

A

B

C

D

61083- AA B C D E FF

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

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



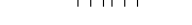
E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP
6	T&R WITHOUT METAL CAP (WITH KAPTON TAPE)

D	POLARIZATION PEG	HOLD DOWN
0	YES	NO
2	NO	NO

NOTE:

- MATERIAL:
HOUSING: G.F. LCP, UL94-V0
TERMINAL: BRASS
- PLATING:
AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- SEE GS-14-551 AND GS-14-816 FOR PACKAGING 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.
- A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

C	PLATING	FF
0	GOLD 0.2um MIN. / TIN LEAD SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN /TIN LEAD SOLDER NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN / PURE MATT TIN SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF (NOTE 6 & 8)
5	GOLD 0.38um MIN /PURE MATT TIN SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27UM MIN (LEADFREE PLATING)	LF (NOTE 6)
6	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / PURE MATT TIN SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF (NOTE 6 & 8)

spec ref				dr	MAGGIE WU	1999-03-24	projection 	mm 	size	A3	scale	3:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	YU WEN CHU	1999-03-24			ecn no	S10-0210		
				chr	M CHEONG	2010-09-29						
				appr	JOEY NG	2010-09-29						
				product family		BERGSTAK		-	rel level		RELEASE	
surface -  ISO 1302	linear	0.X	±0.2		title BERGSTAK 0.8mm BTB PLUG ASSY				dwg no 61083		rev AC	
		0.XX	±0.15									
		0.XXX	±0.10									
		angular	0°	±2°	www.fci.com	cat. no.		-	CUSTOMER			sheet 1 of 6



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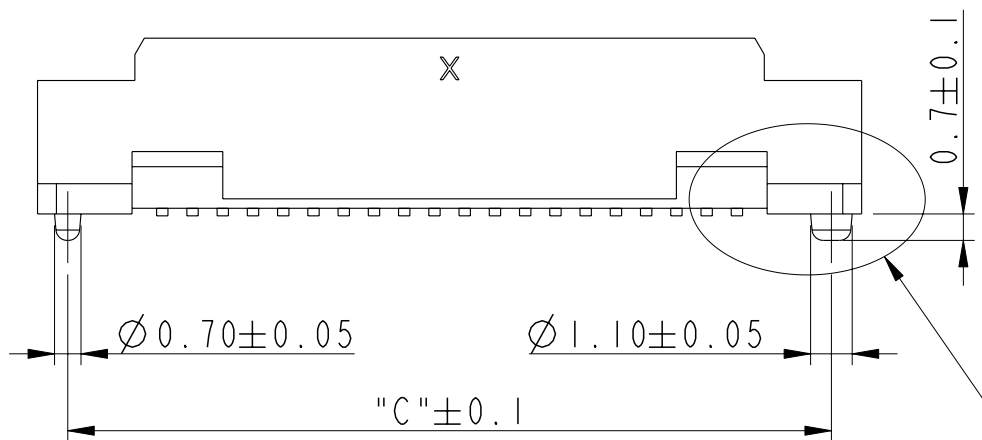
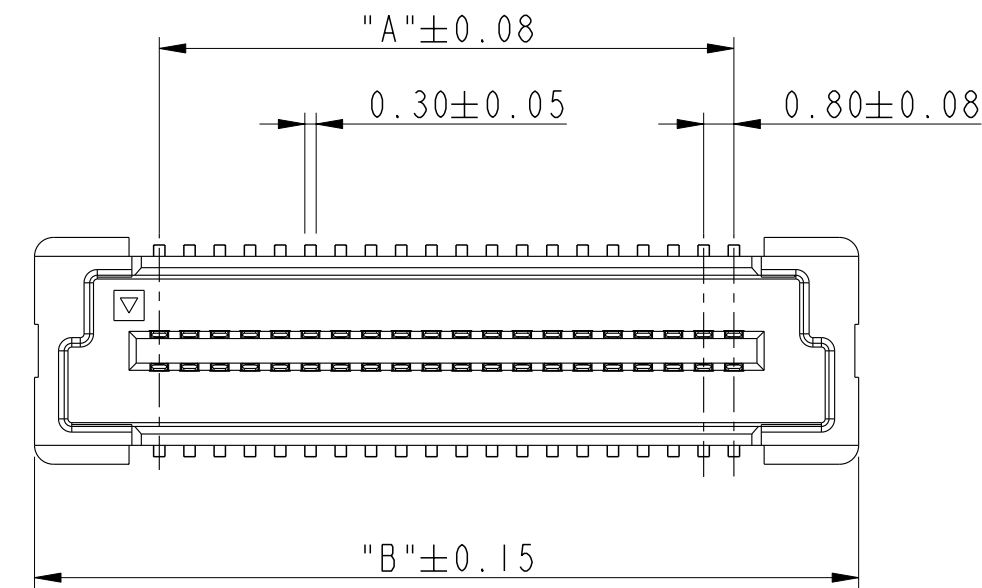
A

B

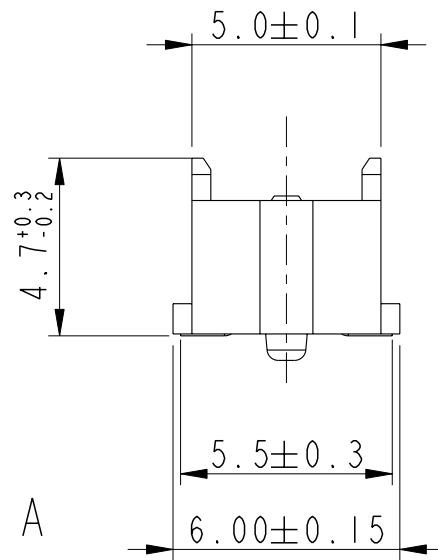
C

D

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
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

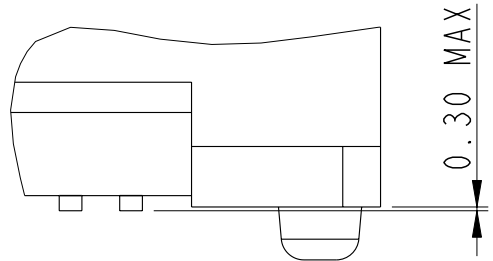


SEE DETAIL A

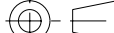


COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X100 POS

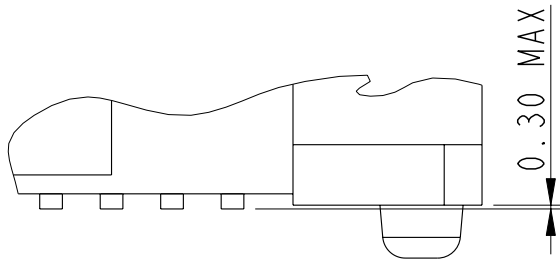
DETAIL A
SCALE 10:1



PLUG 1

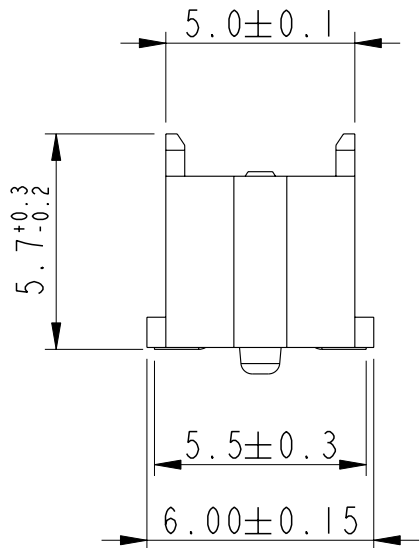
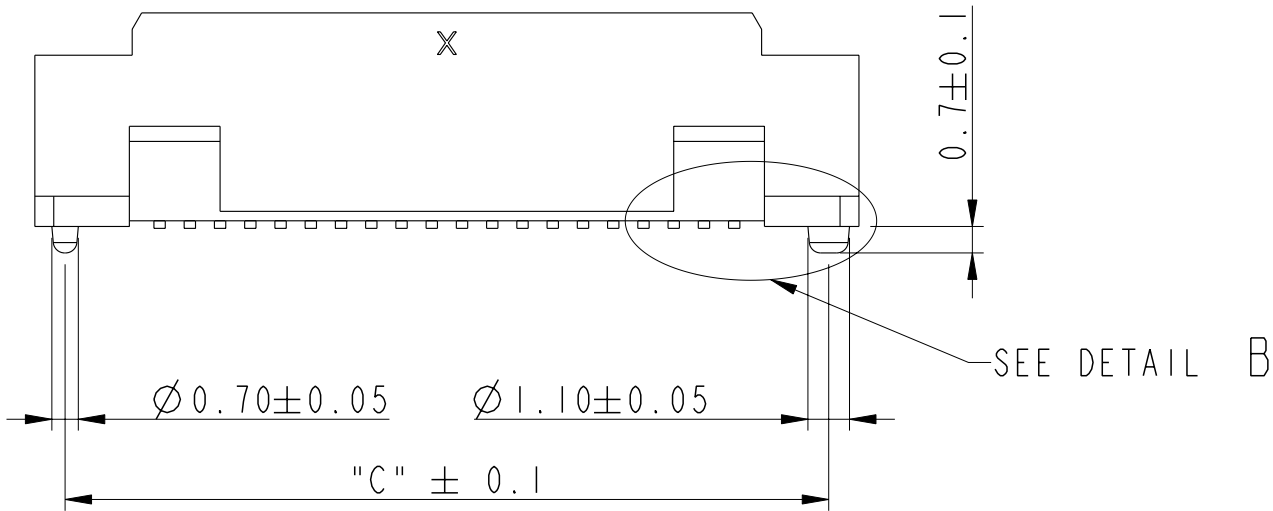
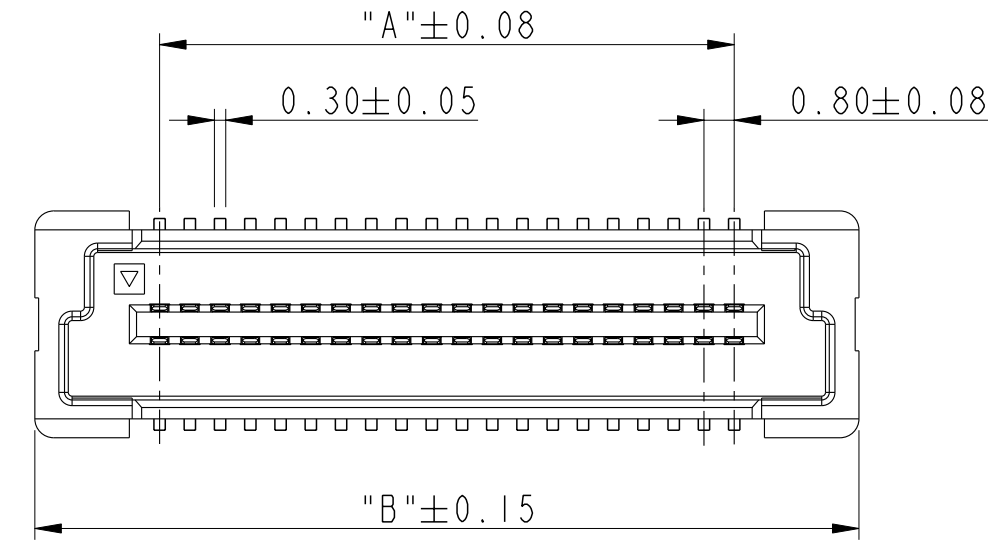
spec ref				dr	MAGGIE WU	1999-03-24	projection		mm		size	A3	scale	3:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	YU WEN CHU	1999-03-24					ecn no	S10-0210											
				chr	M CHEONG	2010-09-29																	
				appr	JOEY NG	2010-09-29									product family	BERGSTAK		-	rel level	RELEASE			
surface		linear	0.X	±0.2		title				BERGSTAK 0.8mm BTB		dwg no	61083									rev	AC
			0.XX	±0.15																			
			0.XXX	±0.10																			
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.		-	CUSTOMER				sheet 2 of 6											

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

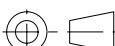


COPLANARITY OF TAIL
0.1 MAX. APPLIED TO 2X20 TO 2X100 POS

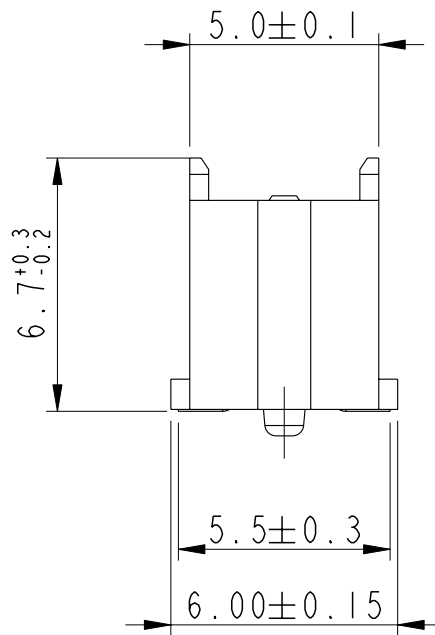
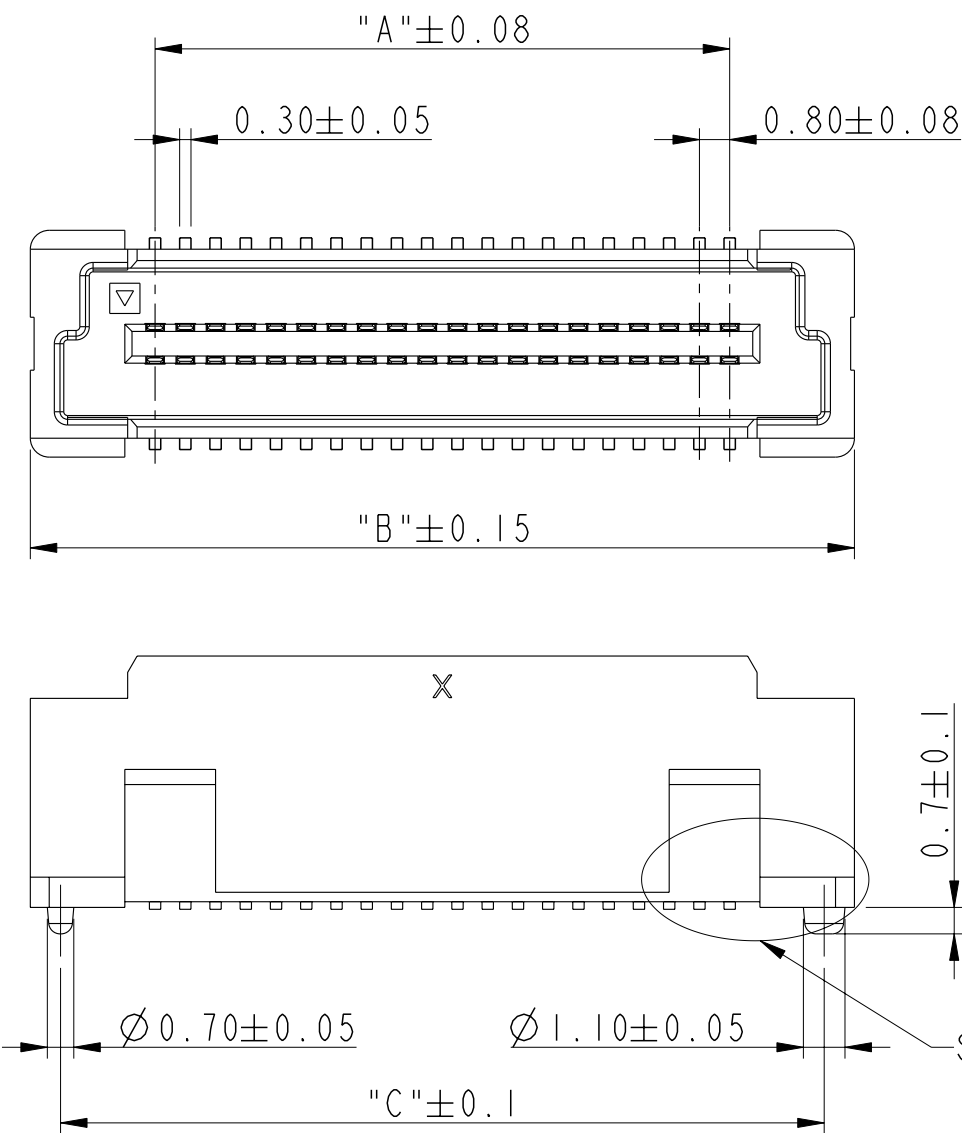
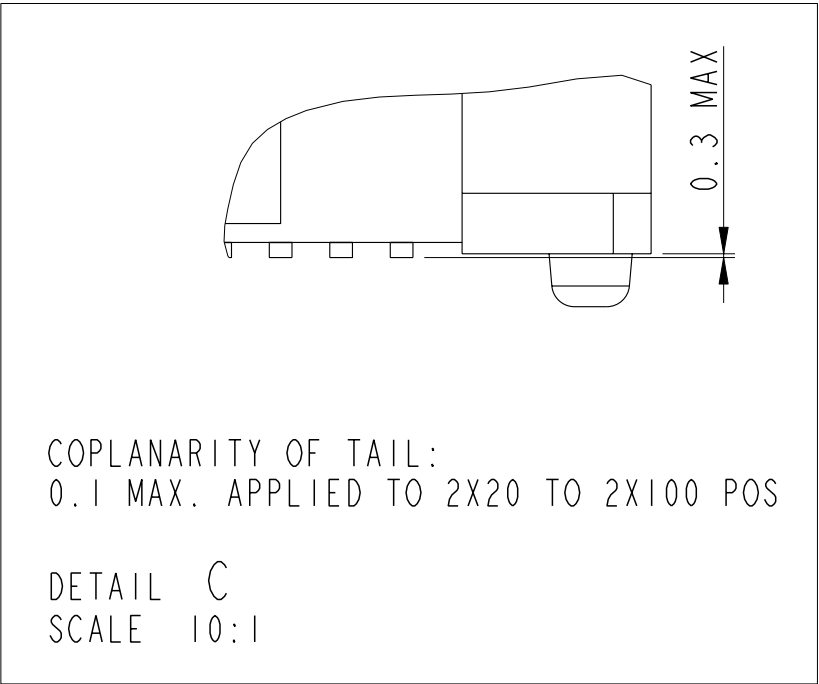
DETAIL B
SCALE 10:1



PLUG 2

spec ref		dr		MAGGIE WU		1999-03-24		projection		mm		size		A3		scale		3:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		YU WEN CHU		1999-03-24						ecn no		S10-0210					
ISO 406				chr		M CHEONG		2010-09-29													
ISO 1101				appr		JOEY NG		2010-09-29													
				product family		BERGSTAK		-		rel level		RELEASE									
surface 		linear		0.X		±0.2				title		BERGSTAK 0.8mm BTB		dwg no		61083		rev		AC	
				0.XX		±0.15															
				0.XXX		±0.10															
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		CUSTOMER		sheet 3 of 6					

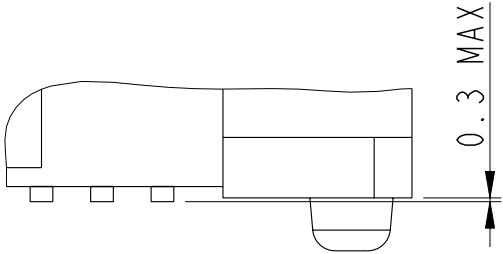
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	2X80	63.2	69.8	68.2
61083-183***	2X90	71.2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



PLUG 3

spec ref		dr		MAGGIE WU	1999-03-24	projection		mm		size	A3	scale	3:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	YU WEN CHU	1999-03-24	chr					M CHEONG	2010-09-29	ecn no	S10-0210		
		appr	JOEY NG	2010-09-29						product family	BERGSTAK		-	rel level	RELEASE
ISO 406		linear	0.X	±0.2		title	BERGSTAK 0.8mm BTB			dwg no	61083		rev	AC	
ISO 1101			0.XX	±0.15											PLUG ASSY
			0.XXX	±0.10											
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	CUSTOMER				sheet 4 of 6				

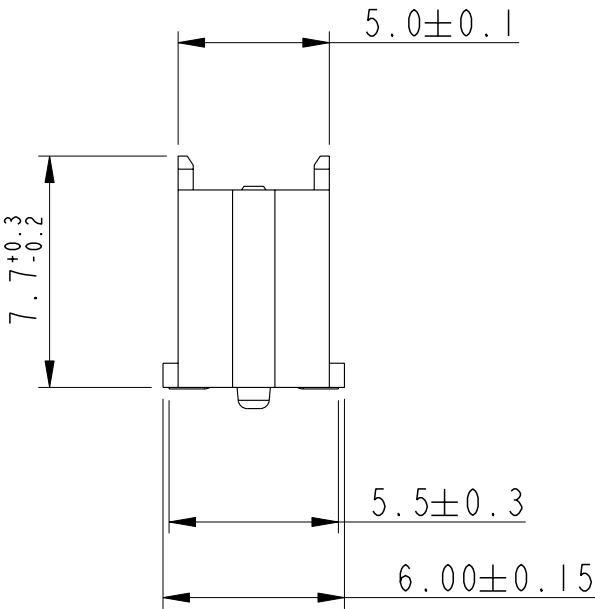
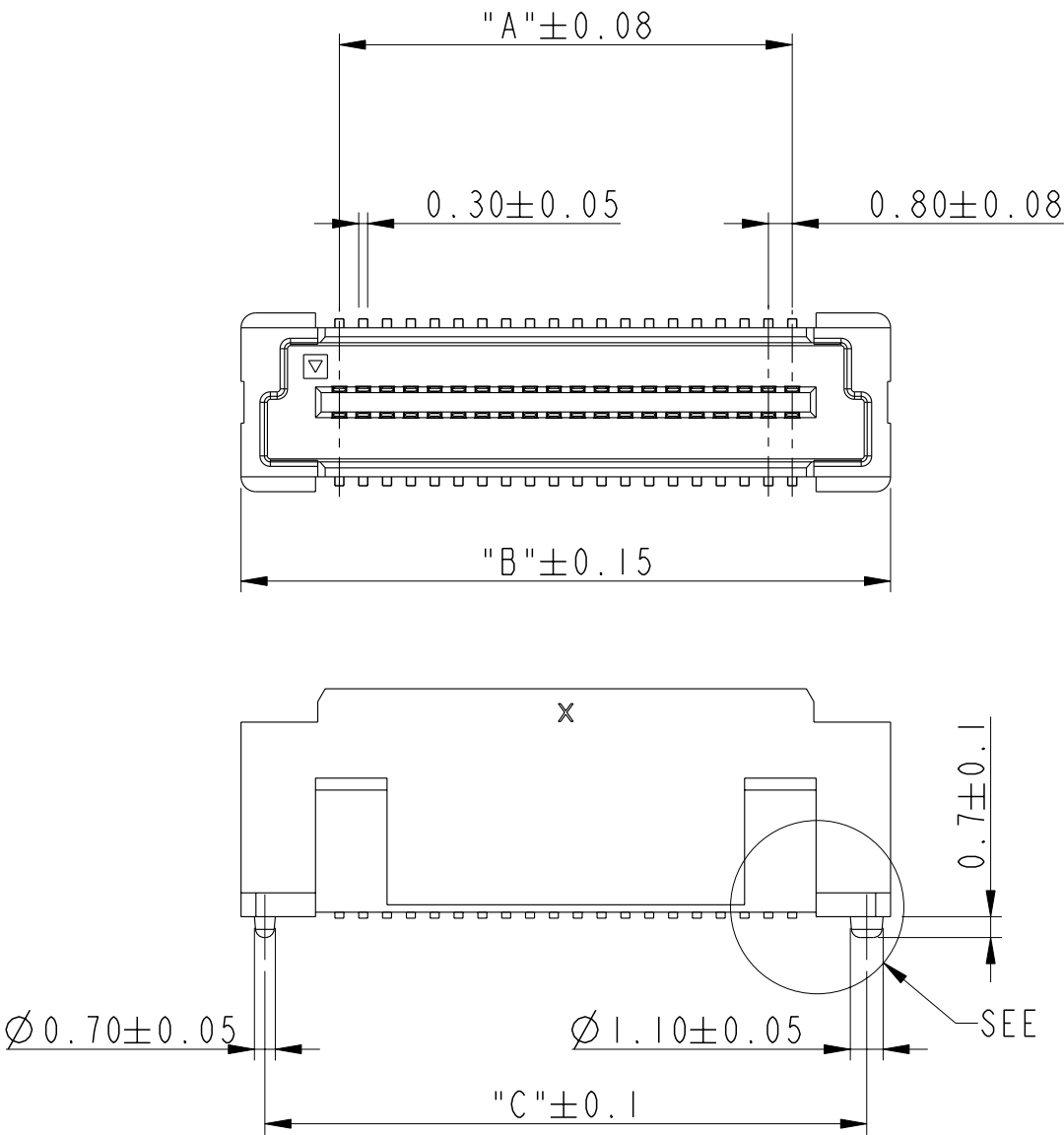
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X100 POS

DETAIL D
SCALE 10:1

AC



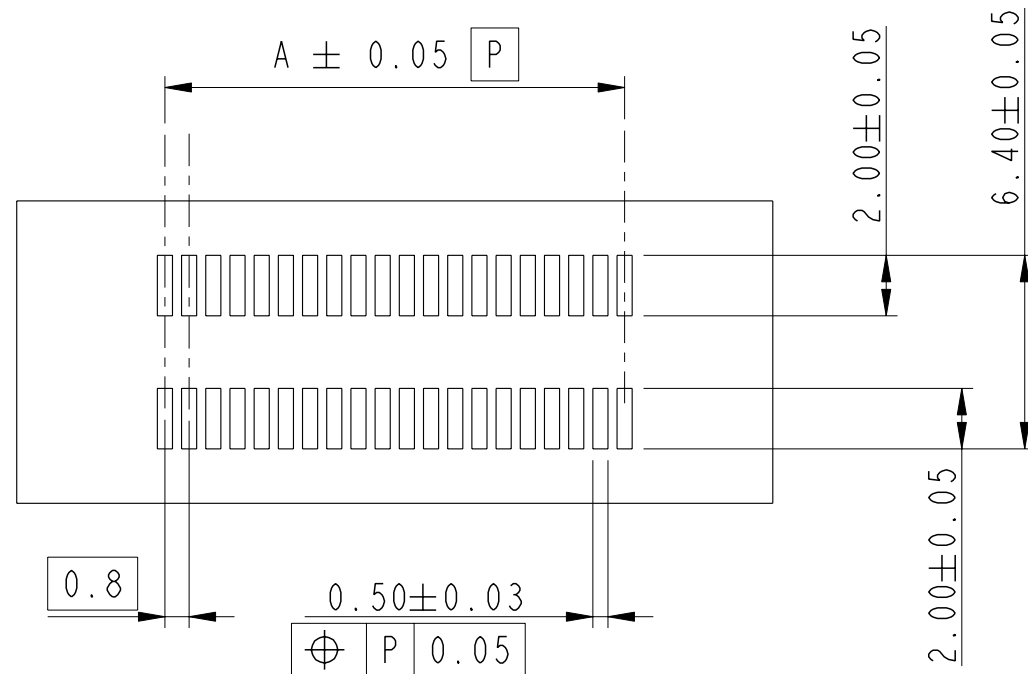
PLUG 4

spec ref		dr	MAGGIE WU	1999-03-24	projection 	mm 	size	A3	scale	3:1
tolerance std		eng	YU WEN CHU	1999-03-24			ecn no			S10-0210
ISO 406		chr	M CHEONG	2010-09-29			rel level			RELEASE
ISO 1101		appr	JOEY NG	2010-09-29			product family			BERGSTAK
surface ✓	linear	0.X	±0.2		title BERGSTAK 0.8mm BTB PLUG ASSY	dwg no	61083			rev AC
		0.XX	±0.15							
		0.XXX	±0.10							
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	CUSTOMER			sheet 5 of 6

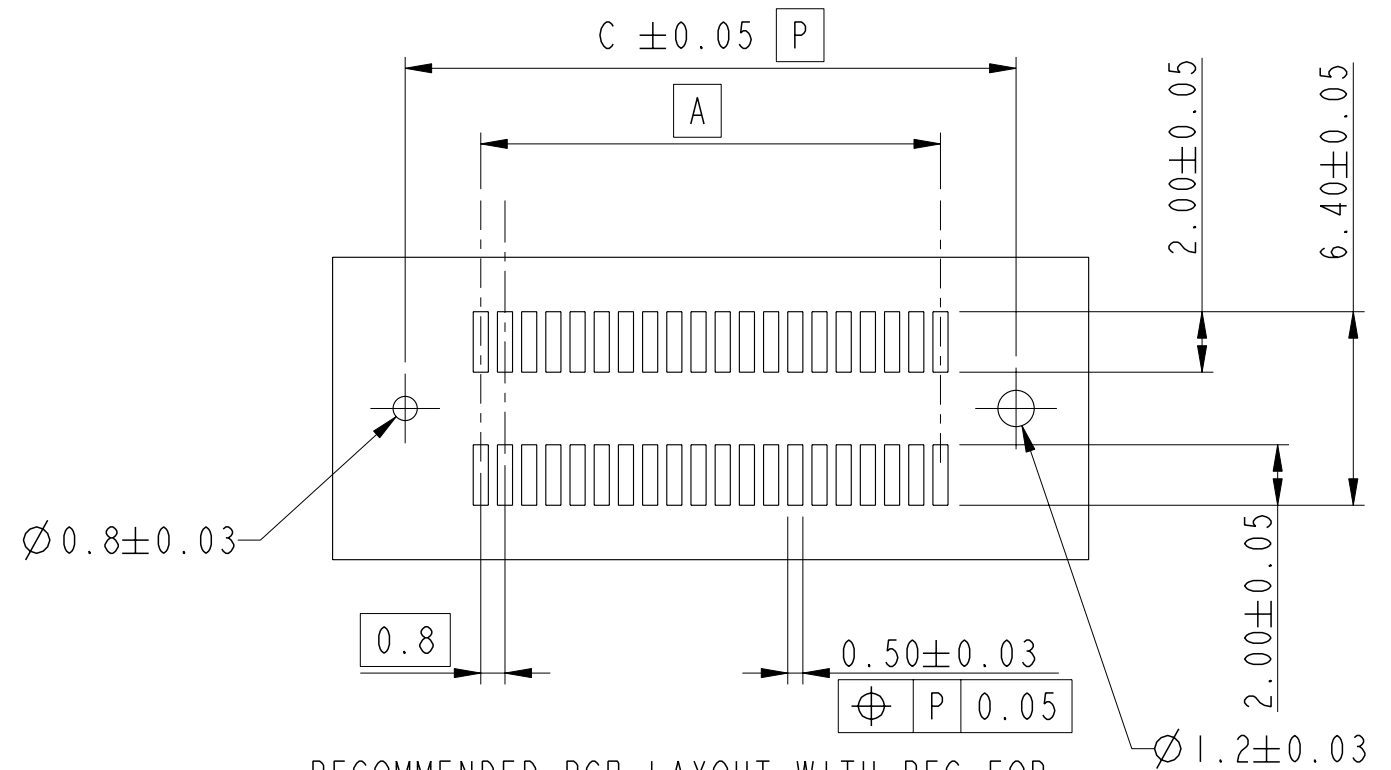


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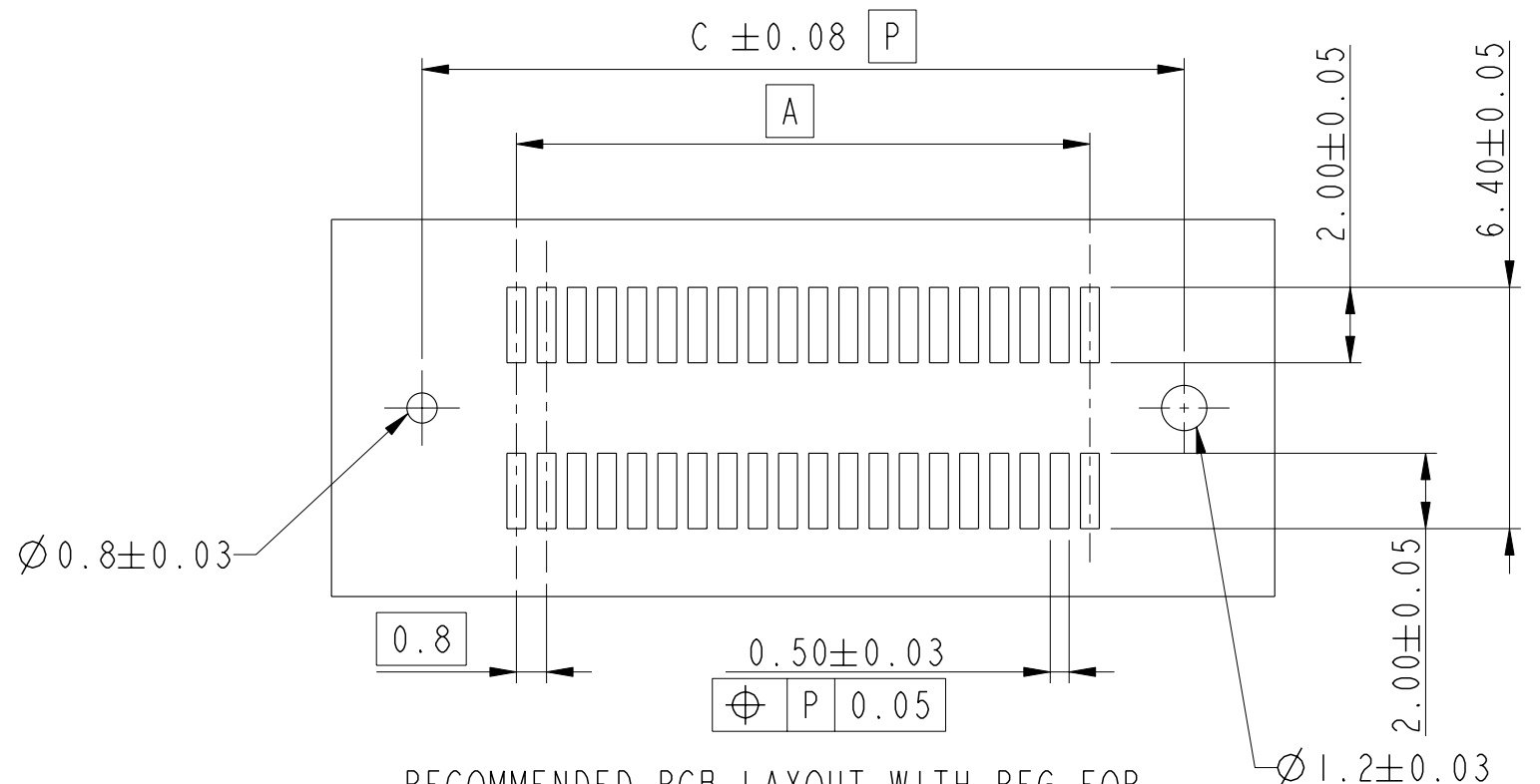
FOR PLUG 1/2/3/4



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

spec ref				dr	MAGGIE WU	1999-03-24	projection	mm	size	A3	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	YU WEN CHU	1999-03-24			ecn no	S10-0210			
				chr	M CHEONG	2010-09-29							
				appr	JOEY NG	2010-09-29							
ISO 406				product family			BERGSTAK	-	rel level		RELEASE		
ISO 1101													
surface	linear	0.X	±0.2		title	BERGSTAK 0.8mm BTB			dwg no	61083		rev	AC
		0.XX	±0.15										
		0.XXX	±0.10										
	ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	CUSTOMER			sheet 6 of 6		