE ASS'Y				AN		
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 7	

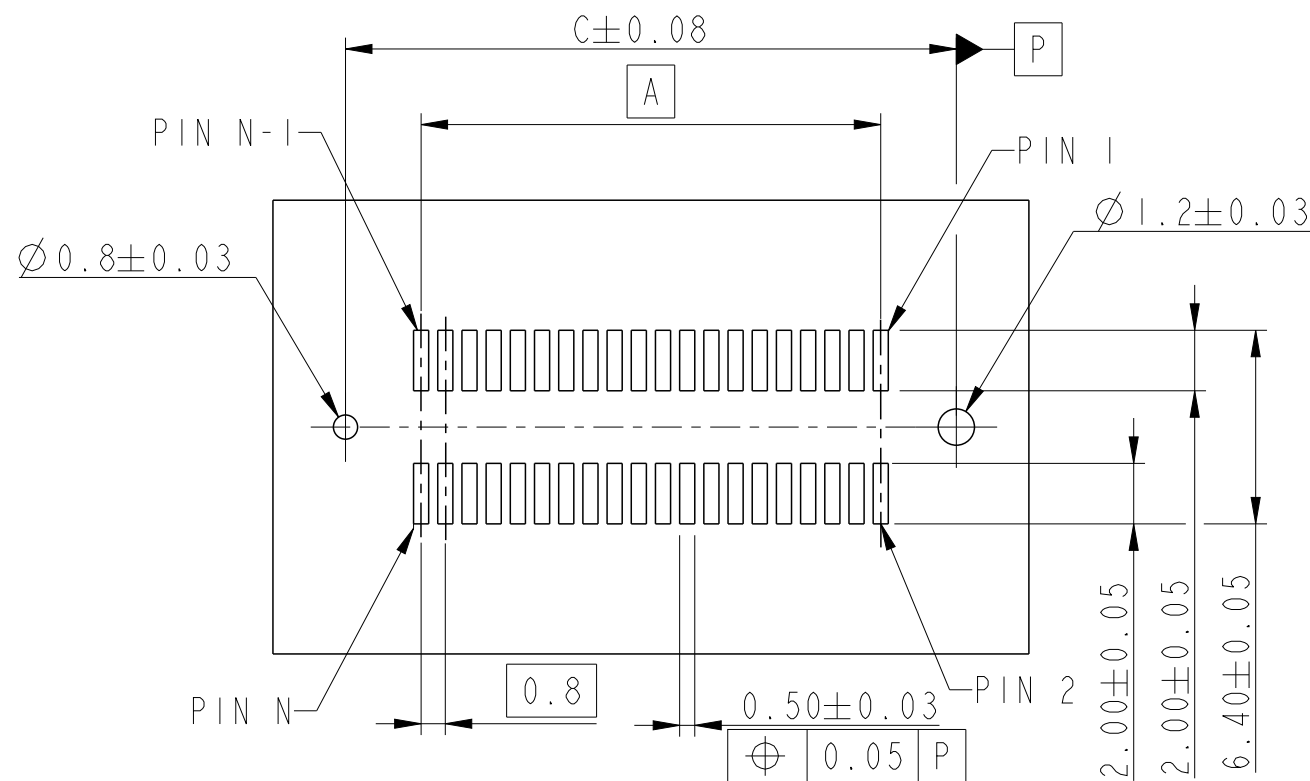
RECEPTACLE 1



RECOMMENDED PCB LAYOUT WITHOUT PEGS



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	Cheong, Matthe	2009/06/10	projection	MM	size	A3	scale	3:1			
eng	Bob Gu	2020/03/04			ecn no	ELX-M-36184-1					
chr	-	-									
appr	Tim Yao	2020/03/04	product family			-	rel level	Released			
Amphenol FCI		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082	rev	AN
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 3 of 7		

A

B

C

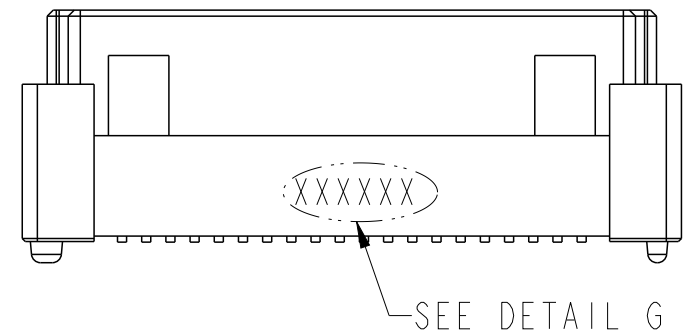
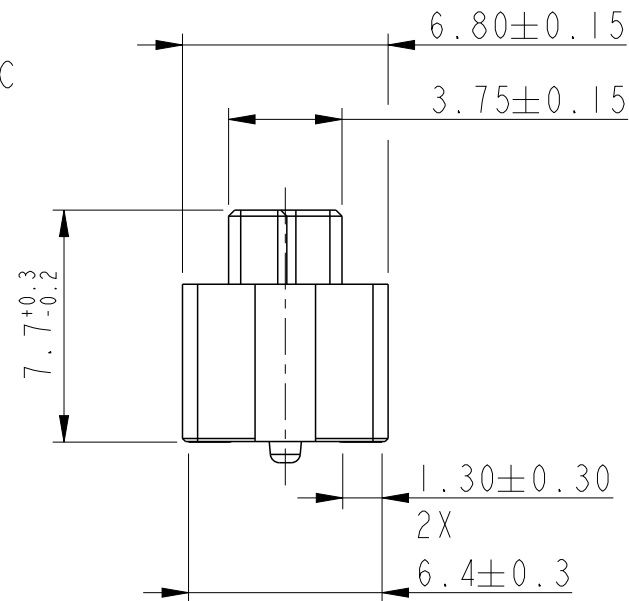
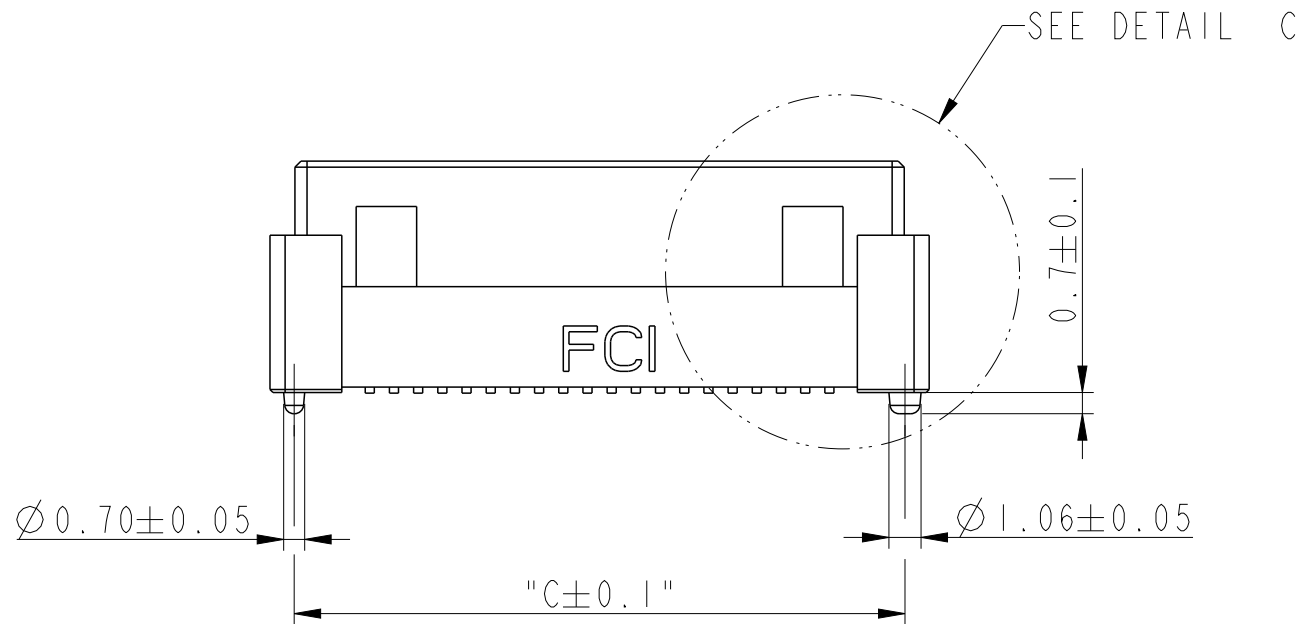
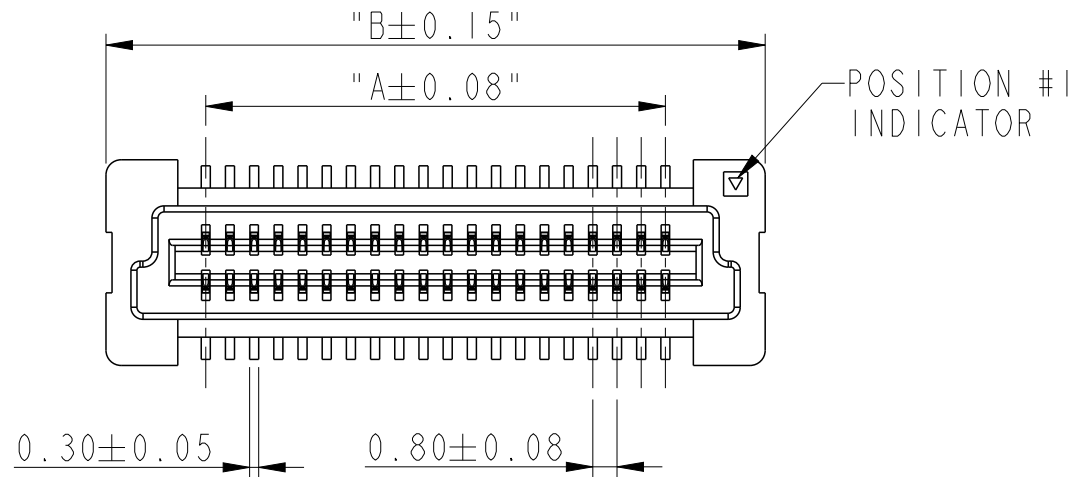
D

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.

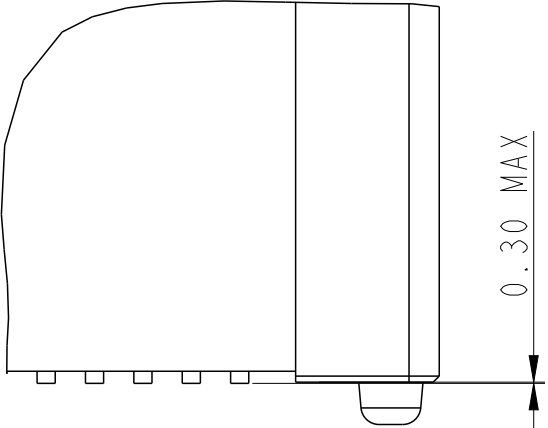
DETAIL C
SCALE 8:1

RECEPTACLE 2

dr	Cheong, Matthe	2009/06/10	projection	MM	size	A3	scale	3:1	
eng	Bob Gu	2020/03/04			ecn no				ELX-M-36184-1
chr	-	-			rel level				Released
appr	Tim Yao	2020/03/04	product family				-		
Amphenol FCI		title			BERGSTAK 0.8MM			dwg no	
		RECEPTACLE ASS'Y			61082			rev	
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

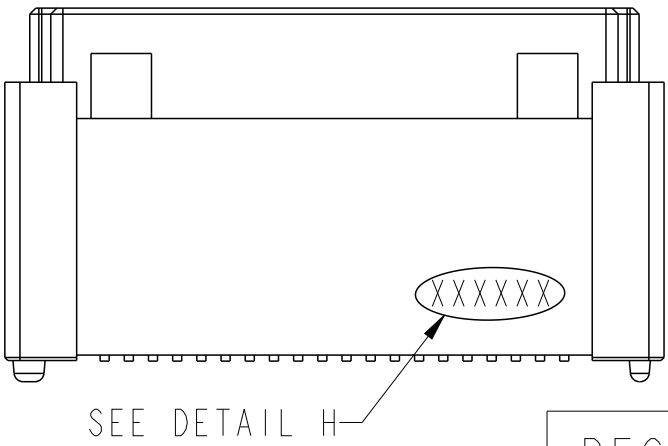
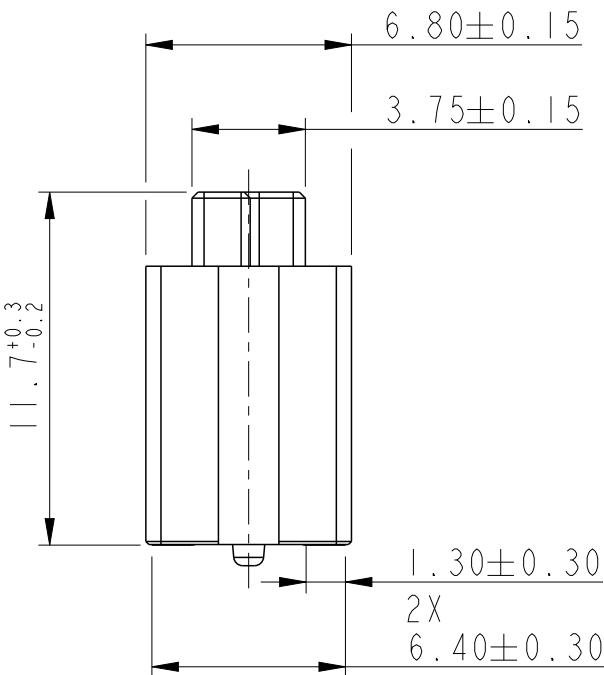
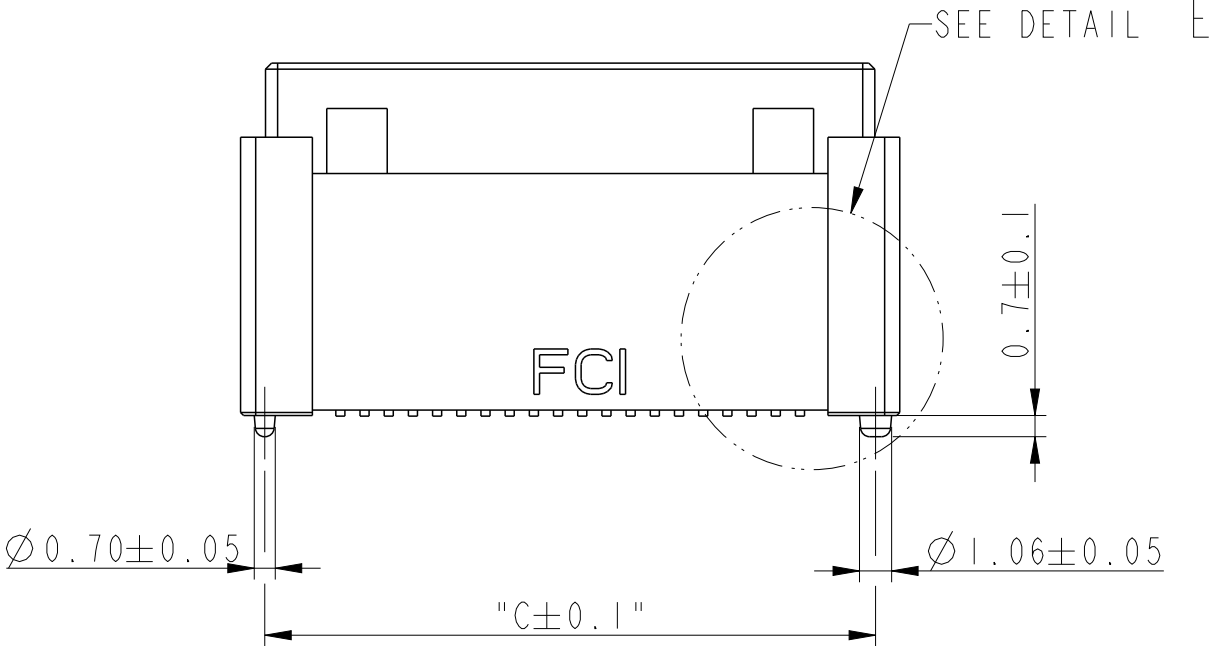
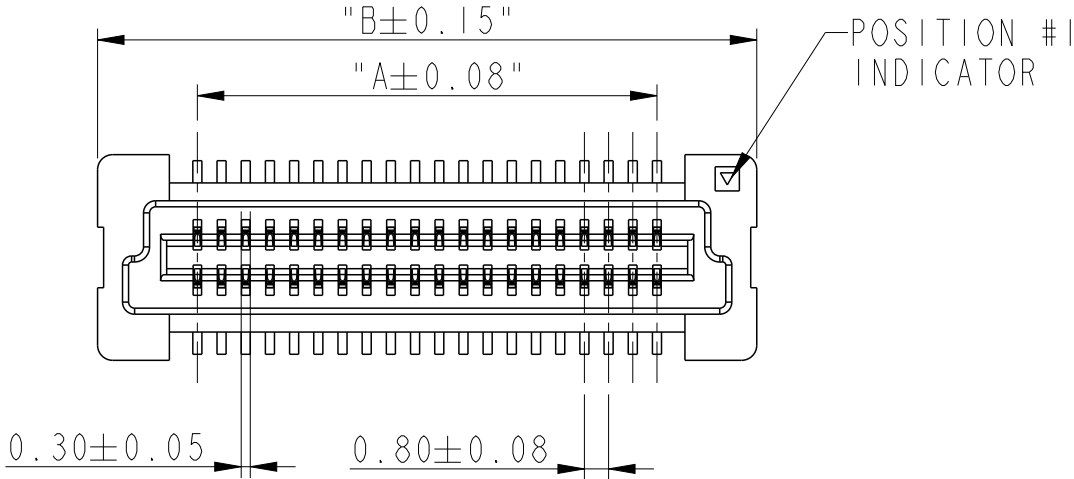
DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)
DETAIL H



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



dr	Cheong, Matthe	2009/06/10	projection	MM	size	A3	scale	3:1		
eng	Bob Gu	2020/03/04			ecn no	ELX-M-36184-1				
chr	-	-			rel level			Released		
appr	Tim Yao	2020/03/04	product family			-				
Amphenol FCI		title			BERGSTAK 0.8MM RECEPTACLE ASS'Y			dwg no	61082	rev
www.fci.com		cat. no.		-	Product - Customer Drw			sheet 5 of 7		AN

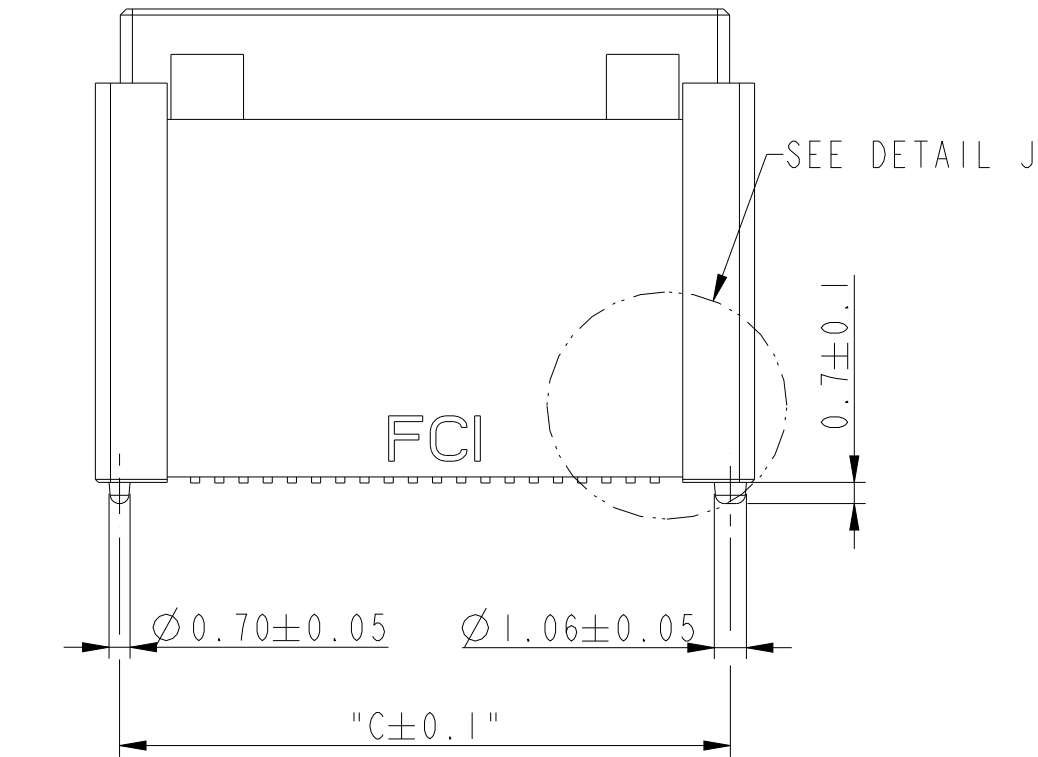
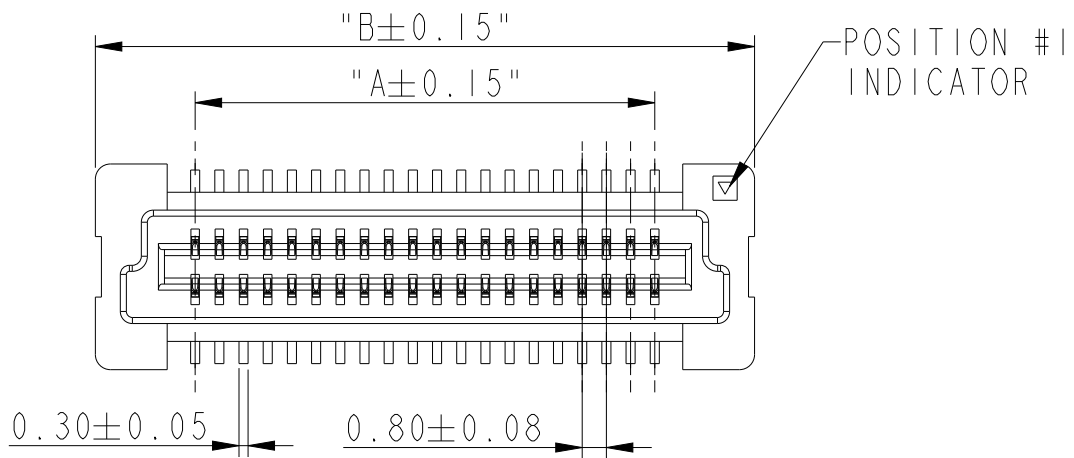
A

B

C

D

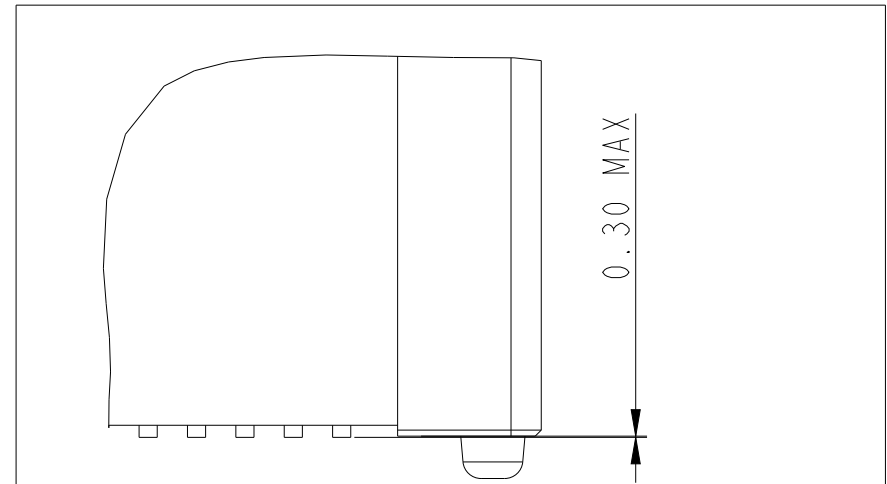
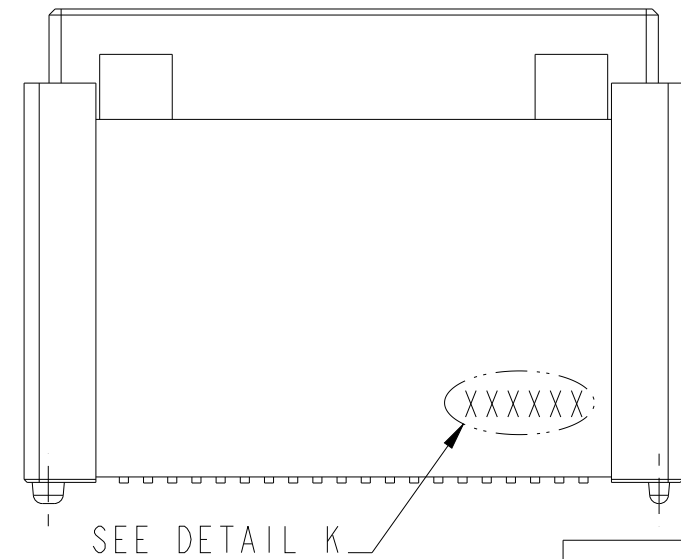
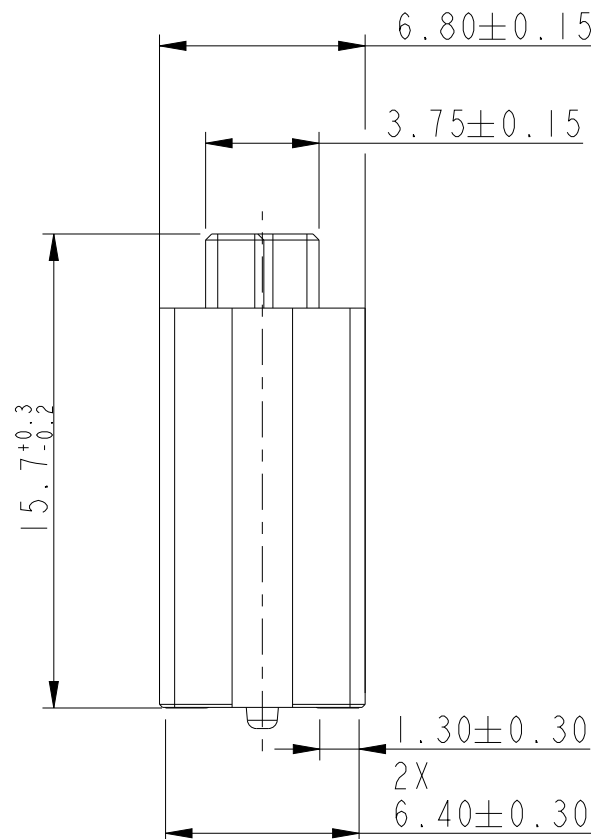
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
61082-024***	2X10	7.2	13.8	12.2
61082-044***	2X20	15.2	21.8	20.2
61082-064***	2X30	23.2	29.8	28.2
61082-084***	2X40	31.2	37.8	36.2
61082-104***	2X50	39.2	45.8	44.2
61082-124***	2X60	47.2	53.8	52.2
61082-144***	2X70	55.2	61.8	60.2
61082-164***	2X80	63.2	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	Cheong, Matthe	2009/06/10	projection	MM	size	A3	scale	3:1			
eng	Bob Gu	2020/03/04			ecn no	ELX-M-36184-1					
chr	-	-			rel level	Released					
appr	Tim Yao	2020/03/04			product family		-				
Amphenol FCI		title			BERGSTAK 0.8MM			dwg no	61082		rev
		title			RECEPTACLE ASS'Y					AN	
www.fci.com		cat. no.		-		Product - Customer Drw				sheet 6 of 7	

RECEPTACLE 2 & 3 & 4



RECOMMENDED PCB LAYOUT WITHOUT PEGS



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X10, 2X20, 2X30, 2X40, 2X50, 2X60



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

D