

10140607-

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 7

B			
1	2	3	4
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
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 7

NOTE 7

NOTE 8

NOTE 7

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-12-1392 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.

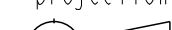
6. THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260° PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

7. POSITION 2X10 TYPE ONLY APPLY TO PLUG 1.

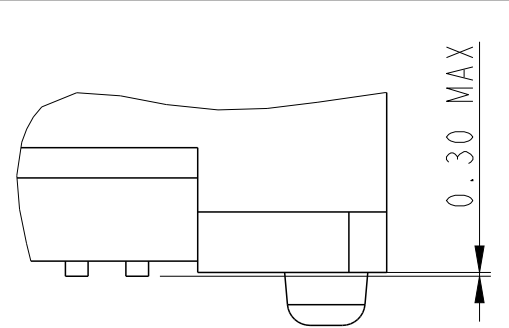
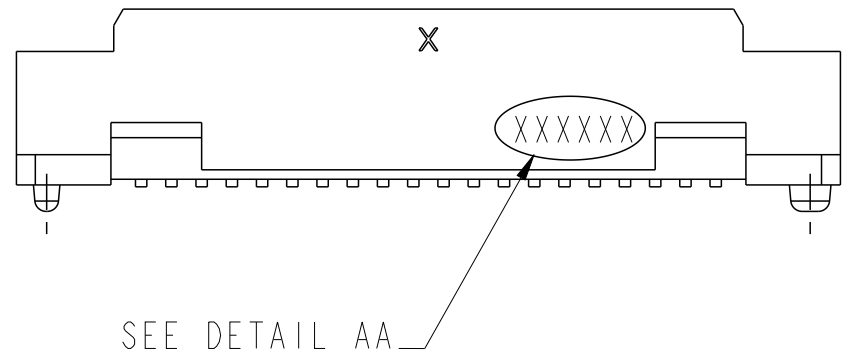
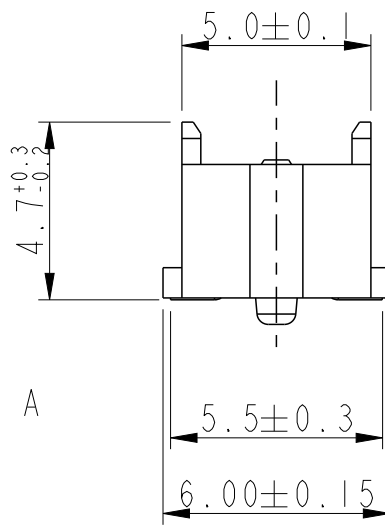
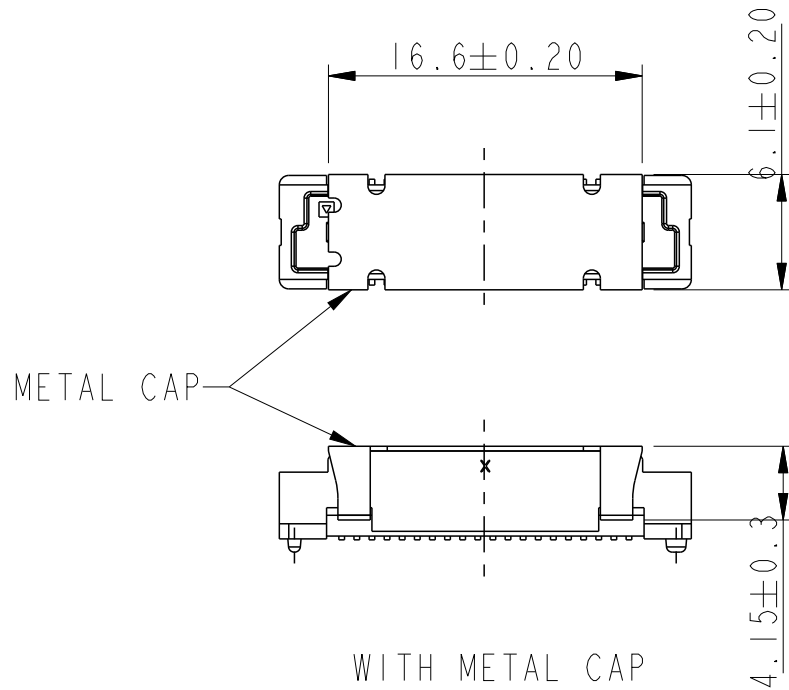
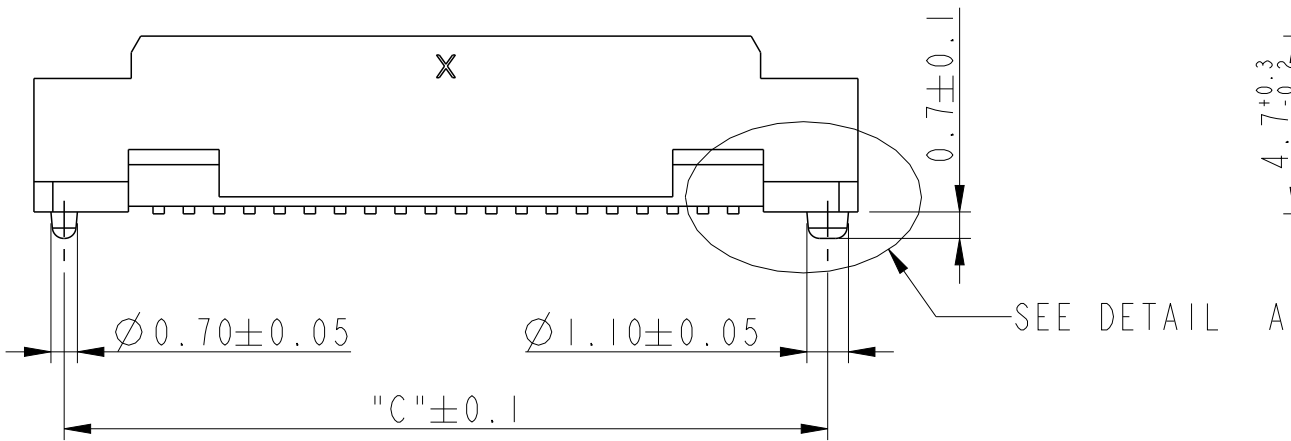
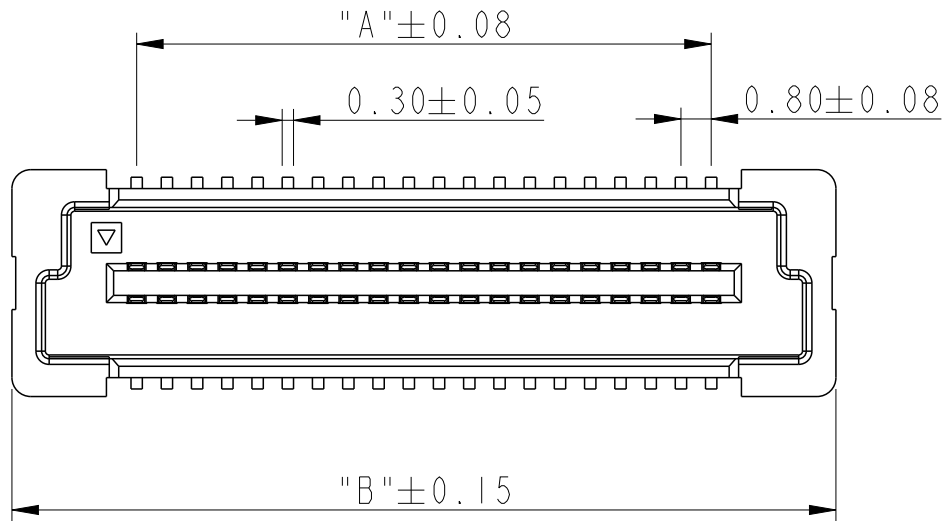
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.

8. 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 OVER PALLADIUM-NICKEL 0.69um MIN / TIN LEAD 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN / MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	LF
5	GOLD 0.38um MIN / MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
6	GOLD FLASH OVER PALLADIUM-NICKEL 69um MIN / MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	LF
8	GOLD 0.05um MIN / MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.)	LF

spec ref -				dr Eric Huang		2016/08/08				size A3		scale 1:1	
tolerance std				eng Alan Ni		2024/02/19				ecn no ELX-N-50750-1			
ISO 406 ISO 1101				chr -		-				rel level Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Tim Yao		2024/03/11				product family -			
 surface ISO 1302		linear	0.X	±0.3		title BERGSTAK 0.80 PLUG ASSY				dwg no 10140607		rev E	
			0.XX	±0.15									
			0.XXX	±0.08									
		angular	0°	±2°									

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10140607-021***	2X10	7.2	13.8	12.2
10140607-041***	2X20	15.2	21.8	20.2
10140607-061***	2X30	23.2	29.8	28.2
10140607-081***	2X40	31.2	37.8	36.2
10140607-101***	2X50	39.2	45.8	44.2
10140607-121***	2X60	47.2	53.8	52.2
10140607-141***	2X70	55.2	61.8	60.2
10140607-161***	2X80	63.2	69.8	68.2
10140607-181***	2X90	71.2	77.8	76.2
10140607-201***	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

DATE CODE: XXXXXX

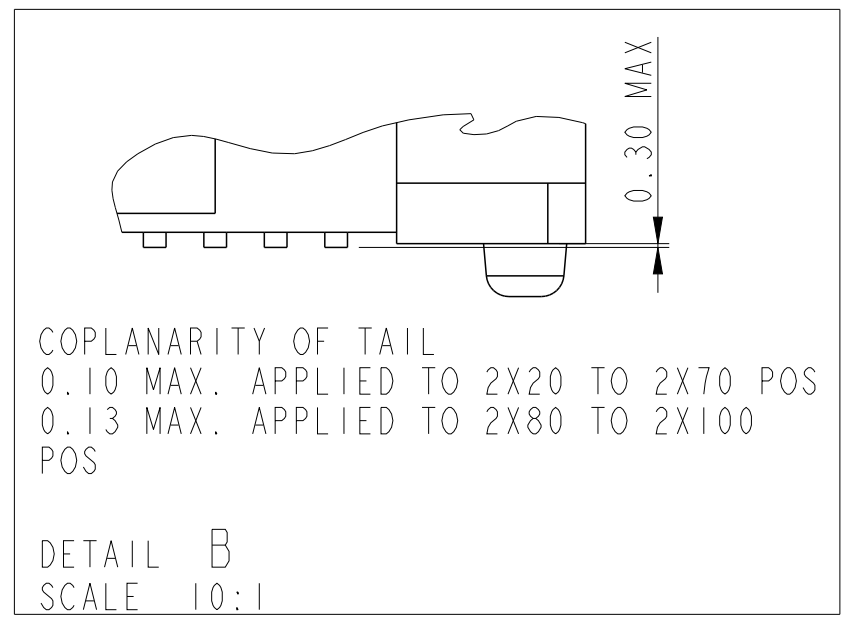
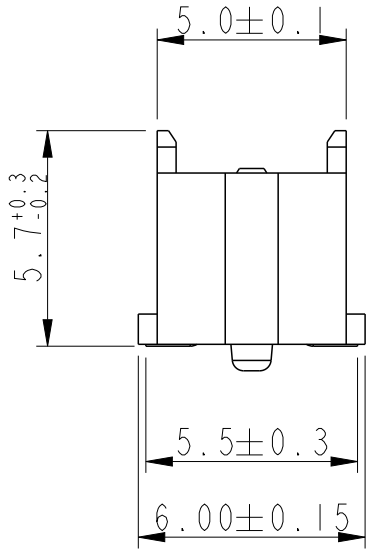
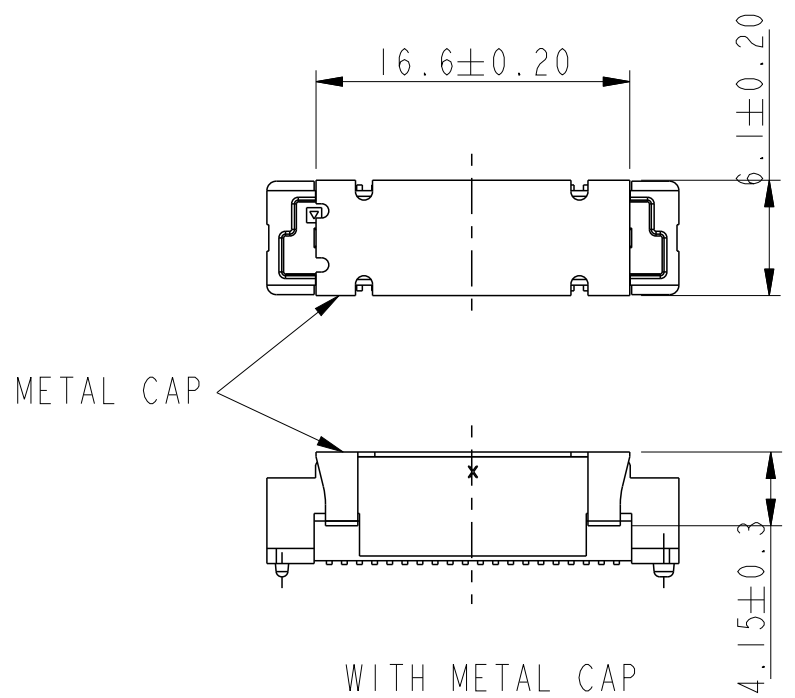
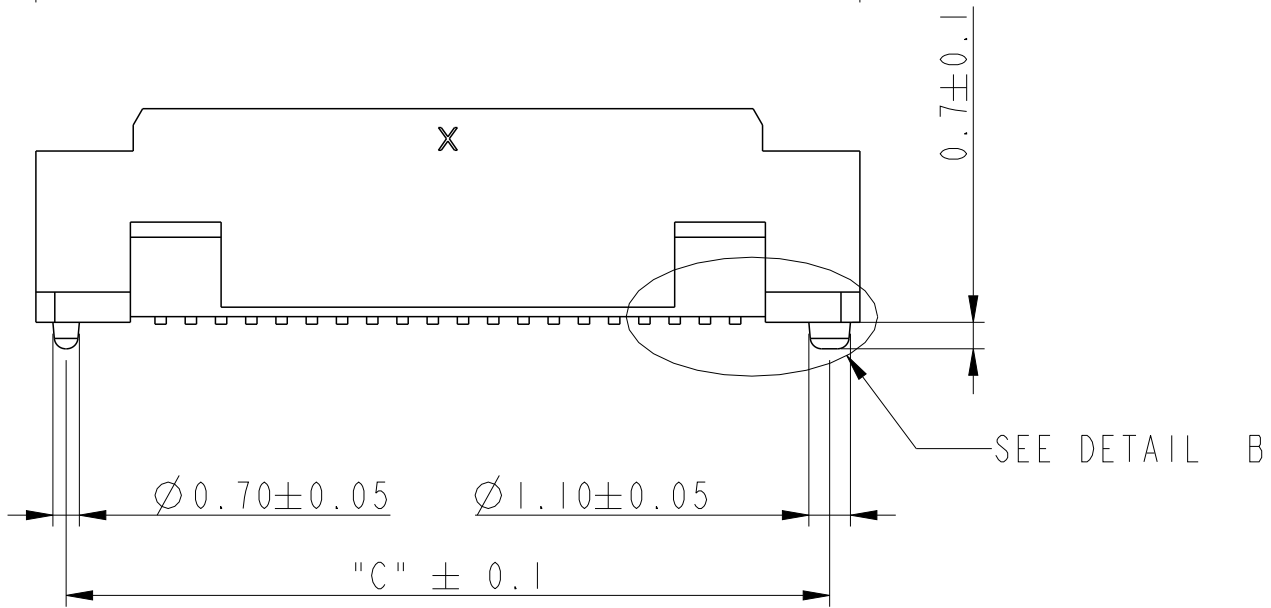
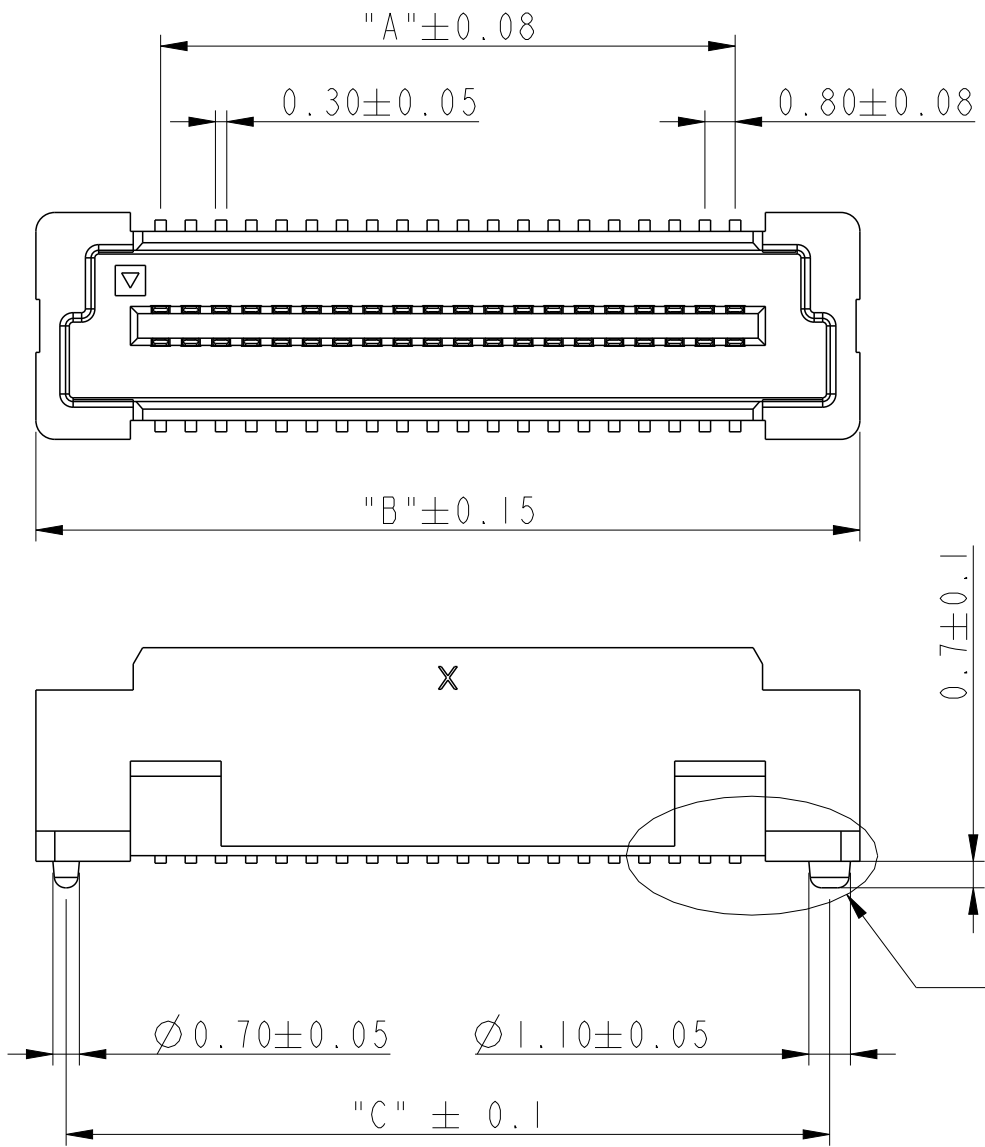
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL AA

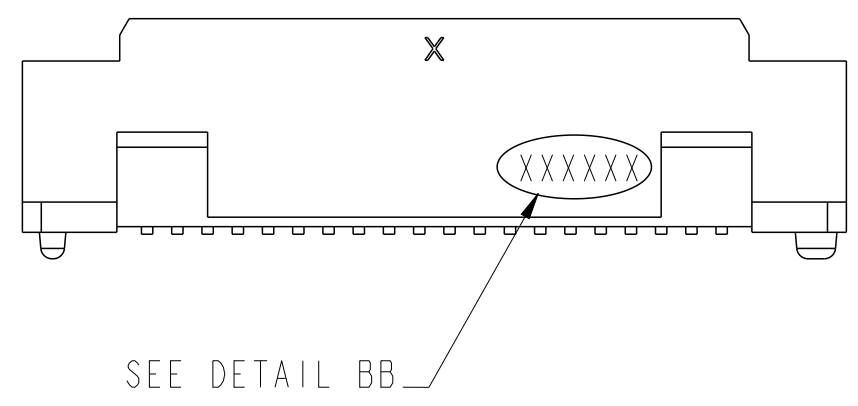
PLUG I

spec ref	-	dr	Eric Huang	2016/08/08	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Alan Ni	2024/02/19	chr	-	ecn no	ELX-N-50750-1	rel level	Released
surface	linear	appr	Tim Yao	2024/03/11	product family	BERGSTAK 0.80 PLUG ASSY	dwg no	10140607	rev	E
ISO 1302	angular	cat. no.	Product - Customer Drw	sheet 2 of 6						

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10140607-042***	2X20	15.2	21.8	20.2
10140607-062***	2X30	23.2	29.8	28.2
10140607-082***	2X40	31.2	37.8	36.2
10140607-102***	2X50	39.2	45.8	44.2
10140607-122***	2X60	47.2	53.8	52.2
10140607-142***	2X70	55.2	61.8	60.2
10140607-162***	2X80	63.2	69.8	68.2
10140607-182***	2X90	71.2	77.8	76.2
10140607-202***	2X100	79.2	85.8	84.2



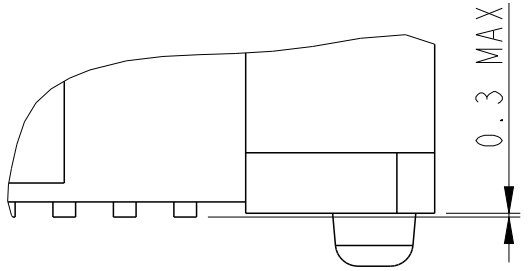
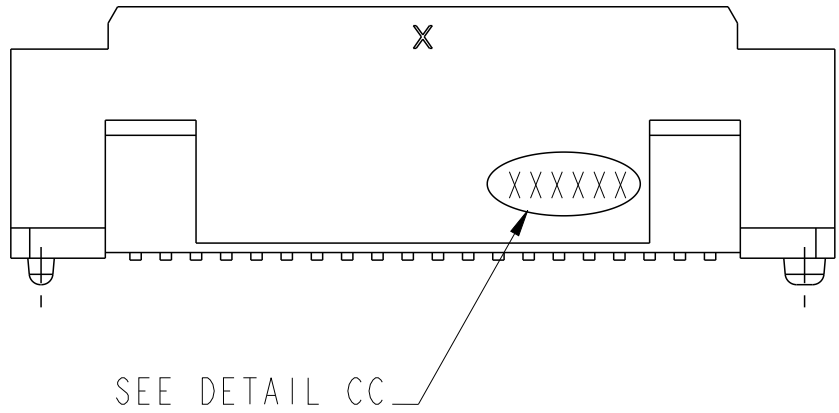
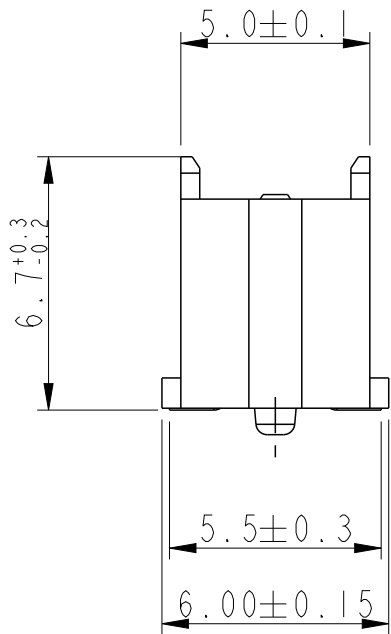
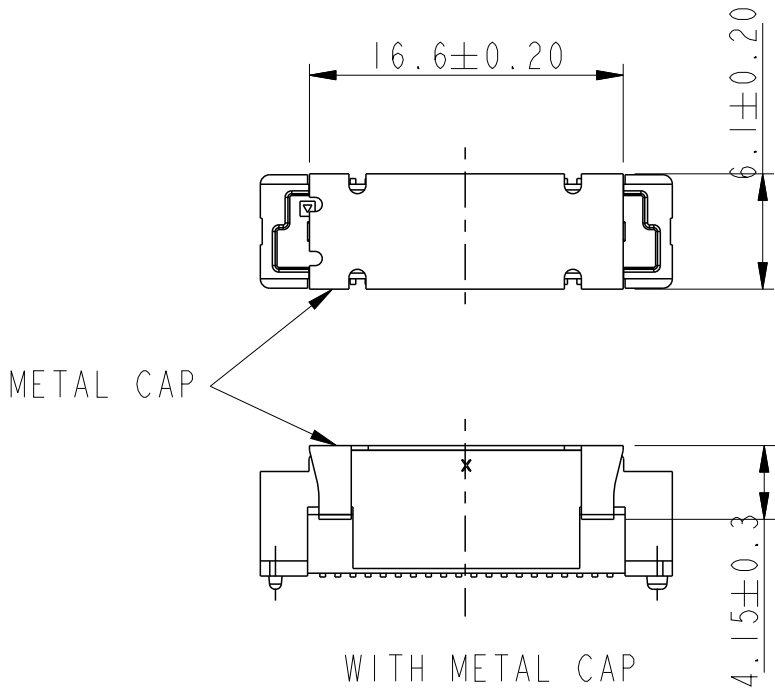
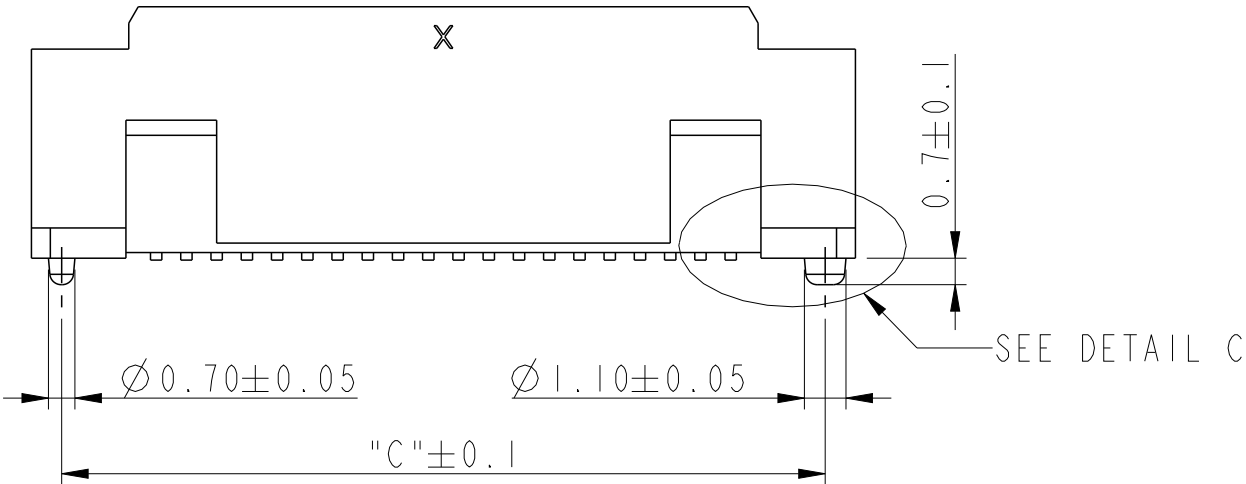
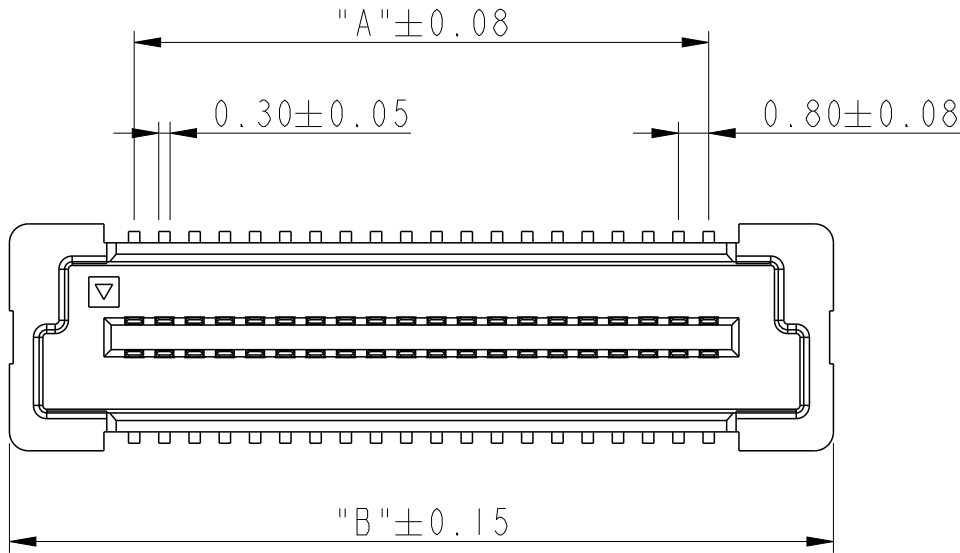
DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)
DETAIL BB



PLUG 2

spec ref	-	dr	Eric Huang	2016/08/08	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Alan Ni	2024/02/19	chr	-	ecn no	ELX-N-50750-1	rel level	Released
surface	linear	appr	Tim Yao	2024/03/11	product family	BERGSTAK 0.80 PLUG ASSY	dwg no	10140607	rev	E
ISO 1302	angular	cat. no.	Product - Customer Drw	sheet 3 of 6						

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10140607-043***	2X20	15.2	21.8	20.2
10140607-063***	2X30	23.2	29.8	28.2
10140607-083***	2X40	31.2	37.8	36.2
10140607-103***	2X50	39.2	45.8	44.2
10140607-123***	2X60	47.2	53.8	52.2
10140607-143***	2X70	55.2	61.8	60.2
10140607-163***	2X80	63.2	69.8	68.2
10140607-183***	2X90	71.2	77.8	76.2
10140607-203***	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

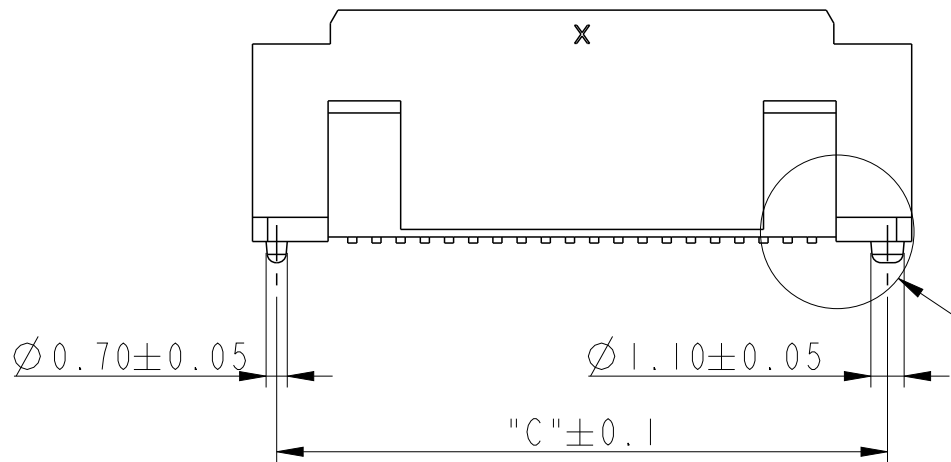
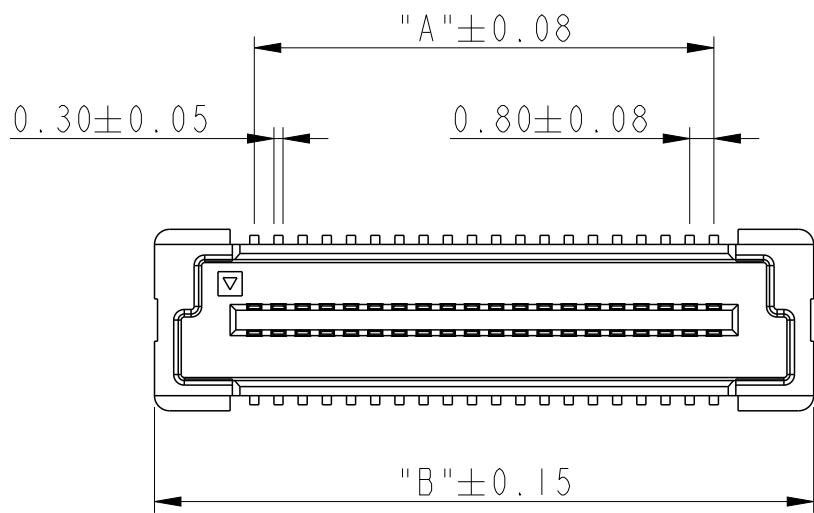
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL CC

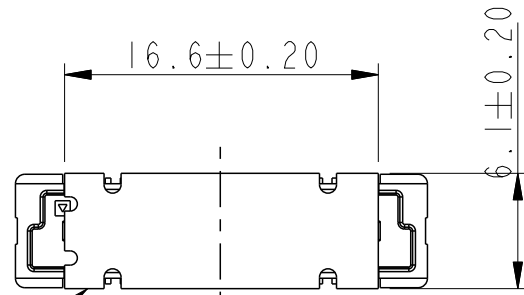
PLUG 3

spec ref	-	dr	Eric Huang	2016/08/08	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Alan Ni	2024/02/19	chr	-	ecn no	ELX-N-50750-1	rel level	Released
surface	linear	appr	Tim Yao	2024/03/11	product family	BERGSTAK 0.80 PLUG ASSY	dwg no	10140607	rev	E
ISO 1302	angular	cat. no.	Product - Customer Drw	sheet 4 of 6						

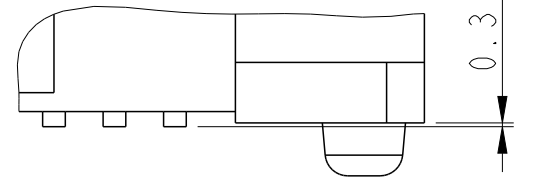
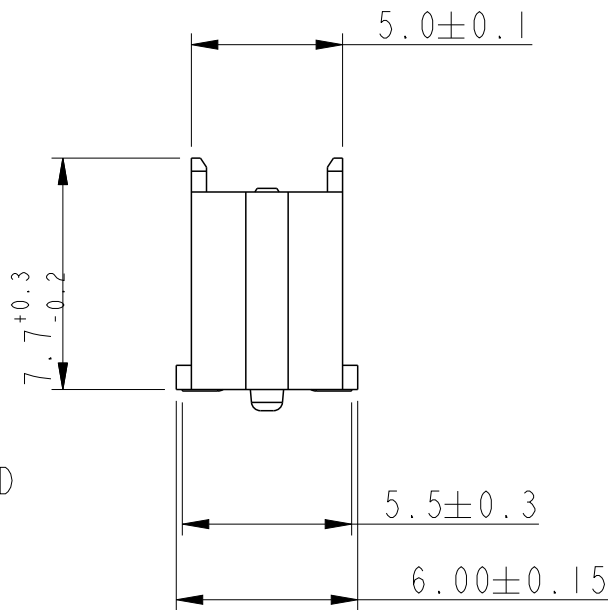
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10140607-044***	2X20	15.2	21.8	20.2
10140607-064***	2X30	23.2	29.8	28.2
10140607-084***	2X40	31.2	37.8	36.2
10140607-104***	2X50	39.2	45.8	44.2
10140607-124***	2X60	47.2	53.8	52.2
10140607-144***	2X70	55.2	61.8	60.2
10140607-164***	2X80	63.2	69.8	68.2
10140607-184***	2X90	71.2	77.8	76.2
10140607-204***	2X100	79.2	85.8	84.2



METAL CAP



WITH METAL CAP



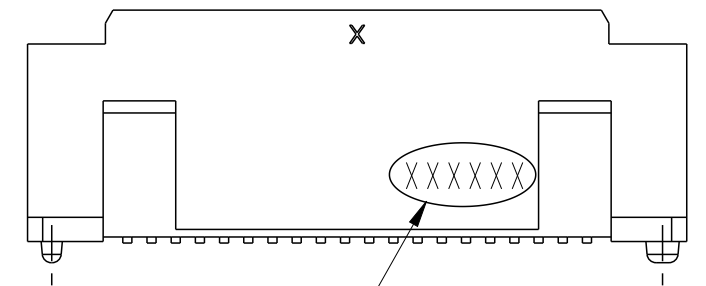
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL D
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL DD



SEE DETAIL DD

PLUG 4

spec ref	-	dr	Eric Huang	2016/08/08	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Alan Ni	2024/02/19	chr	-	ecn no	ELX-N-50750-1	rel level	Released
surface	linear	appr	Tim Yao	2024/03/11	product family	BERGSTAK 0.80 PLUG ASSY	dwg no	10140607	rev	E
ISO 1302	angular	0°	±2°	cat. no.	Product - Customer Drw	sheet 5 of 6				

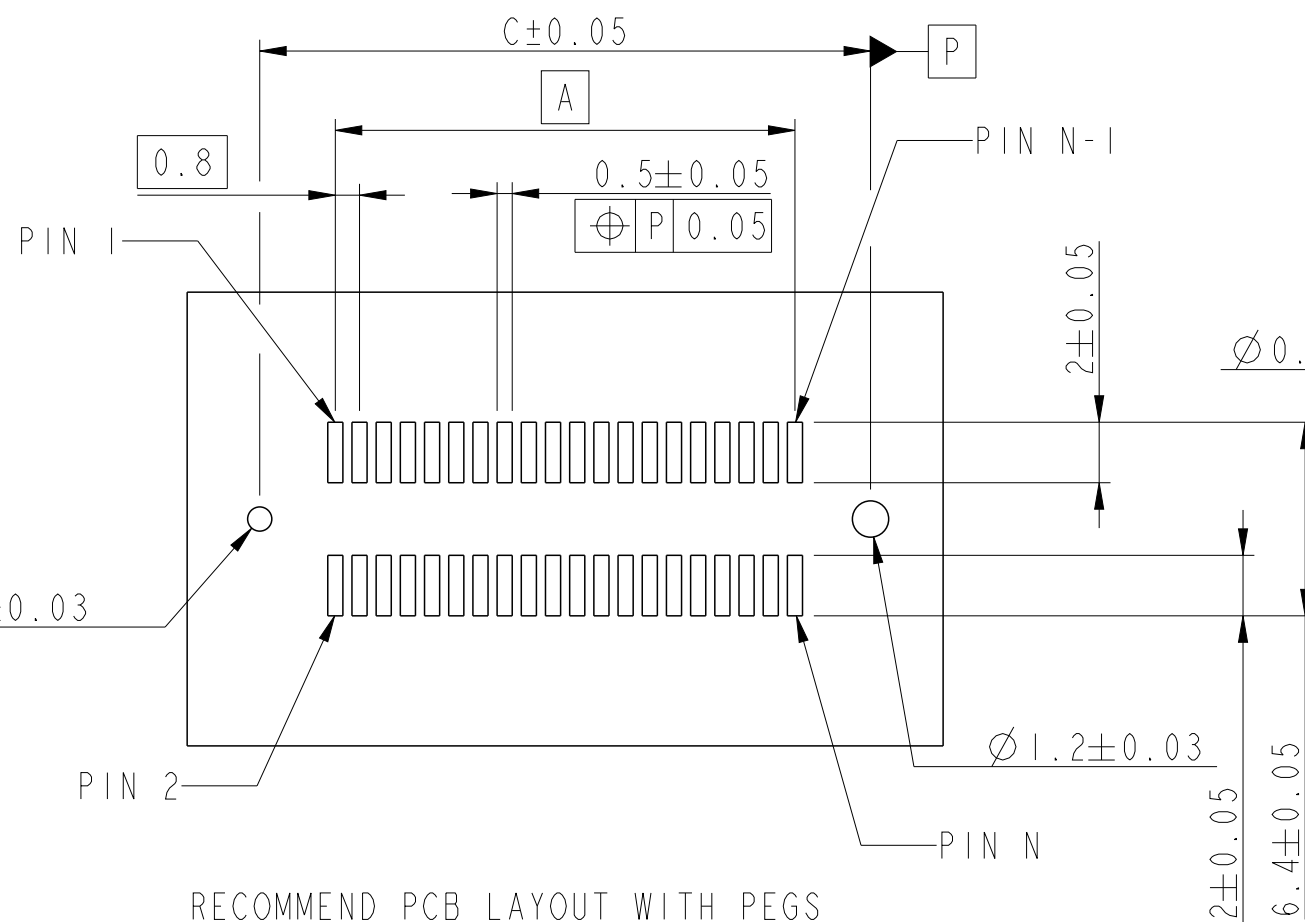
PLUG 1&2&3&4

A

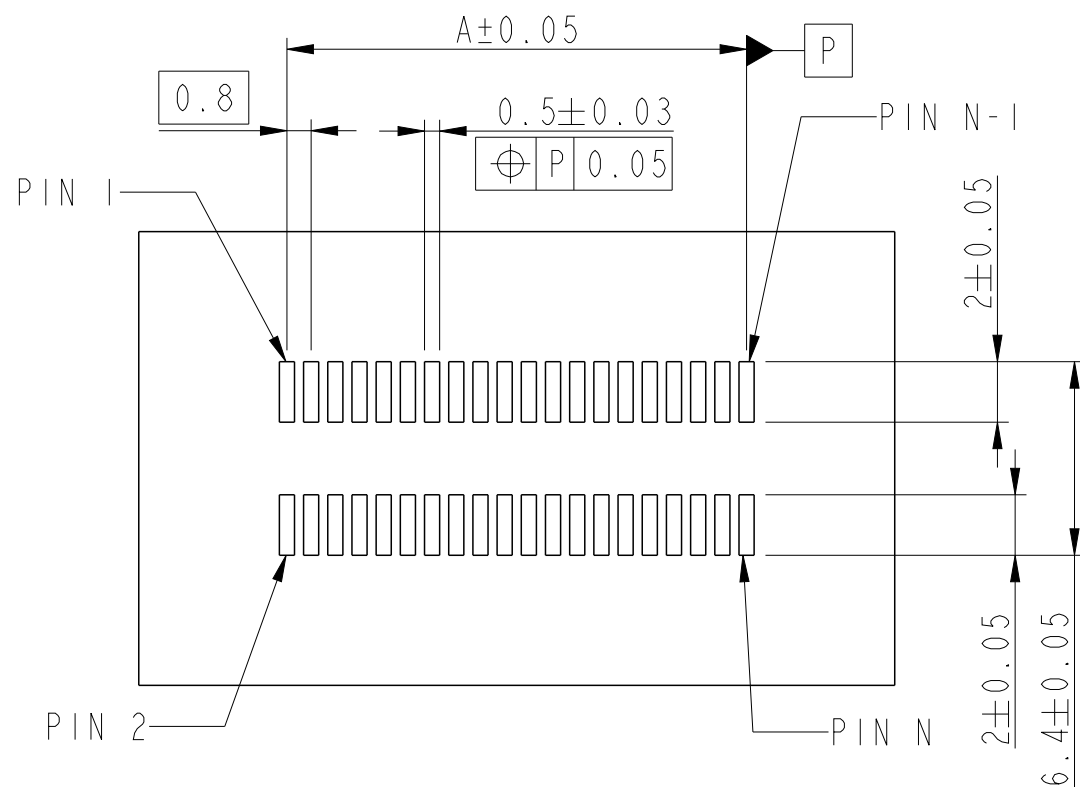
B

C

D



RECOMMEND PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X20,2X30,2X40,2X50,2X60



RECOMMEND PCB LAYOUT WITHOUT PEGS



3

3

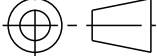
PDS: Rev :E

4

4

STATUS:Released

Printed: Mar 11, 2024

dr	Eric Huang	2016/08/08	projection 	mm 	size	A3	scale	4:1				
eng	Alan Ni	2024/02/19			ecn no	ELX-N-50750-1						
chr	-	-										
appr	Tim Yao	2024/03/11	product family		rel level	Released						
Amphenol FCI		title			BERGSTAK 0.80 PLUG ASSY		dwg no		10140607		rev	E
		cat. no.			Product - Customer Drw				sheet 6 of 6			