

1		2		3		4	
61083-AA		B C D E G FF					
A		AA		NO. OF POSITIONS		NOTE 10	
		02		2X10			
		04		2X20			
		06		2X30			
		08		2X40			
		10		2X50			
		12		2X60			
		14		2X70			
		16		2X80			
		18		2X90			
		20		2X100			
B		1		2		3	
		4					
		4.7		5.7		6.7	
		7.7					
		FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 61082					
		G		DATE CODE			
		/		NOT PRINT DATE CODE			
		P		PRINT DATE CODE			
		E		PACKAGING			
		0		TUBE WITHOUT METAL CAP		NOTE 10	
		2		T&R WITH METAL CAP		NOTE 10	
		9		TUBE WITH METAL CAP		NOTE 11	
		6		T&R WITHOUT METAL CAP (WITH KAPTON TAPE)		NOTE 10	
		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	
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.					
D		spec ref		dr		Guomin Sun	
		tolerance std		eng		Guomin Sun	
		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		ZK Hu	
				appr		Feagle Pan	
		surface		projection		mm	
		linear		0.X		±0.2	
				0.XX		±0.15	
				0.XXX		±0.10	
		angular		0°		±2°	
		www.fci.com		cat. no.		-	
		Product		Customer		dwg no	
		61083		rev		AG	
		sheet 1 of 6					
1		2		3		4	
PDS: Rev :AG		STATUS:Released		Printed: Nov 05, 2014			

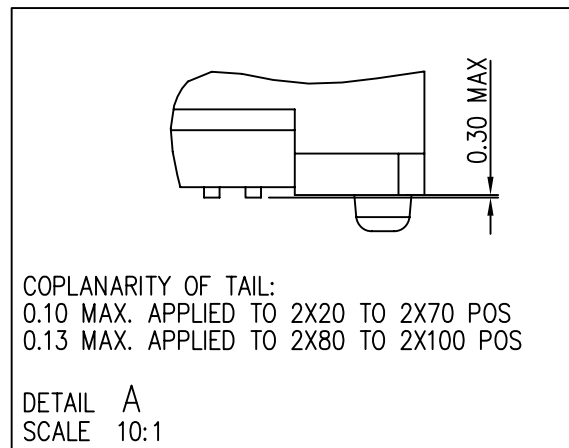
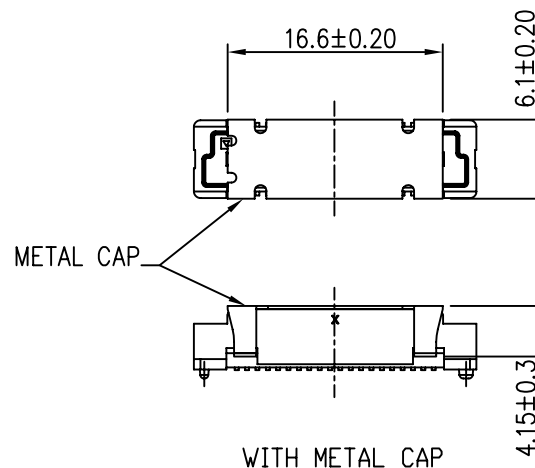
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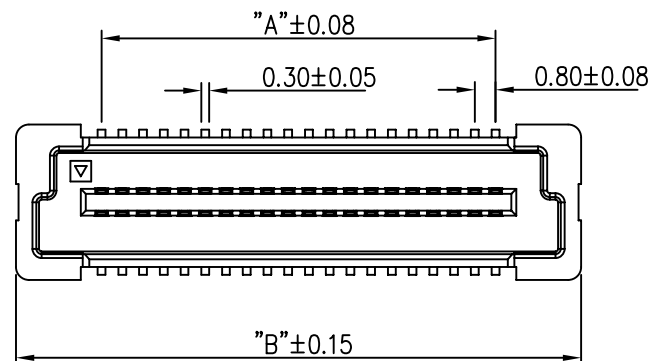
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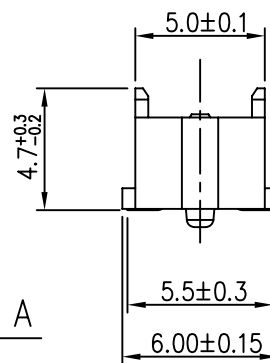
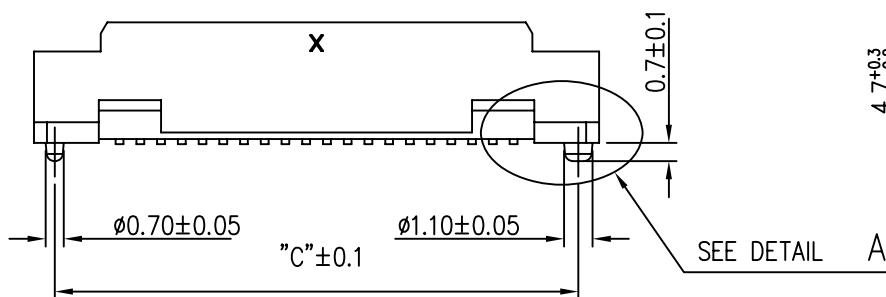
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2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



B



C



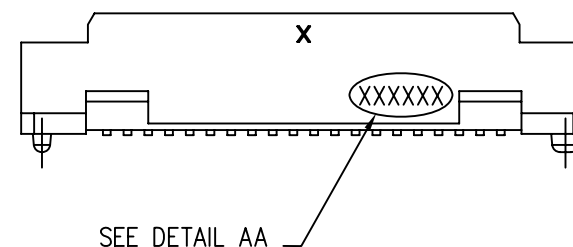
DATE CODE: XXXXXX

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			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

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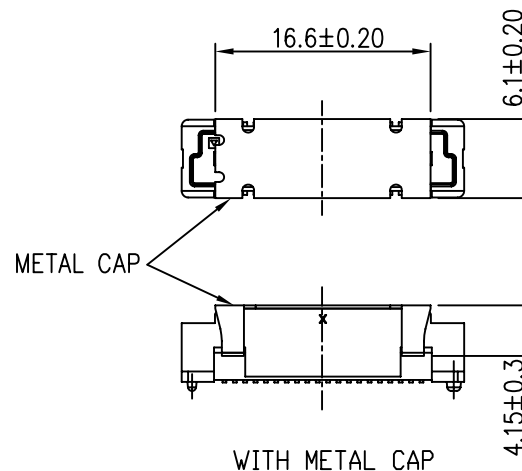
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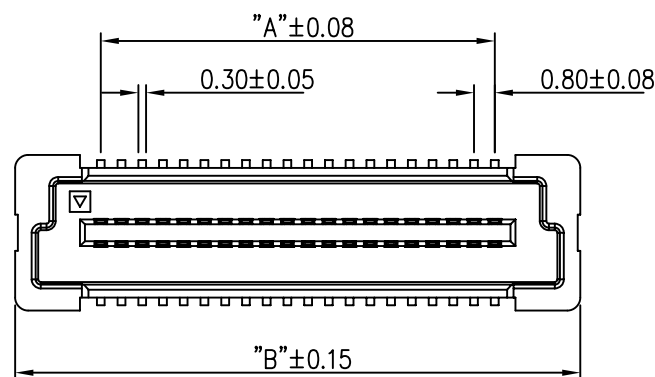
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PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	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



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

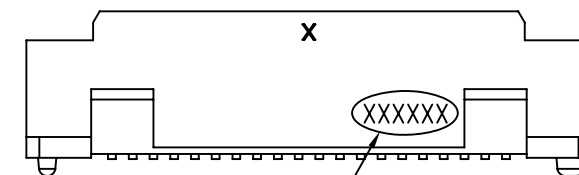
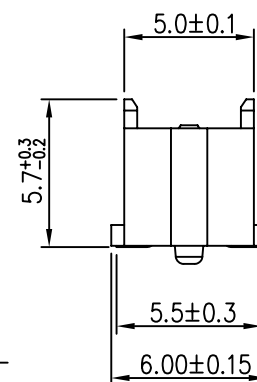
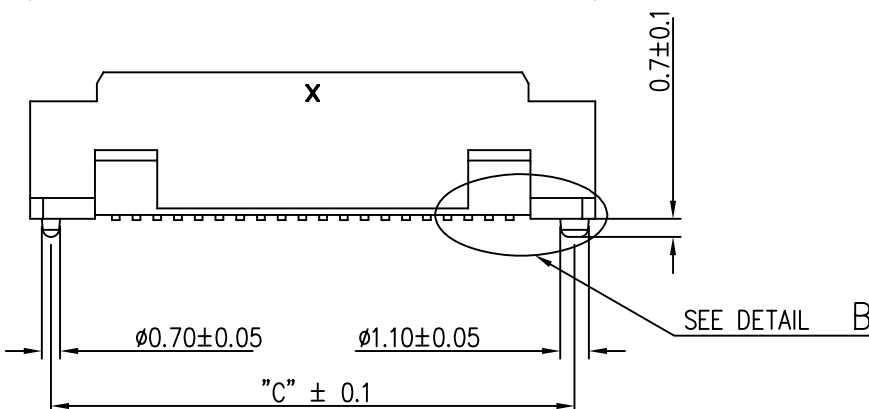
DETAIL B
SCALE 10:1



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			ecr 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 3 of 6
								rev
								AG

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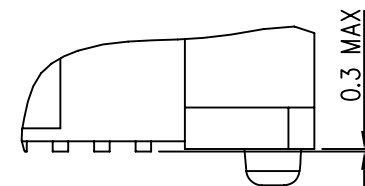
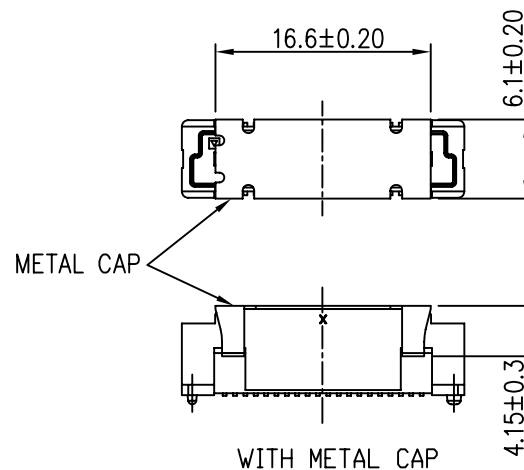
1

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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



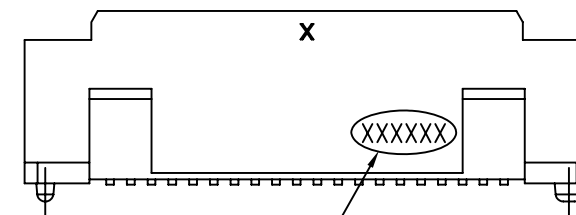
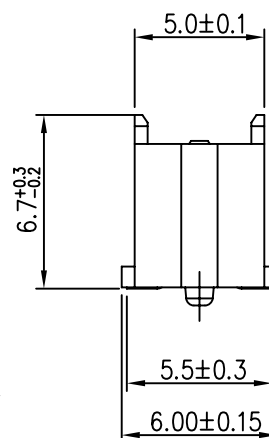
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL CC



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			

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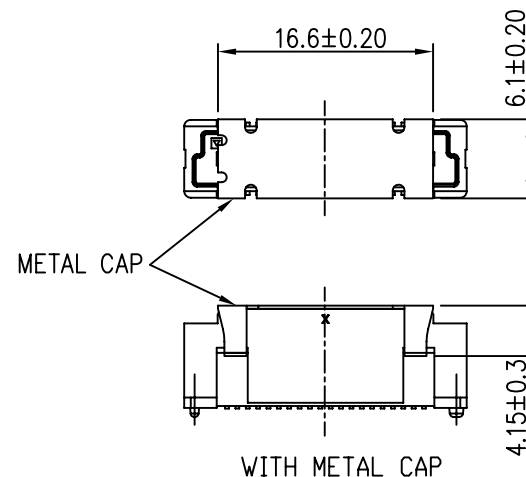
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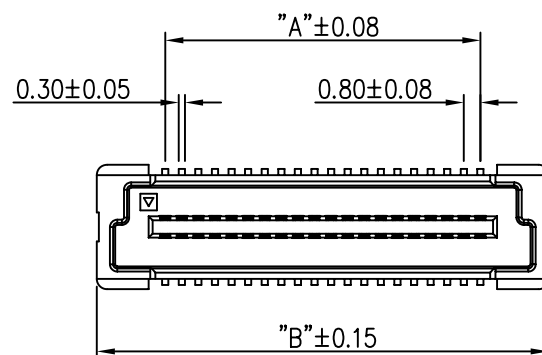
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PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-044***	2X20	15.2	21.8	20.2
61083-064***	2X30	23.2	29.8	28.2
61083-084***	2X40	31.2	37.8	36.2
61083-104***	2X50	39.2	45.8	44.2
61083-124***	2X60	47.2	53.8	52.2
61083-144***	2X70	55.2	61.8	60.2
61083-164***	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



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

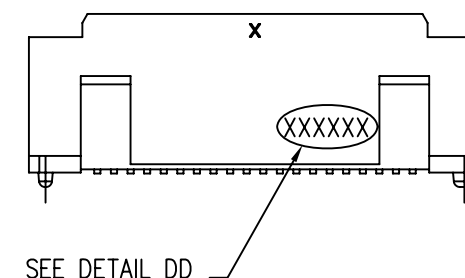
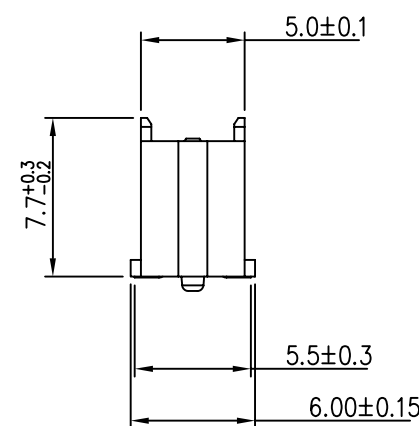
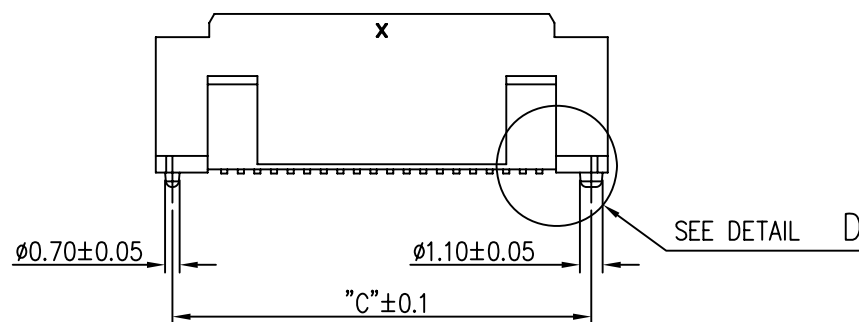
DETAIL D
SCALE 10:1



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			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

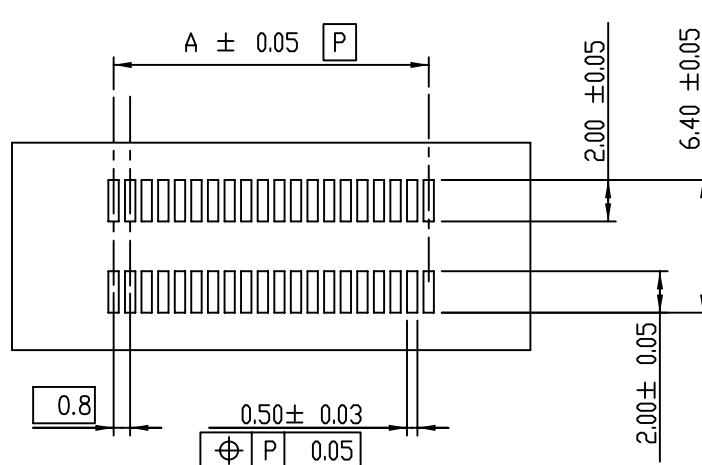
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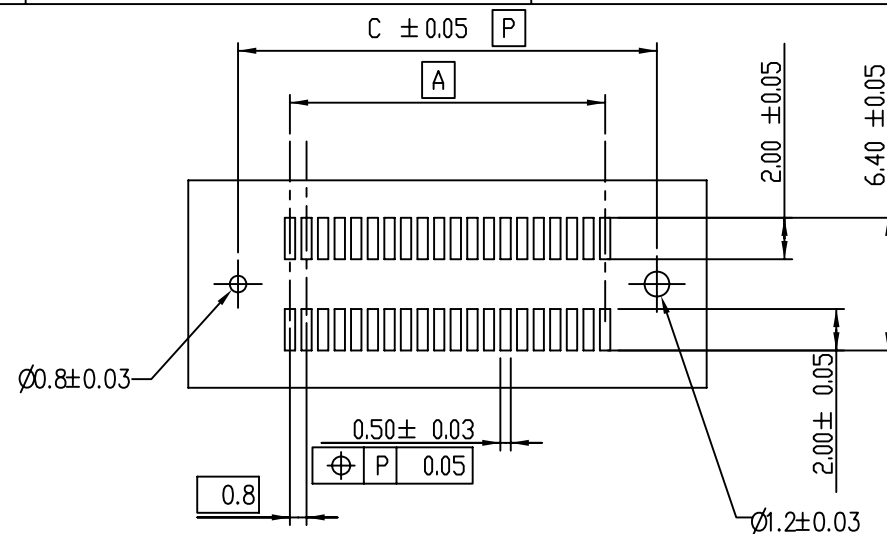
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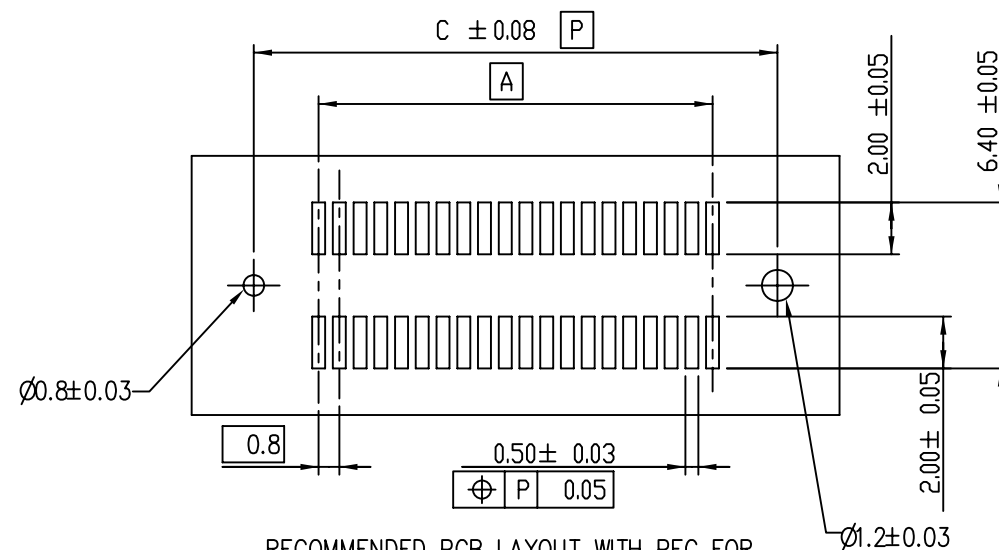
FOR PLUG 1/2/3/4



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			
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	
www.fci.com		cat. no.			PLUG ASSY		61083	
					Product - Customer drw		rev	
							AG	