

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

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

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.

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

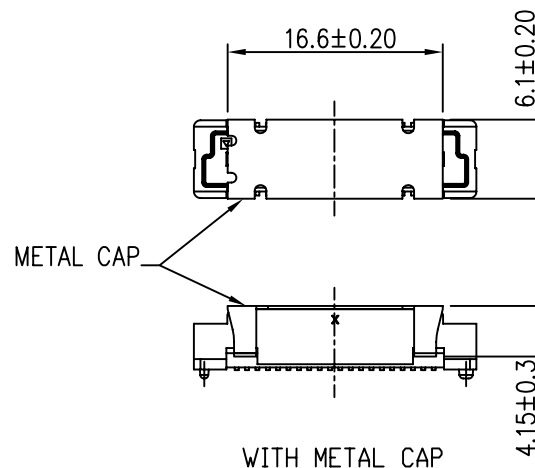
1

2

3

4

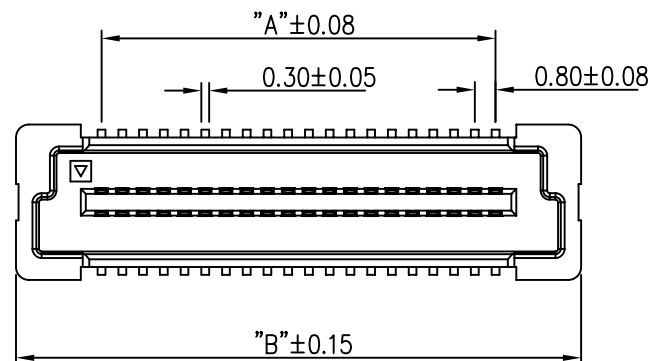
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2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



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

B

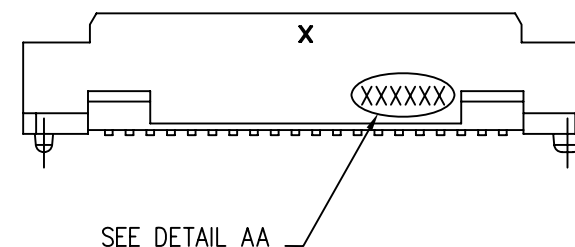
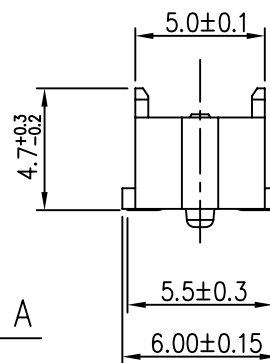
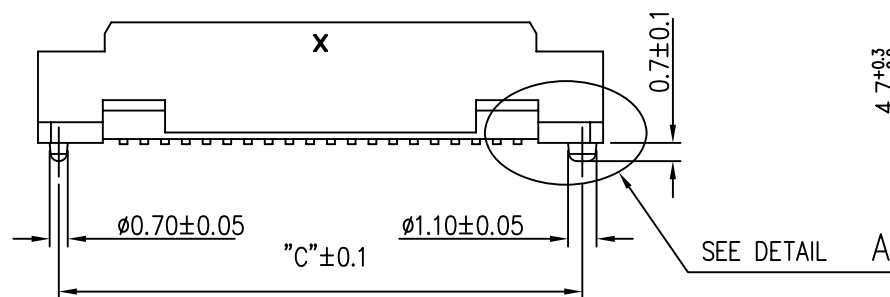


DATE CODE: XXXXXX

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

DETAIL AA

C



PLUG 1

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	-			
		title			BERGSTAK 0.8mm BTB		rev	
					PLUG ASSY		A0	
www.fci.com		cat. no.	-	Product - Customer drw			sheet 2 of 6	

1

2

3

4

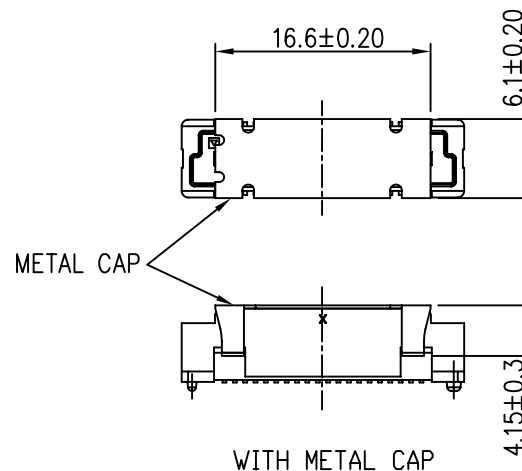
1

2

3

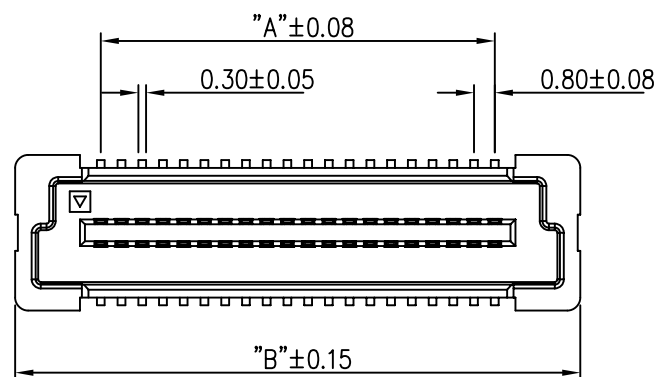
4

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



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

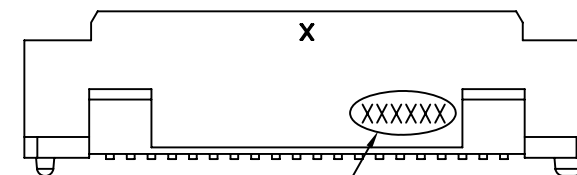
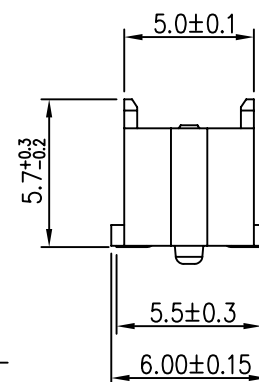
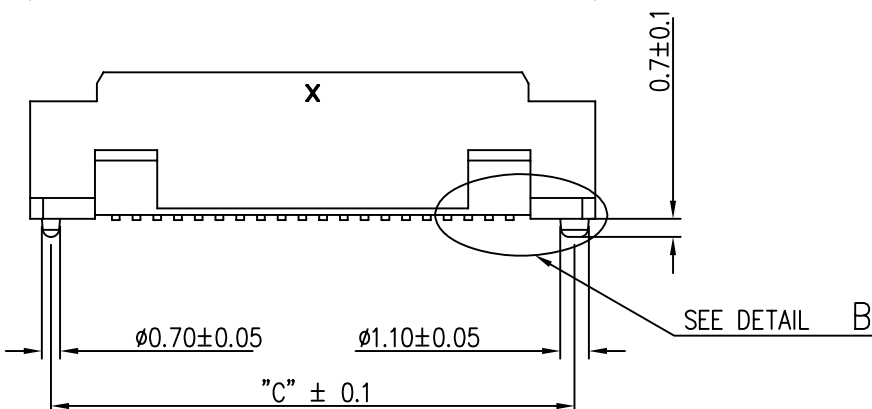
DETAIL B
SCALE 10:1



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	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						
FCI		title		BERGSTAK 0.8mm BTB		dwg no		61083
www.fci.com		cat. no.		-		Product - Customer drw		sheet 3 of 6
								rev
								AG

1

2

3

4

PDS: Rev :AG

STATUS:Released

Printed: Nov 05, 2014



Copyright FCI.

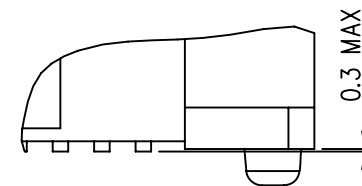
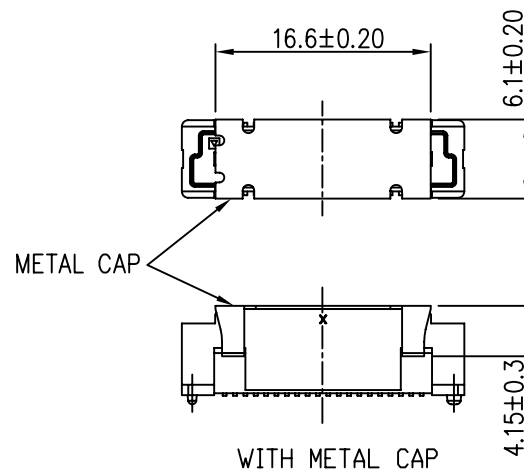
1

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



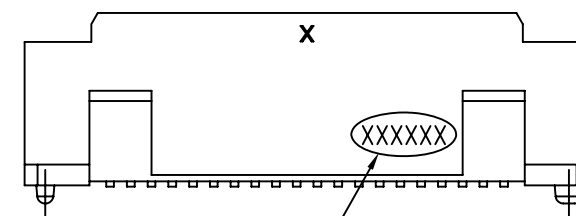
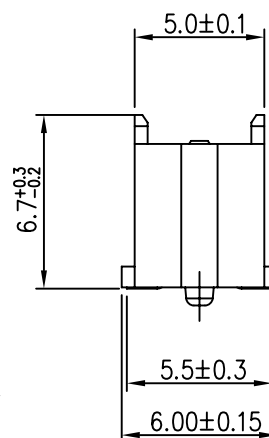
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL CC



SEE 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			rel level			
appr	Feagle Pan	2014-10-21	product family	Bergstak				RELEASE
FCi		title			BERGSTAK 0.8mm BTB		rev	
www.fci.com		cat. no.			61083		AG	
		Product - Customer drw			sheet 4 of 6			

1

2

3

4

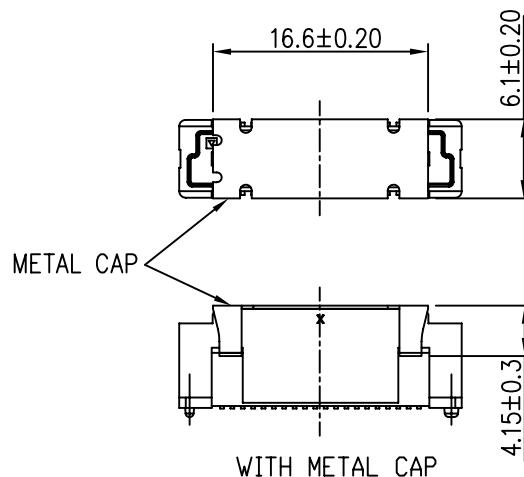
1

2

3

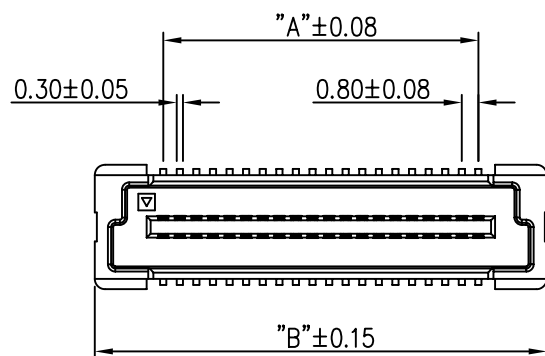
4

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



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

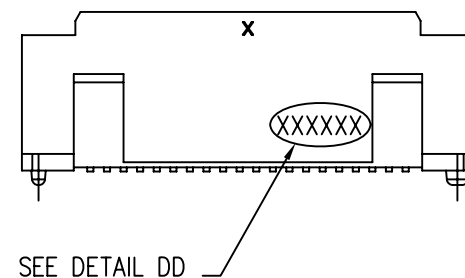
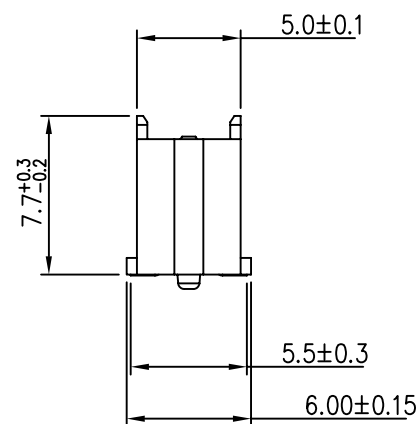
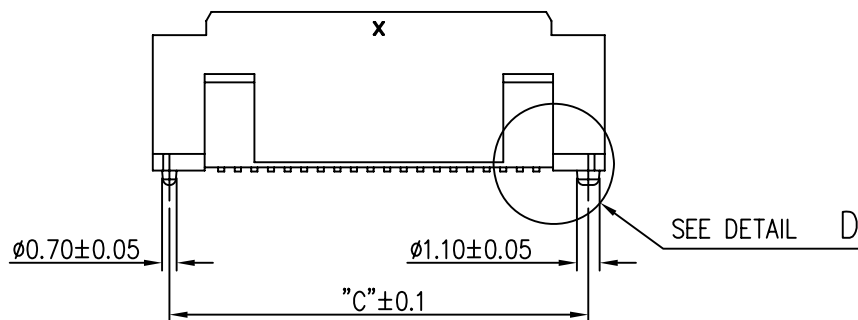
DETAIL D
SCALE 10:1



DATE CODE: XXXXXX

DAY<01~31>
MONTH<01~12>
YEAR<00~99>

DETAIL DD



PLUG 4

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							
appr	Feagle Pan	2014-10-21	product family	Bergstak	-	rel level	RELEASE		
		title			BERGSTAK 0.8mm BTB PLUG ASSY		rev		
www.fci.com		cat. no.	-	Product - Customer drw			AG		
		Product - Customer drw					sheet 5 of 6		

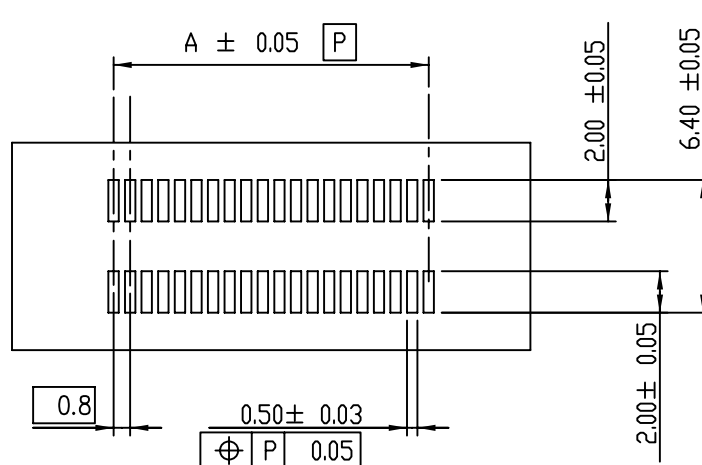
1

2

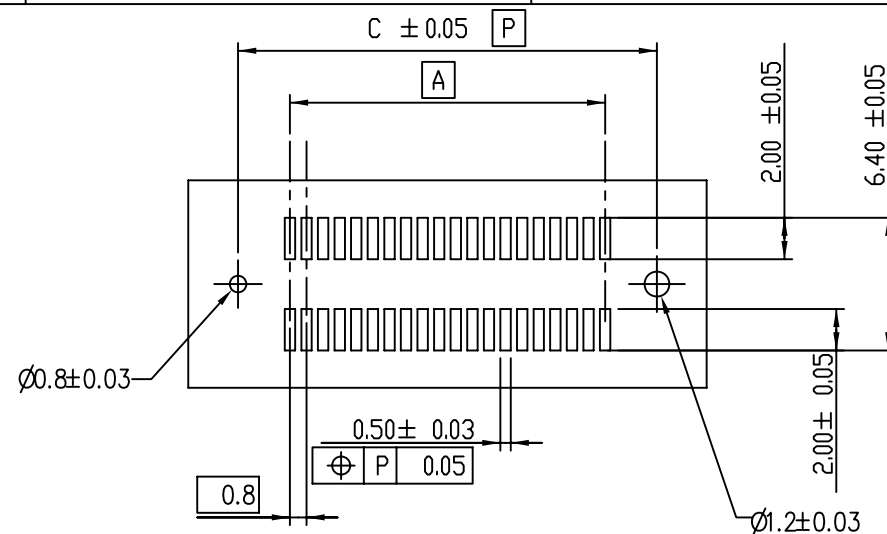
3

4

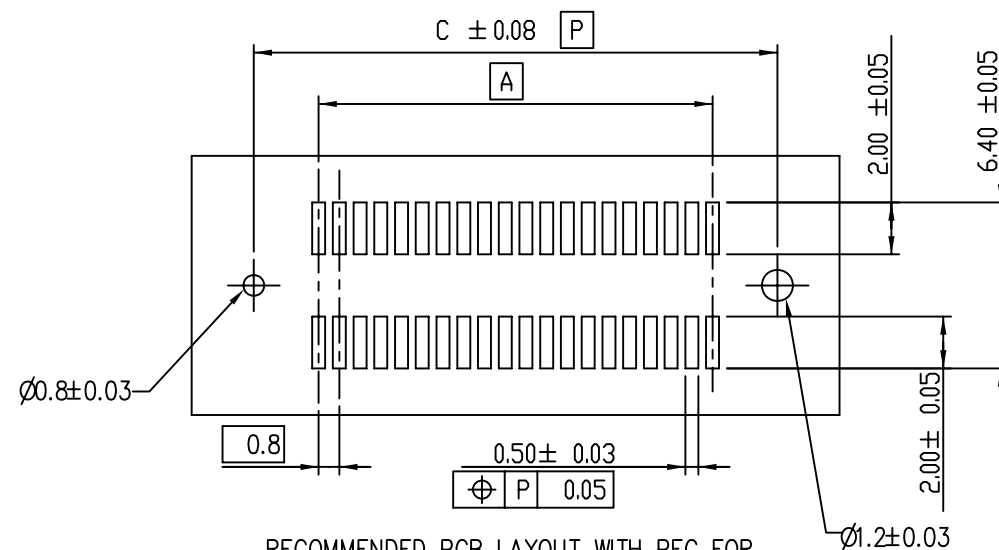
FOR PLUG 1/2/3/4



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



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	rel level	RELEASE				
chr	ZK Hu	2014-10-21									
appr	Feagle Pan	2014-10-21	product family	Bergstak	-						
			title		BERGSTAK 0.8mm BTB PLUG ASSY		dwg no		61083	rev	AG
www.fci.com		cat. no.	-	Product - Customer drw					sheet 6 of 6		