



Copyright FCI

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61083-AA B C D E G FF

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

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

B			
1	2	3	4
FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 61082			

NOTE:

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

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

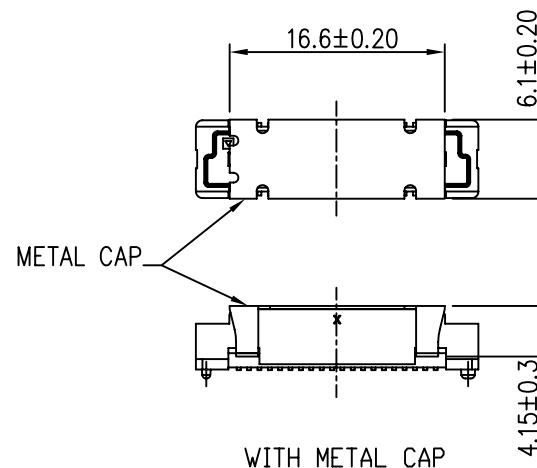
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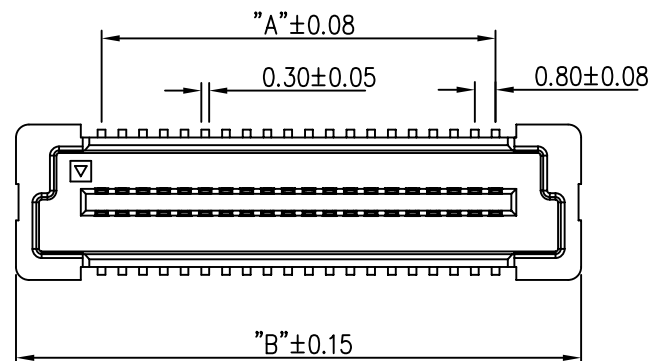
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		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	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

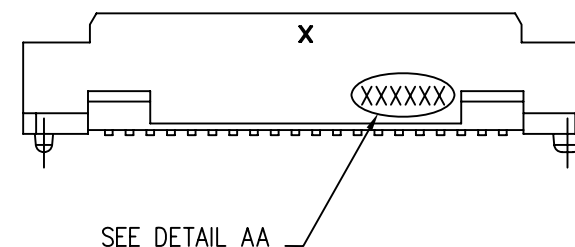
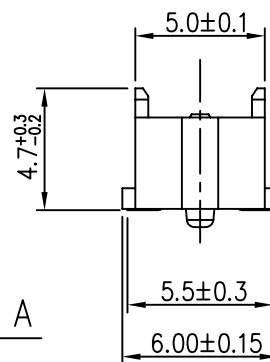
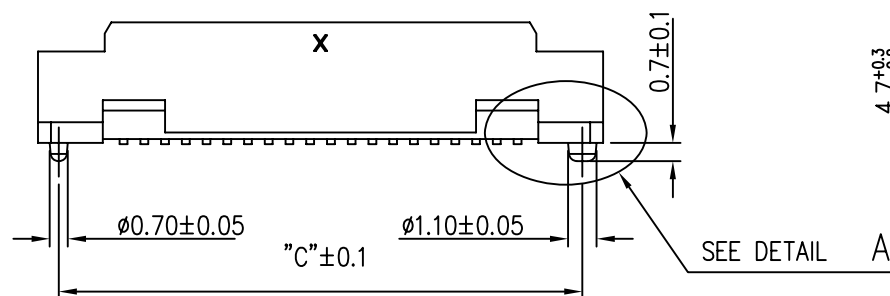


DATE CODE: XXXXXX

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			61083		A0	
www.fci.com	cat. no.	-	Product - Customer drw				sheet 2 of 6	

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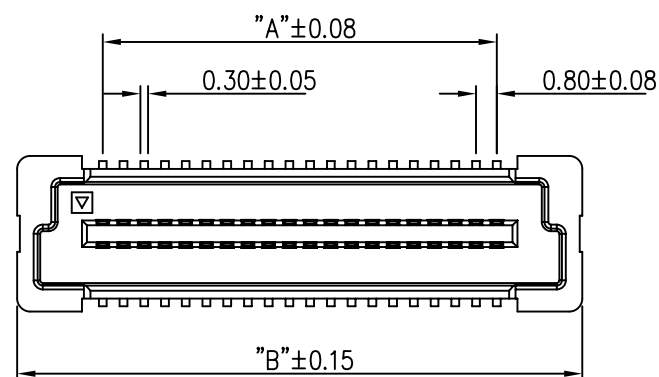
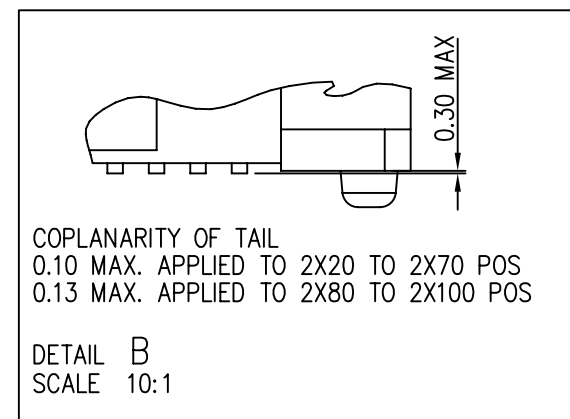
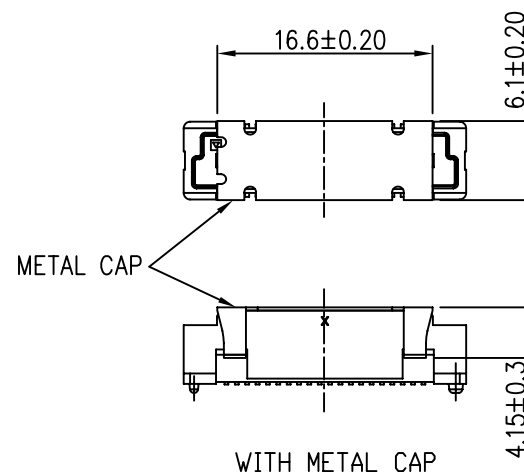
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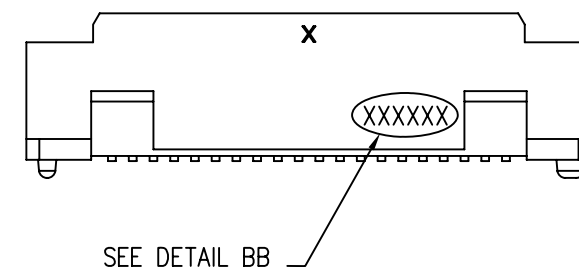
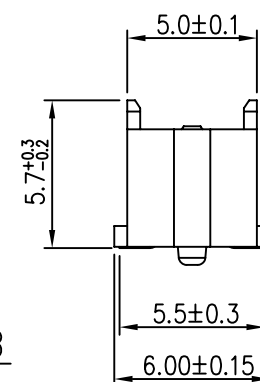
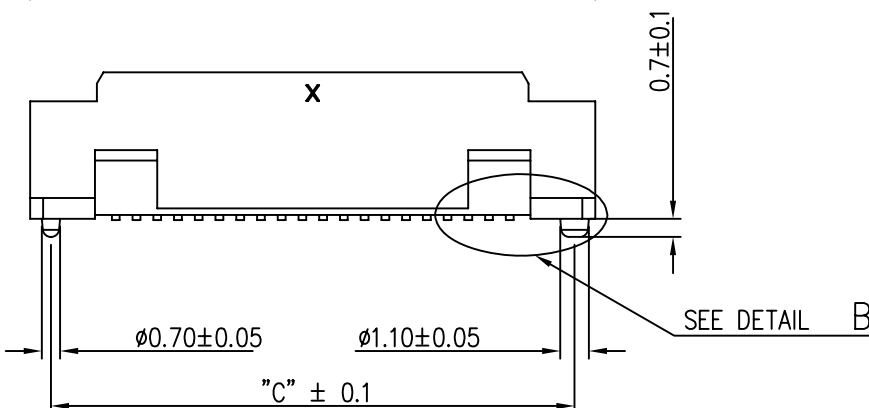
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



DATE CODE: XXXXXX

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

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			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 3 of 6	

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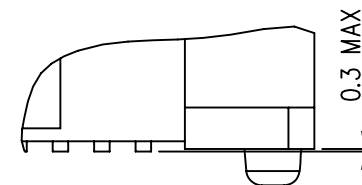
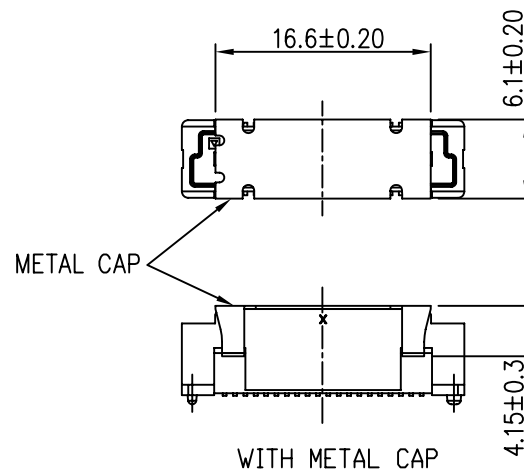
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PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	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

A

A

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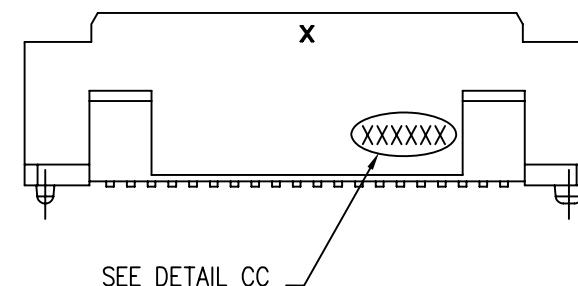
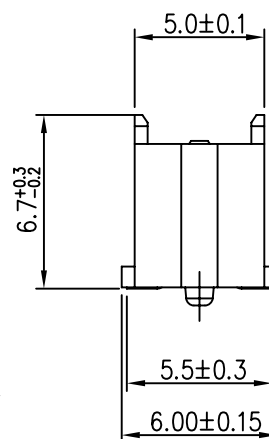
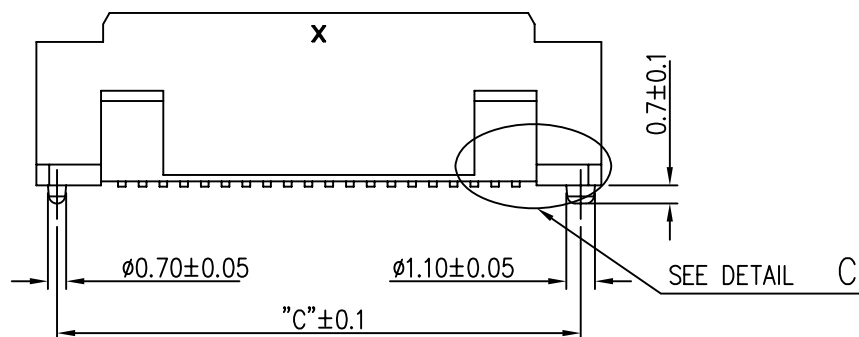
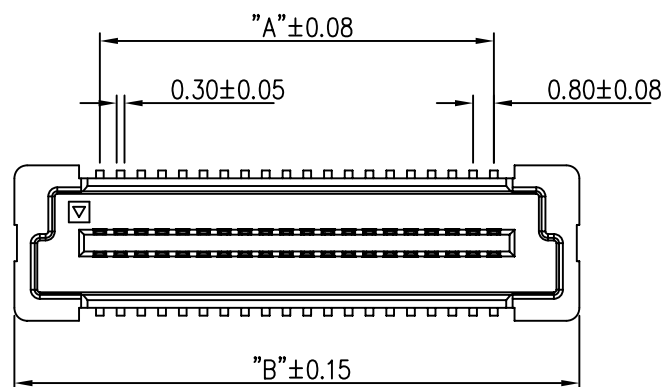
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PLUG 3

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			

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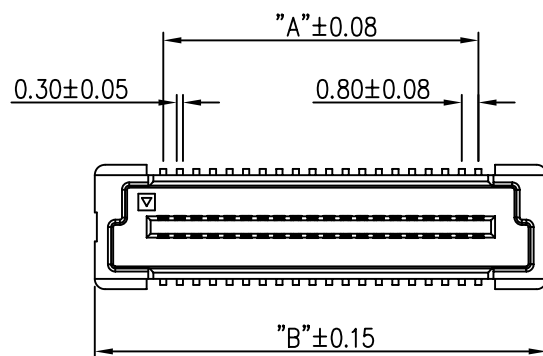
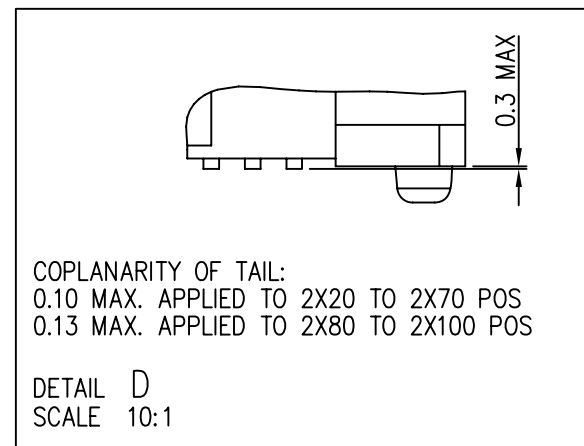
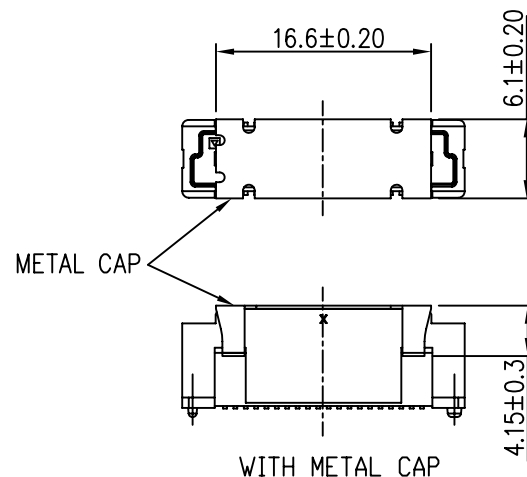
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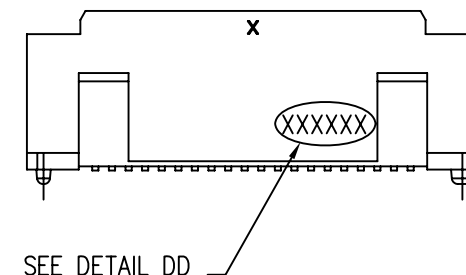
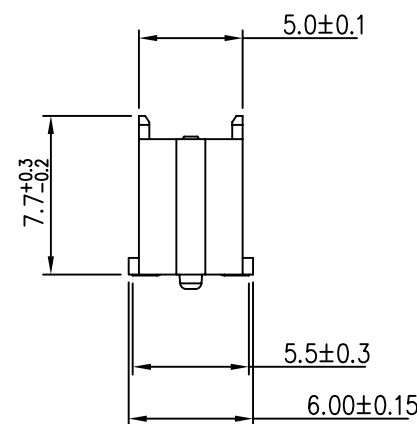
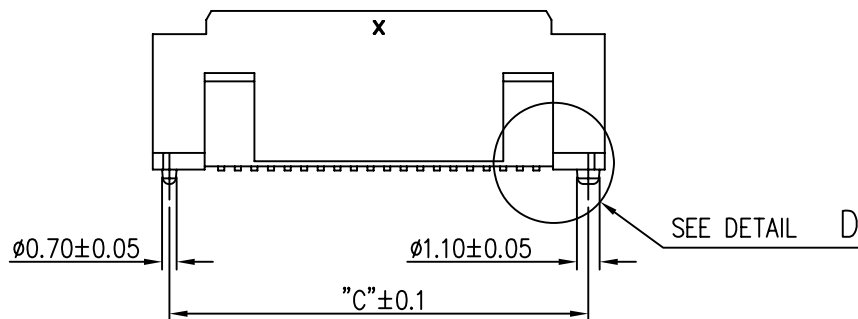
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-044***	2X20	15.2	21.8	20.2
61083-064***	2X30	23.2	29.8	28.2
61083-084***	2X40	31.2	37.8	36.2
61083-104***	2X50	39.2	45.8	44.2
61083-124***	2X60	47.2	53.8	52.2
61083-144***	2X70	55.2	61.8	60.2
61083-164***	2X80	63.2	69.8	68.2
61083-184***	2X90	71.2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



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			rel level			
appr	Feagle Pan	2014-10-21	product family	Bergstak				RELEASE
FCi		title		BERGSTAK 0.8mm BTB		dwg no		61083
www.fci.com		cat. no.		-		Product - Customer drw		sheet 5 of 6
								rev
								AG

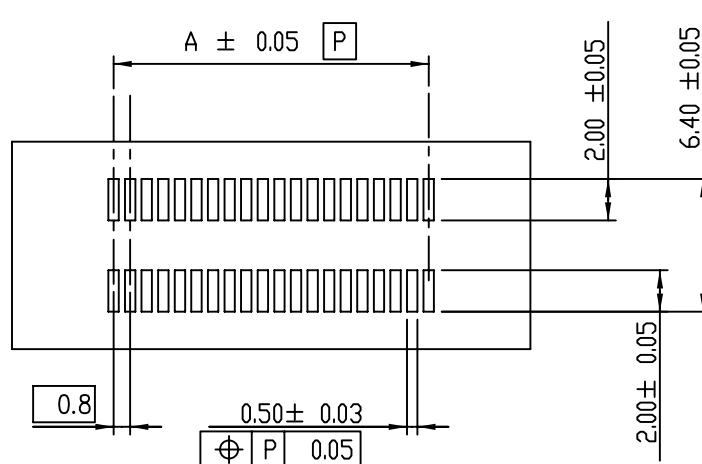
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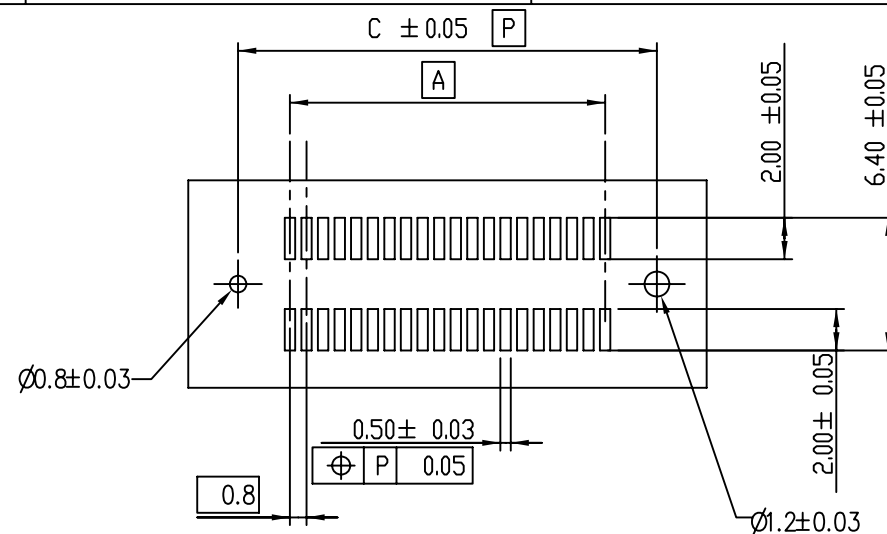
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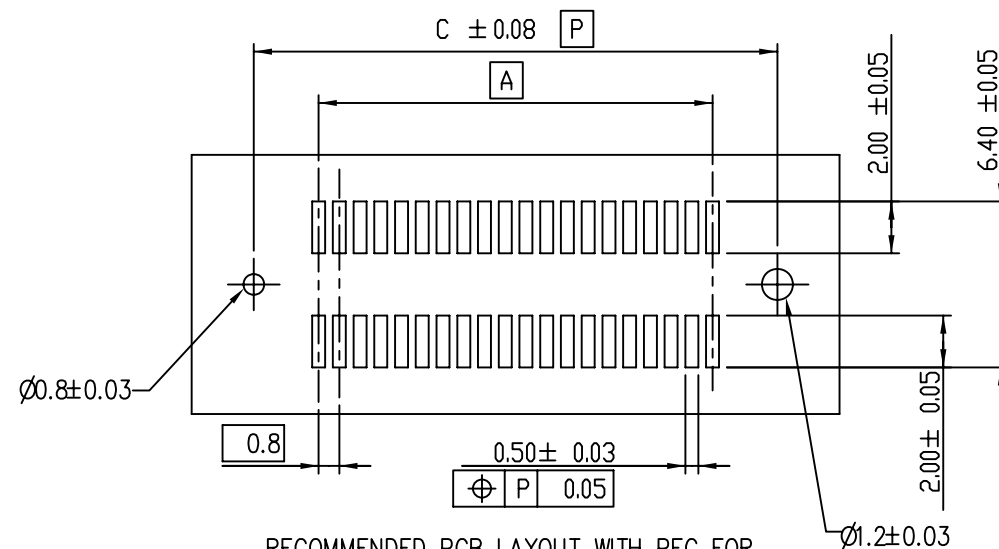
FOR PLUG 1/2/3/4



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	RELEASE								
chr	ZK Hu	2014-10-21												
appr	Feagle Pan	2014-10-21	product family	Bergstak	rel level									
			title		BERGSTAK 0.8mm BTB PLUG ASSY		dwg no		61083		rev		A0	
www.fci.com		cat. no.	-	Product - Customer drw						sheet 6 of 6				