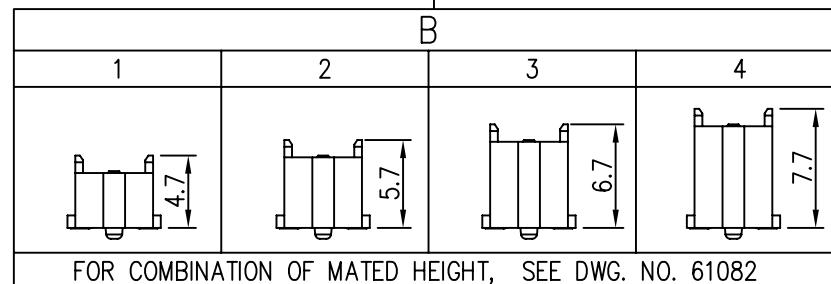


61083-[AA|B|C|D|E|G|FF]

A

AA	NO. OF POSITIONS
02	2X10
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

NOTE 10



NOTE:

1. MATERIAL:  
HOUSING: G.F. LCP, UL94-V0  
TERMINAL: BRASS
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 61083-\*\*\*\*\* OR 61083-\*\*\*\*\*LF NOT PRINT DATE CODE.  
THE P/N 61083-\*\*\*\*\*P OR 61083-\*\*\*\*\*PLF NEED PRINT DATE CODE.
10. POSITION 2X10 TYPE ONLY APPLY TO PLUG 1.  
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
11. KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.



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D

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)
7	T&R WITH PLASTIC CAP

NOTE 10  
NOTE 10  
NOTE 11  
NOTE 10

D	FEATURE	HOLD DOWN
0	YES	NO
2	NO	NO

C	PLATING: CONTACT AREA / SOLDER TAIL AREA	FF
0	GOLD 0.2um MIN. / TIN LEAD 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / TIN LEAD 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN / PURE MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
5	GOLD 0.38um MIN / MATT PURE TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN (LEADFREE PLATING)	LF
6	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / PURE MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
9	GOLD 0.2um MIN / GOLD 0.05um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF

spec ref tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			dr eng chr appr	Guomin Sun 2014-10-21 ZK Hu 2014-10-21 Feagle Pan 2014-10-21	projection product family Bergstak	mm ecn no Bergstak	size A3	scale 3:1
	surface	V	linear						
			0.X	±0.2					
			0.XX	±0.15					
			0.XXX	±0.10					
			angular	0°	±2°	FCI	BERGSTAK 0.8mm BTB PLUG ASSY	dwg no 61083	rev AG
					www. fci. com	cat. no.	-	Product - Customer drw	sheet 1 of 6

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2	69.8	68.2
61083-181***	2X90	71.2	77.8	76.2
61083-201***	2X100	79.2	85.8	84.2

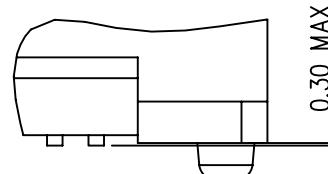
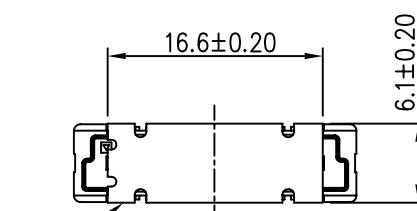
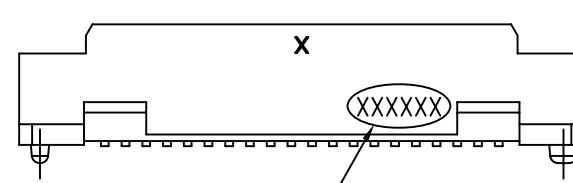
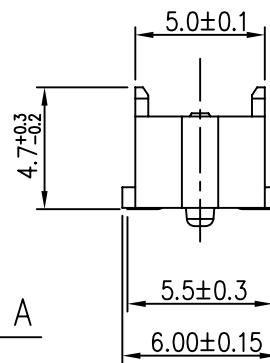
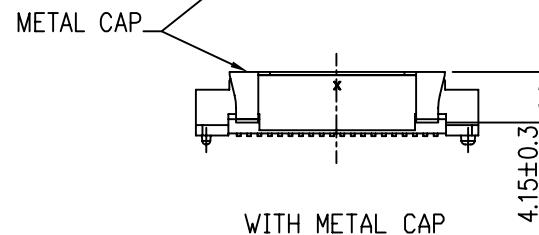
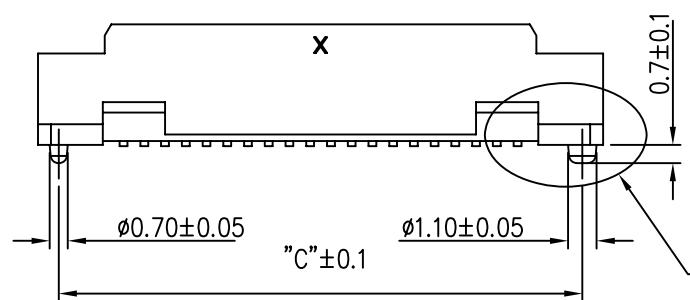
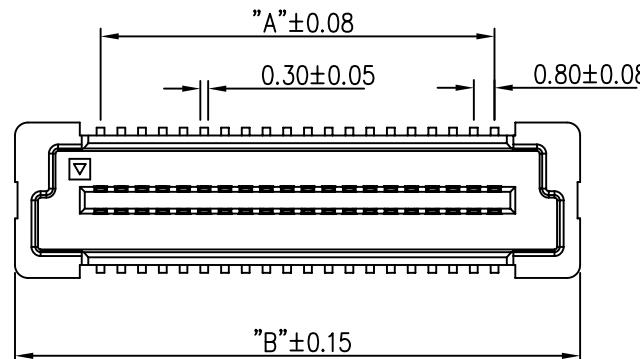
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1

2

3

4



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

DETAIL A  
SCALE 10:1

DATE CODE: XXXXX

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

DETAIL A

## PLUG

dr	Guomin Sun	2014-10-21	projection 	mm	size	A3	scale	
eng	Guomin Sun	2014-10-21			ecn no	3:1		
chr	ZK Hu	2014-10-21			rel level	RELEASE		
appr	Feagle Pan	2014-10-21	product family	Bergstak				
		BERGSTAK 0.8mm BTB PLUG ASSY			dwg no	61083		
					dwg no	AG		
www.fci.com		cat. no.	-	Product - Customer drw	sheet 2 of 6			

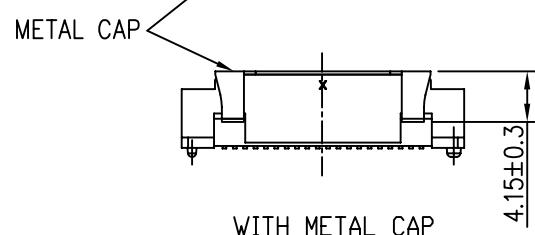
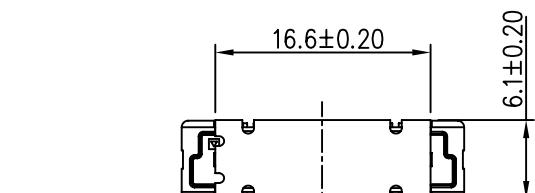
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2

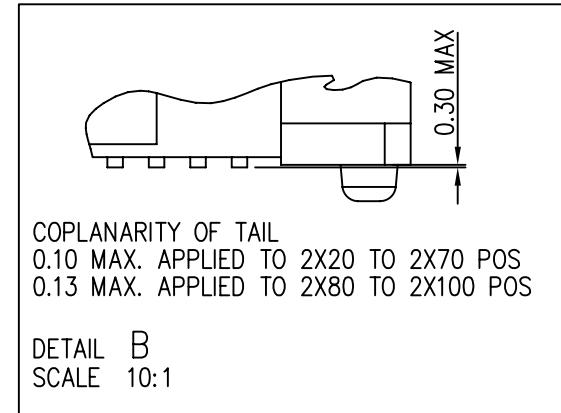
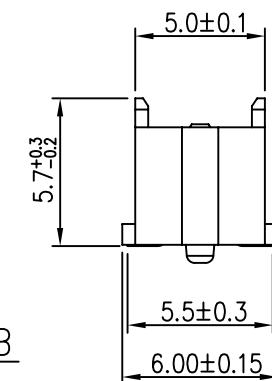
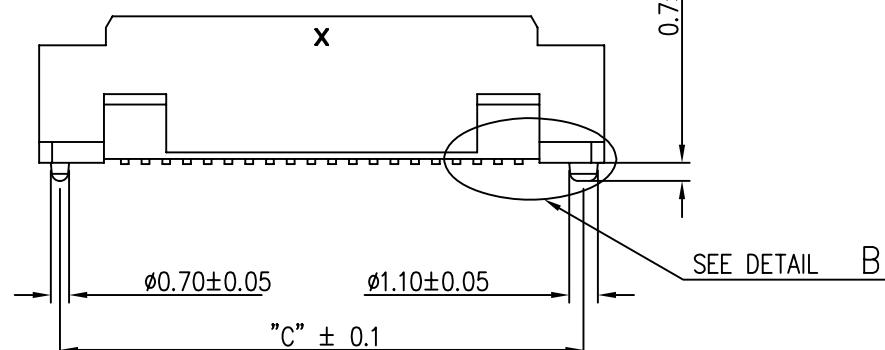
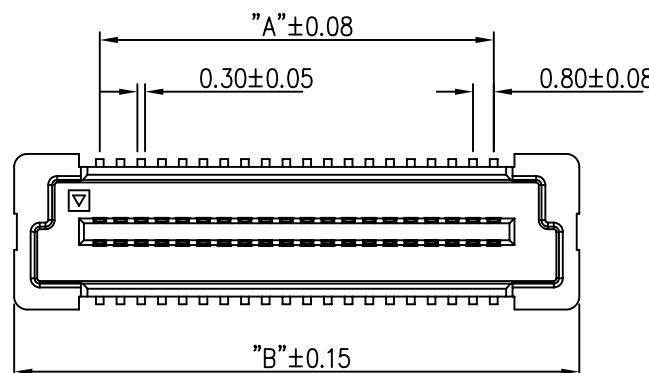
3

4

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2	77.8	76.2
61083-202***	2X100	79.2	85.8	84.2



WITH METAL CAP

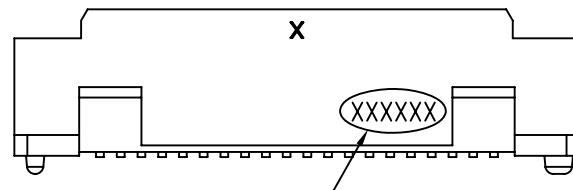


COPLANARITY OF TAIL  
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS  
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL B  
SCALE 10:1

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

DETAIL BB



SEE DETAIL BB

PLUG 2

dr	Guomin Sun	2014-10-21	projection	mm	size	A3	scale
eng	Guomin Sun	2014-10-21					
chr	ZK Hu	2014-10-21					
appr	Feagle Pan	2014-10-21					
title	BERGSTAK 0.8mm BTB PLUG ASSY			ecn no	dwg no	61083	rev
www.fci.com	cat. no.	-	product family	Bergstak	-	61083	AG
Product	Customer drw	sheet 3 of 6	rel level	RELEASE			

FCI

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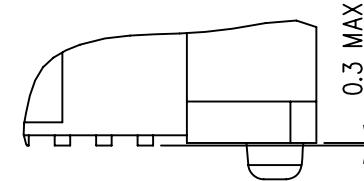
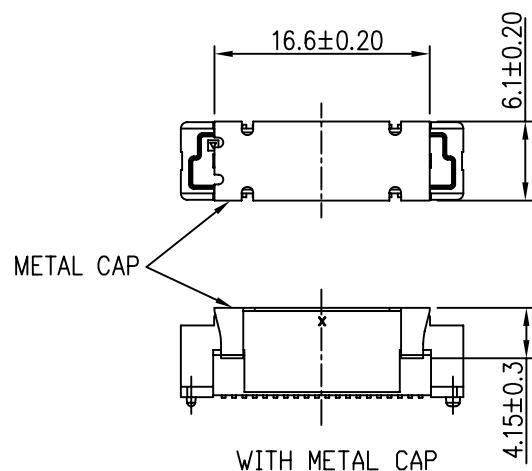
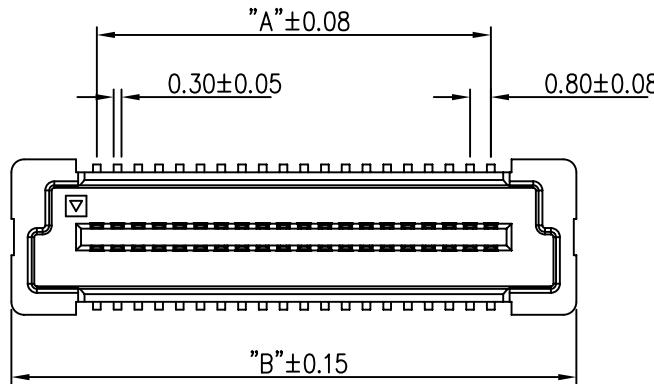
1

2

3

4

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	2X80	63.2	69.8	68.2
61083-183***	2X90	71.2	77.8	76.2
61083-203***	2X100	79.2	85.8	84.2



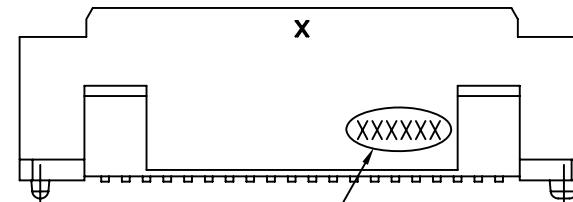
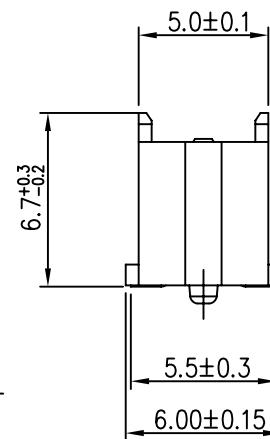
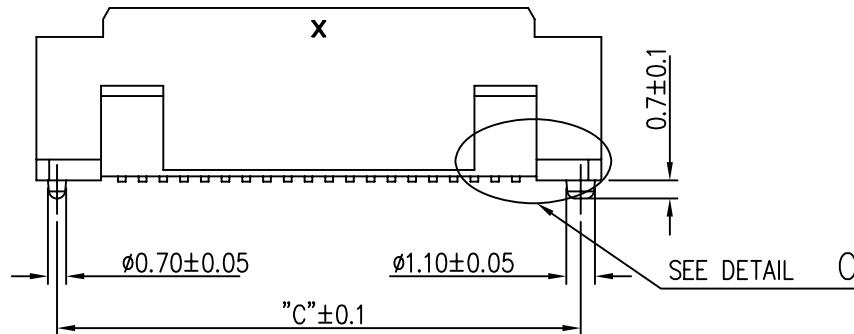
COPLANARITY OF TAIL:  
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS  
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C  
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL CC



PLUG 3

dr	Guomin Sun	2014-10-21	projection	mm	size	A3	scale	3:1
eng	Guomin Sun	2014-10-21			ecn no			
chr	ZK Hu	2014-10-21	product family	Bergstak	rel level	RELEASE		
appr	Feagle Pan	2014-10-21				dwg no	61083	
<b>FCI</b>			title	BERGSTAK 0.8mm BTB PLUG ASSY			rev	AG
www. fci. com			cat. no.	- Product - Customer drw			sheet 4 of 6	

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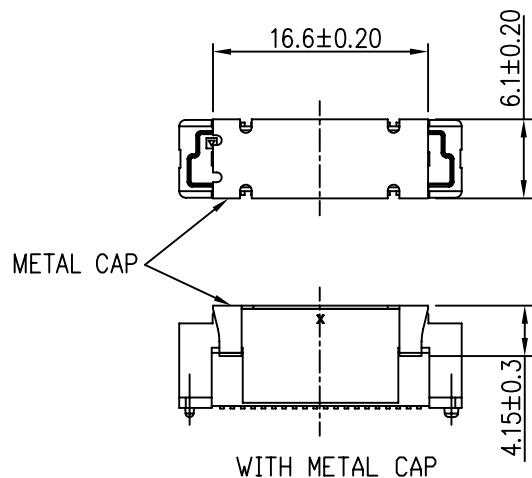
1

2

3

4

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-044***	2X20	15.2	21.8	20.2
61083-064***	2X30	23.2	29.8	28.2
61083-084***	2X40	31.2	37.8	36.2
61083-104***	2X50	39.2	45.8	44.2
61083-124***	2X60	47.2	53.8	52.2
61083-144***	2X70	55.2	61.8	60.2
61083-164***	2X80	63.2	69.8	68.2
61083-184***	2X90	71.2	77.8	76.2
61083-204***	2X100	79.2	85.8	84.2



A

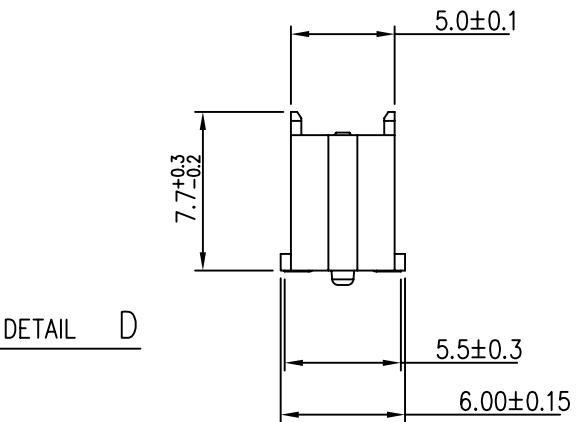
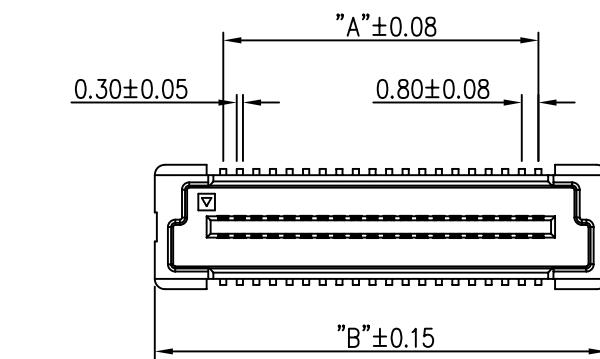
B

C

D



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1

2

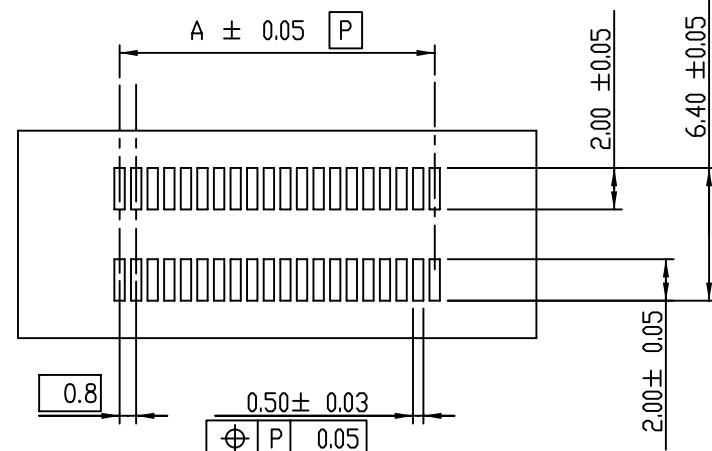
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4

dr	Guomin Sun	2014-10-21	projection	mm	size	A3	scale	
eng	Guomin Sun	2014-10-21						
chr	ZK Hu	2014-10-21						
appr	Feagle Pan	2014-10-21						
product family	Bergstak	-			rel level	RELEASE		
title	BERGSTAK 0.8mm BTB	dwg no				61083		
www.fci.com	PLUG ASSY	rev				AG		
cat. no.	-	Product - Customer drw						

FOR PLUG 1/2/3/4

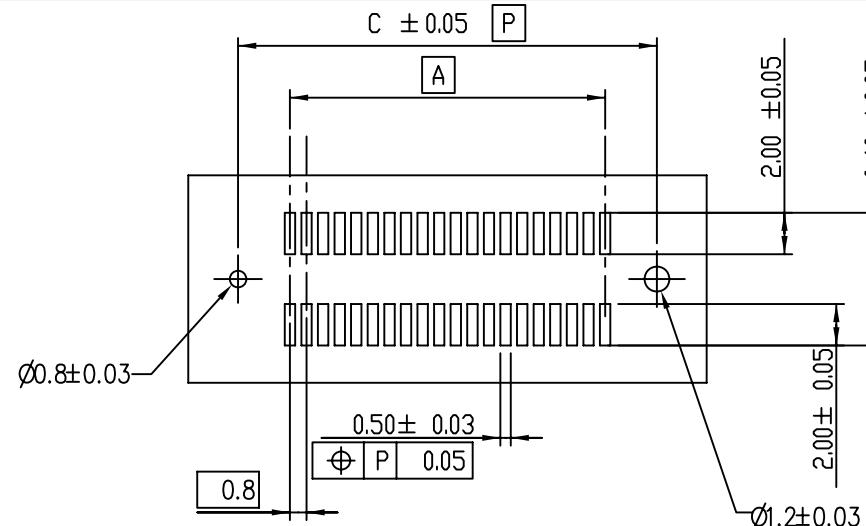
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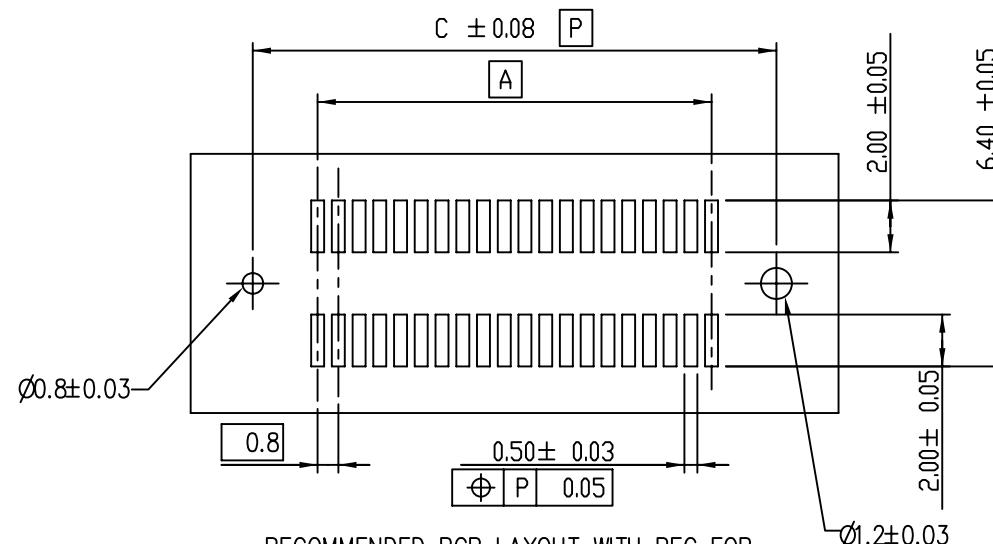
RECOMMENDED PCB LAYOUT WITHOUT PEG AND HOLDDOWN FOR  
NO. OF POS 2X20, 2X30, 2X40, 2X50 2X60

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D



RECOMMENDED PCB LAYOUT WITH PEG FOR  
NO. OF POS 2X20, 2X30, 2X40, 2X50 2X60



RECOMMENDED PCB LAYOUT WITH PEG FOR  
NO. OF POS 2X70, 2X80, 2X90, 2X100

dr	Guomin Sun	2014-10-21	projection	mm	size	A3	scale	3:1
eng	Guomin Sun	2014-10-21			ecn no			
chr	ZK Hu	2014-10-21			rel level	RELEASE		
appr	Feagle Pan	2014-10-21	product family	Bergstak	dwg no			
 www. fci. com		BERGSTAK 0.8mm BTB PLUG ASSY			dwg no	61083		
		cat. no.	-	Product - Customer drw	rev	AG		
sheet 6 of 6								

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Authorized Distributor

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