61083- AA B C D E G FF

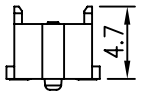
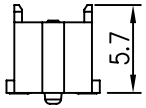
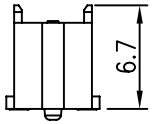
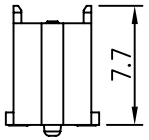
AA	NO. OF POSITIONS
02	2X10
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

NOTE 10

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

E	PACKAGING	
0	TUBE WITHOUT METAL CAP	
2	T&R WITH METAL CAP	NOTE 10
9	TUBE WITH METAL CAP	NOTE 10
6	T&R WITHOUT METAL CAP (WITH KAPTON TAPE)	NOTE 11
7	T&R WITH PLASTIC CAP	NOTE 10

B

1	2	3	4
			
4.7	5.7	6.7	7.7

FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 61082

D	FEATURE	HOLD DOWN
0	YES	NO
2	NO	NO

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.

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

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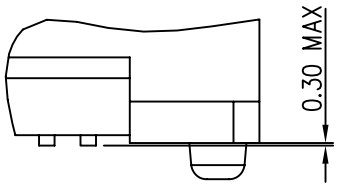
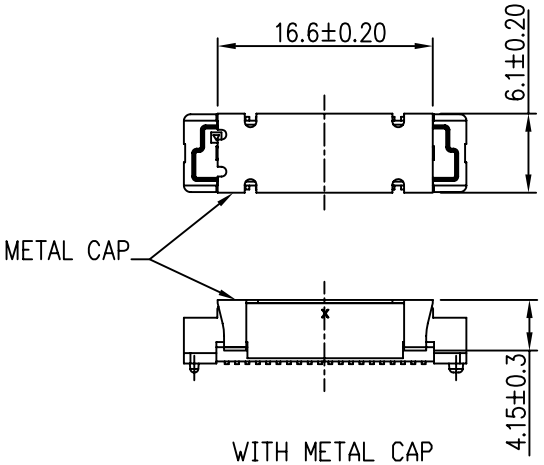
spec ref			dr	Guomin Sun	2014-10-21	projection	mm	size A3 / scale 3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Guomin Sun	2014-10-21			ecn no
			chr	ZK Hu	2014-10-21			
			appr	Feagle Pan	2014-10-21	product family	Bergstak –	rel level RELEASE
surface		linear 0.X	±0.2	www.fci.com		title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

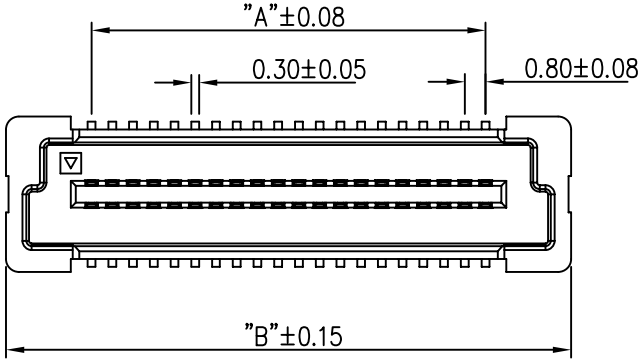


COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL A
SCALE 10:1



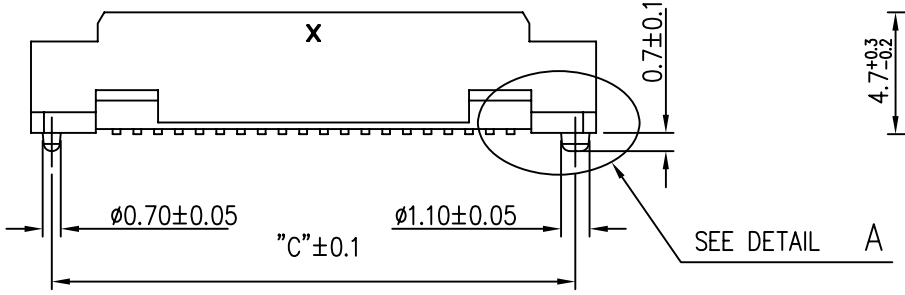
WITH METAL CAP

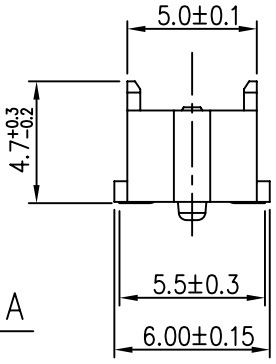


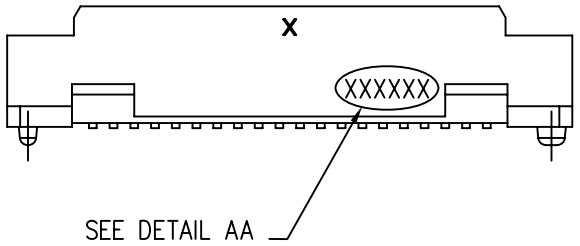
DATE CODE: XXXXXX

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

DETAIL AA







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				
appr	Feagle Pan	2014-10-21	product family	Bergstak	rel level	RELEASE
	title: BERGSTAK 0.8mm BTB PLUG ASSY			dwg no: 61083		rev AG
www.fci.com	cat. no. -		Product - Customer drw			sheet 2 of 6

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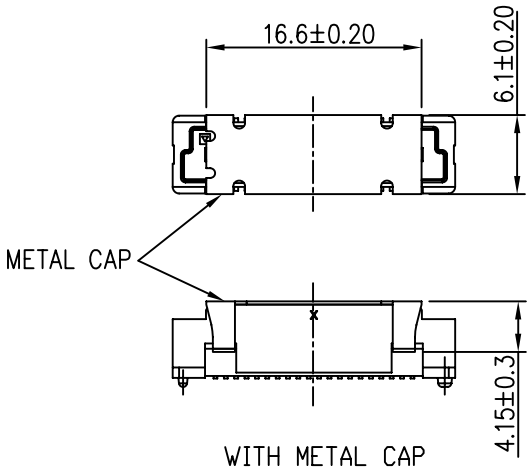
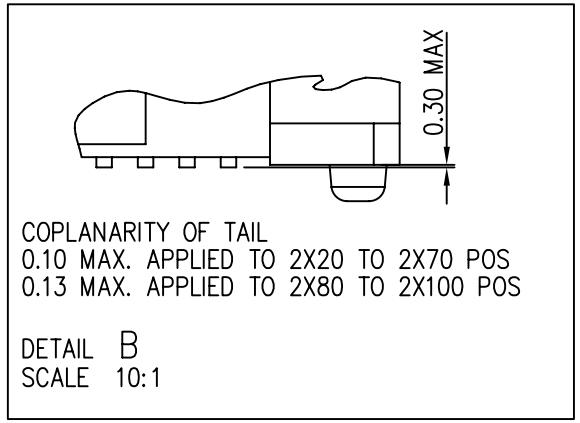
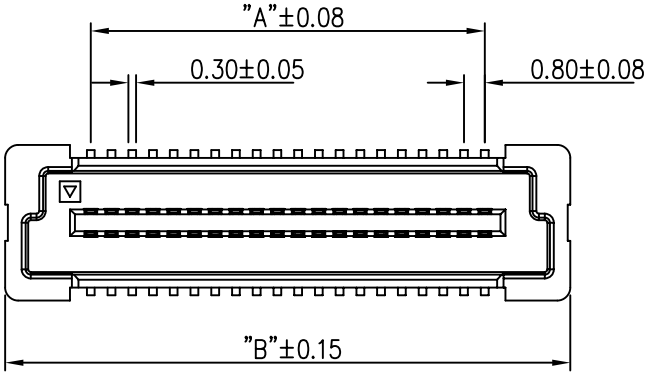
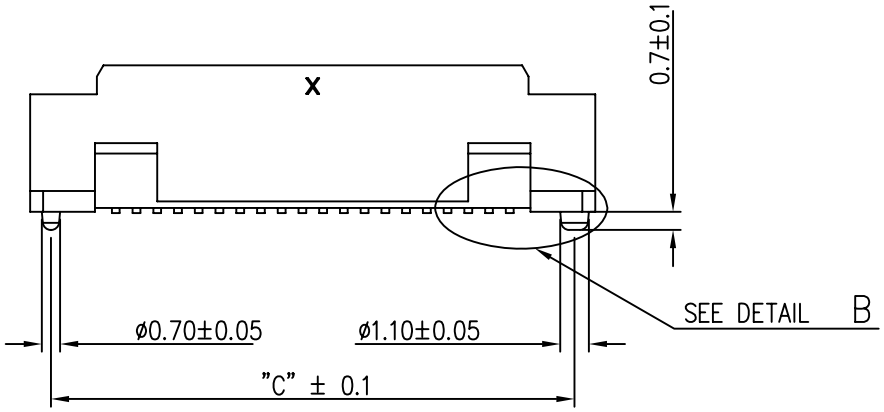
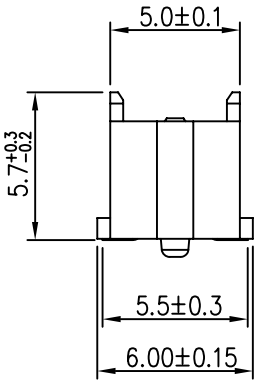
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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

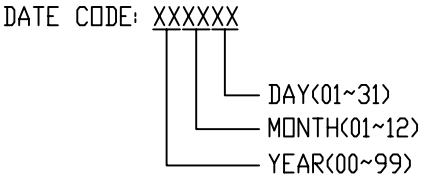




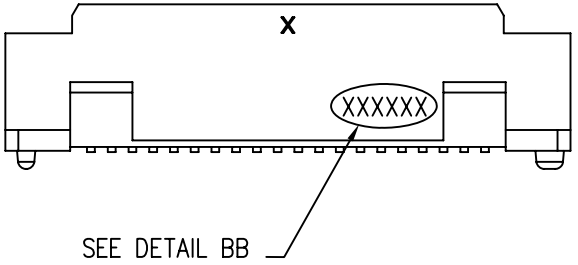








DETAIL BB



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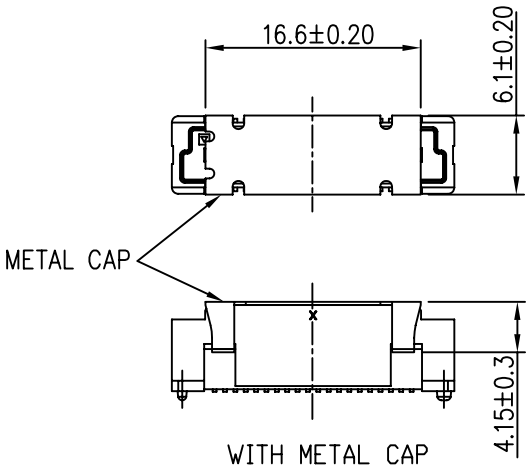
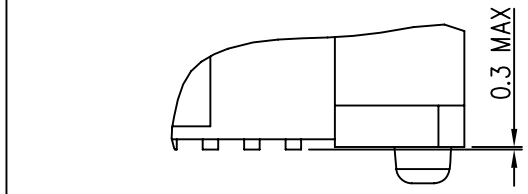
PLUG 2

dr	Guomin Sun	2014-10-21	projection	mm	size A3	scale 3:1
eng	Guomin Sun	2014-10-21				
chr	ZK Hu	2014-10-21			ecn no	
appr	Feagle Pan	2014-10-21	product family	Bergstak	rel level	RELEASE

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

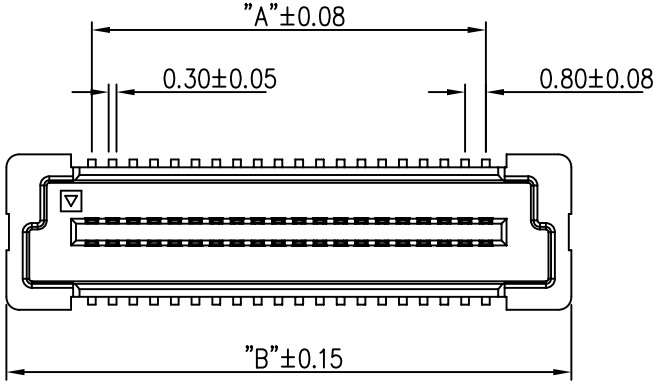
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	2X80	63.2	69.8	68.2
61083-183***	2X90	71.2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

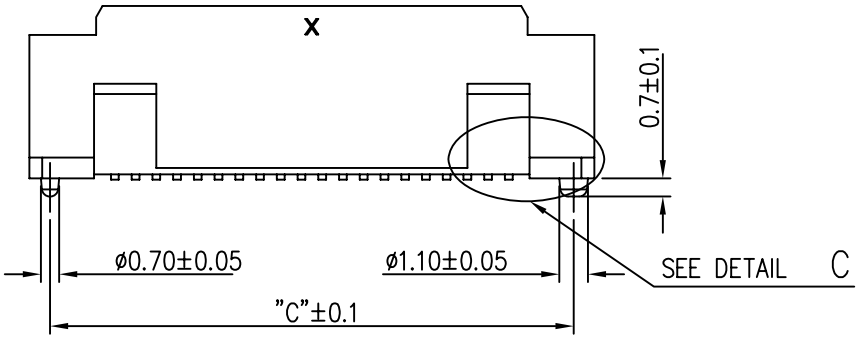


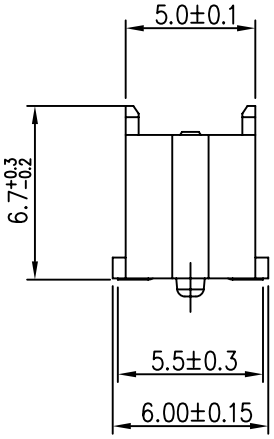


COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C
SCALE 10:1

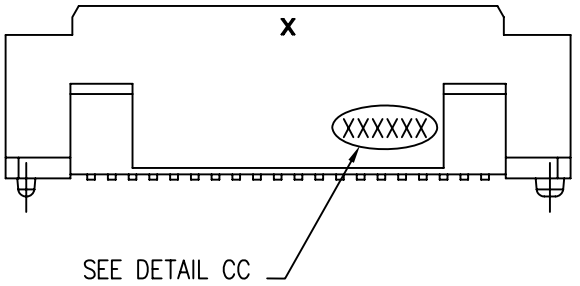






DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

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				
appr	Feagle Pan	2014-10-21	product family	Bergstak –	rel level	RELEASE

FCI	title: BERGSTAK 0.8mm BTB PLUG ASSY	dwg no 61083	rev AG
www.fci.com	cat. no. –	Product – Customer drw	sheet 4 of 6

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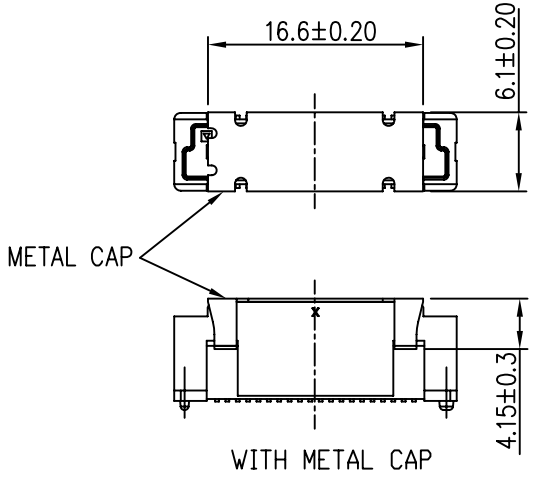
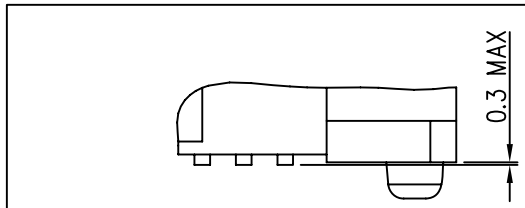
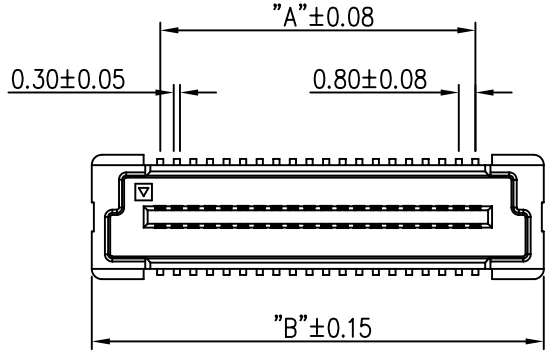
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-044***	2X20	15.2	21.8	20.2
61083-064***	2X30	23.2	29.8	28.2
61083-084***	2X40	31.2	37.8	36.2
61083-104***	2X50	39.2	45.8	44.2
61083-124***	2X60	47.2	53.8	52.2
61083-144***	2X70	55.2	61.8	60.2
61083-164***	2X80	63.2	69.8	68.2
61083-184***	2X90	71.2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

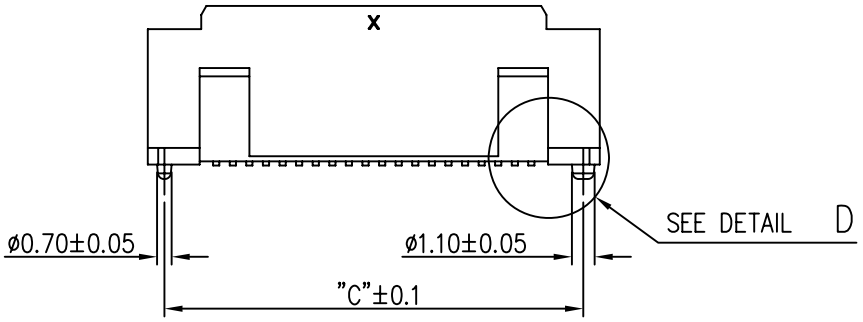


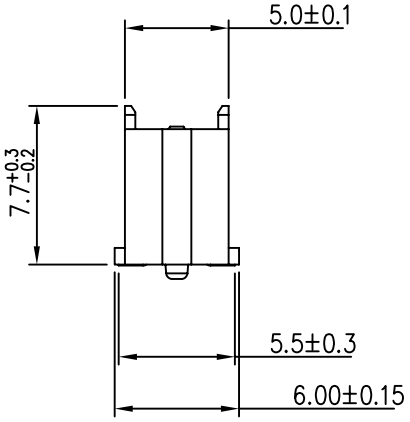


COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL D
SCALE 10:1

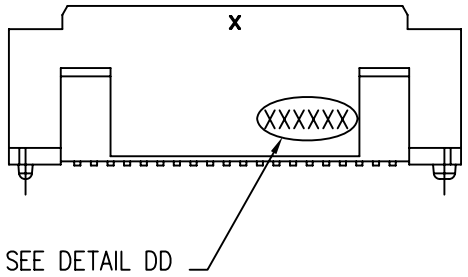






DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

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

FCI	title: BERGSTAK 0.8mm BTB PLUG ASSY	dwg no: 61083	rev: AG
www.fci.com	cat. no. –	Product – Customer drw	sheet 5 of 6

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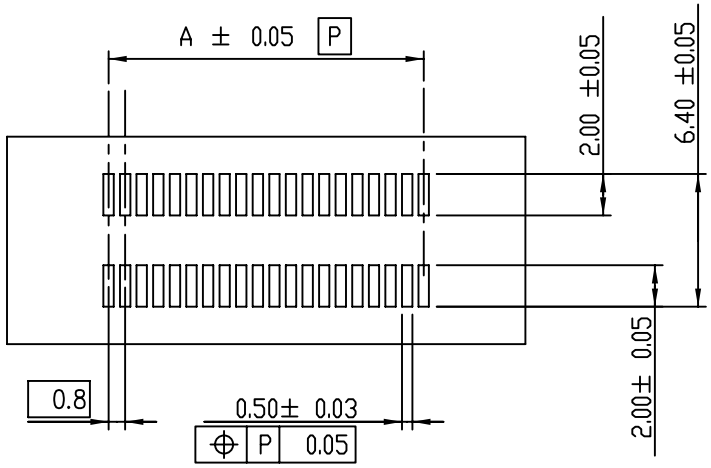
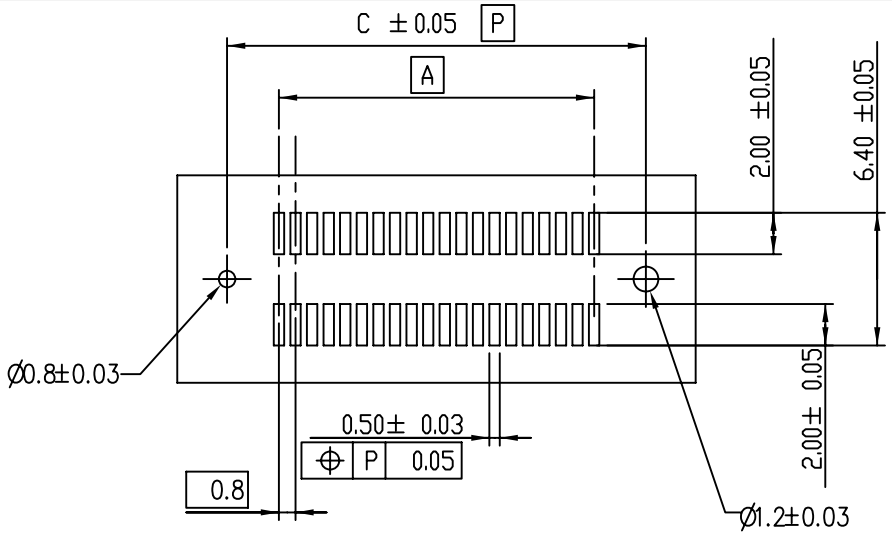
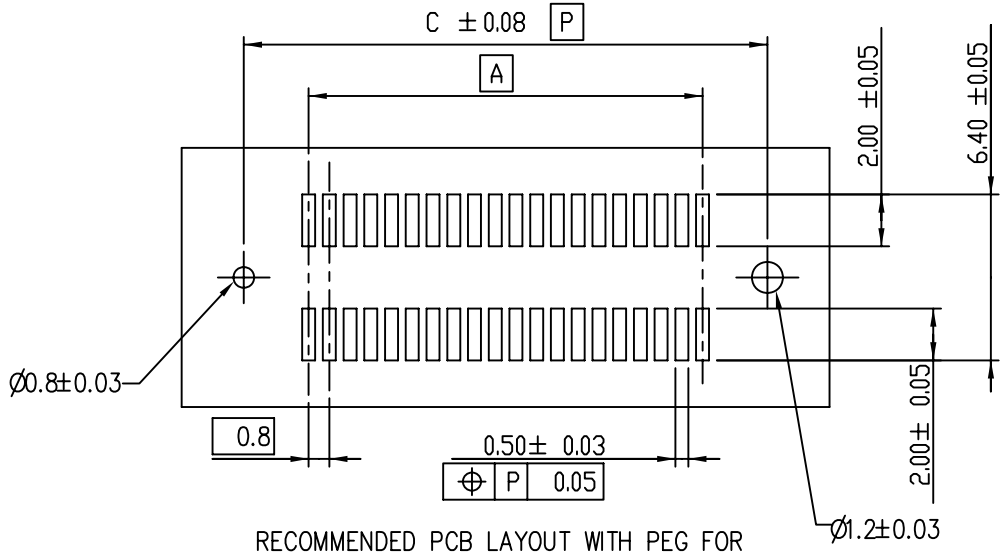
FOR PLUG 1/2/3/4



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

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

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