

10139781- AA B C D E G V F F

AA	POSITION
02	2X10
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

B	FOR PLUG, SEE DWG. NO.10139085	
COMBINATION OF MATED HEIGHT	Plug 1	Plug 4
Recep 1		
Recep 2		
Recep 3		
Recep 4		

G	PACKAGING
/	STANDARD, NOT PRINT DATE CODE
P	PRINT DATE CODE

E	PACKAGING
1	TRAY WITH METAL CAP
2	T&R WITH METAL CAP
Q	T&R WITHOUT CAP
6	T&R WITH KAPTON TAPE

D	POLARIZATION PEG
0	YES
2	NO

MANDATORY CODE	V
STNDARD, NOT MANDATORY P/N	/
ONLY FOR DEDICATED CUSTOMER	T

C	PLATING: CONTACT AREA / SOLDER TAIL AREA	FF
4	GOLD 0.2um MIN / PURE MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	LF
5	GOLD 0.38um MIN / MATT PURE TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
6	GOLD FLASH OVER PALLADIUM-NICKEL 0.69um/PURE MATT TIN NICKEL UNDERPLATE OVERALL 1.27um.	LF
D	GOLD 0.38um MIN / GOLD FLASH NICKEL UNDERPLATE OVERALL 1.27um MIN	LF

- NOTES:
- MATERIAL
HOUSING: LCP UL,NATURAL 94V-0
TERMINAL: COPPER ALLOY
 - PLATING: AS SHOWN IN TABLE.
 - PRODUCT SPEC PLEASE REFER TO GS-12-1354 .
 - SEE GS-15-551 AND GS-14-816 FOR THE DETAILS OF PACKAGING.
 - PACKAGING OPTION 2: "NOT ALL SIZES AVAILABLE; CHECK WITH FACTORY".
 - THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
 - THE HOUSING WITH WITHSTAND EXPOSURE UP TO 260° PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR REFLOW OVEN.
 - A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-	dr	Eric Huang	2016/08/02	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Bob Gu	2020/12/02	chr	-	ecn no	ELX-N-38183-1	rel level	Released
surface	linear	appr	Tim Yao	2020/12/04	product family	-	cat. no.	-	Product - Customer Drw	sheet 1 of 7
ISO 1302	angular	0°	±2°	Amphenol FCI	BERGSTAK+ 0.8mm	RECEPTACLE CONN	dwg no	10139781	rev	J

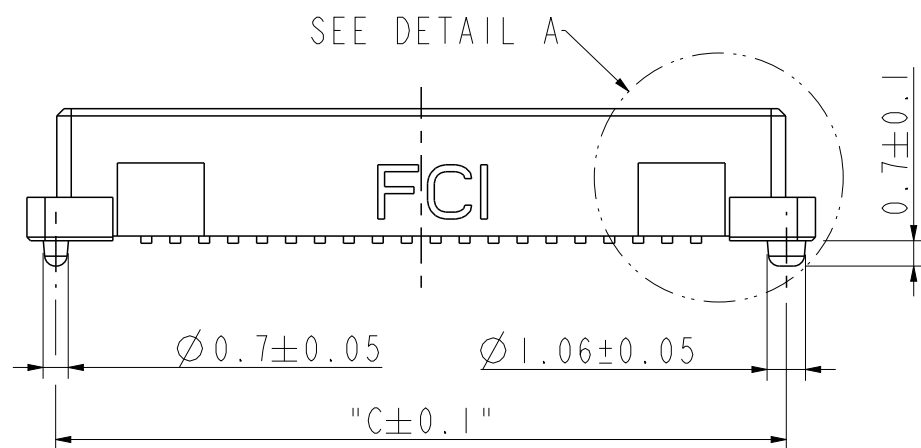
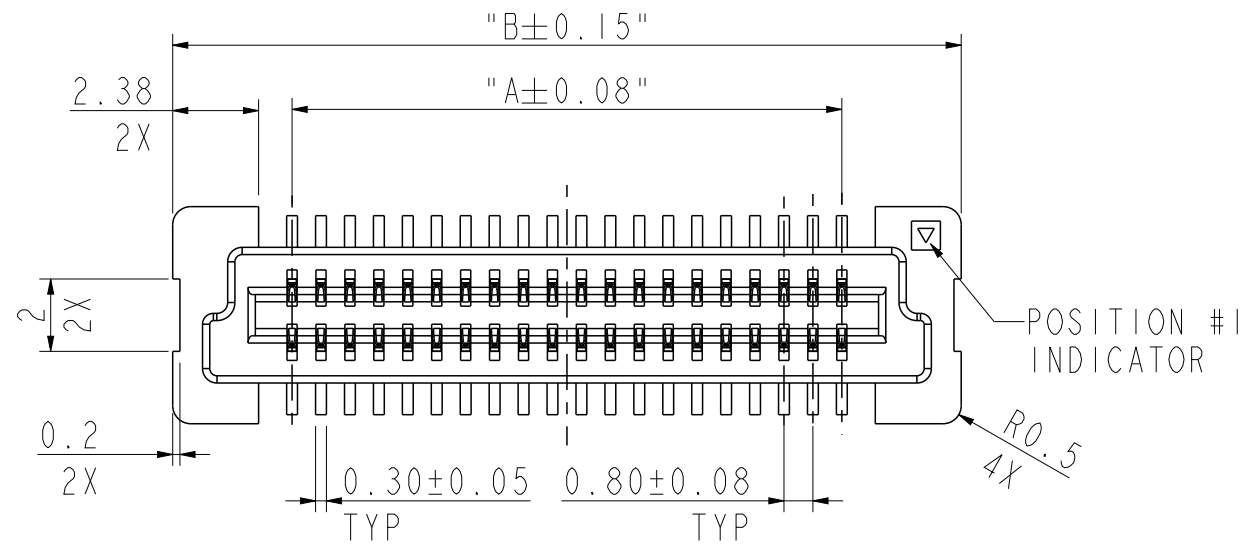
A

B

C

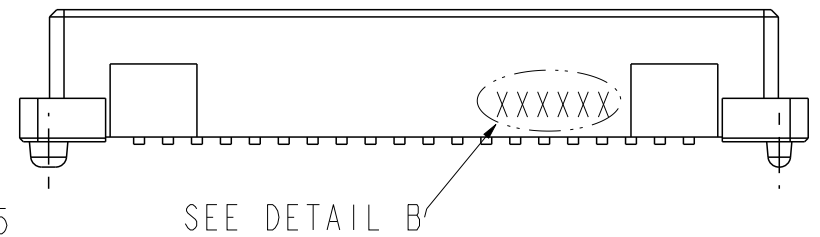
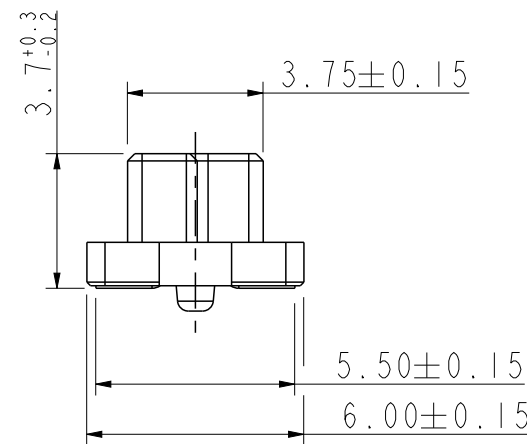
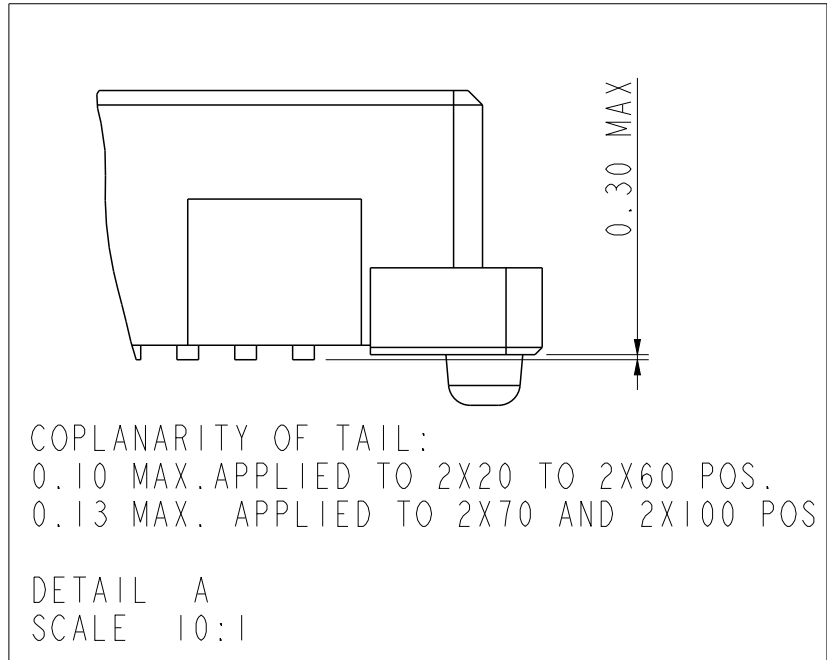
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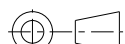
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10139781-041*****	2X20	15.2	21.8	20.2
10139781-061*****	2X30	23.2	29.8	28.2
10139781-081*****	2X40	31.2	37.8	36.2
10139781-101*****	2X50	39.2	45.8	44.2
10139781-121*****	2X60	47.2	53.8	52.2
10139781-141*****	2X70	55.2	61.8	60.2
10139781-161*****	2X80	63.2	69.8	68.2
10139781-181*****	2X90	71.2	77.8	76.2
10139781-201*****	2X100	79.2	85.8	84.2



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

DETAIL B
SCALE 5:1



spec ref -				dr Eric Huang	2016/08/02	projection  mm 	size A3	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Bob Gu	2020/12/02		ecn no ELX-N-38183-1	rel level Released
				chr -	-			
				appr Tim Yao	2020/12/04			
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	title BERGSTAK+ 0.8mm RECEPTACLE CONN	dwg no 10139781	rev J	
		0.XX	±0.15					
		0.XXX	±0.08					
		angular	0°	±2°		cat. no. -	Product - Customer Drw	

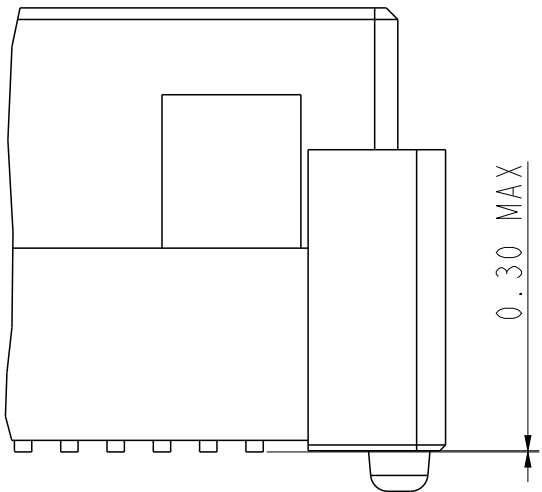
Printed: Dec 04, 2020

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10139781-042*****	2X10	7.2	13.8	12.2
10139781-042*****	2X20	15.2	21.8	20.2
10139781-062*****	2X30	23.2	29.8	28.2
10139781-082*****	2X40	31.2	37.8	36.2
10139781-102*****	2X50	39.2	45.8	44.2
10139781-122*****	2X60	47.2	53.8	52.2
10139781-142*****	2X70	55.2	61.8	60.2
10139781-162*****	2X80	63.2	69.8	68.2
10139781-182*****	2X90	71.2	77.8	76.2
10139781-202*****	2X100	79.2	85.8	84.2

DATE CODE: XXXXXX

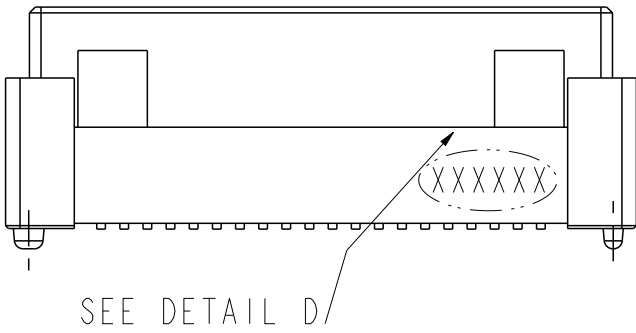
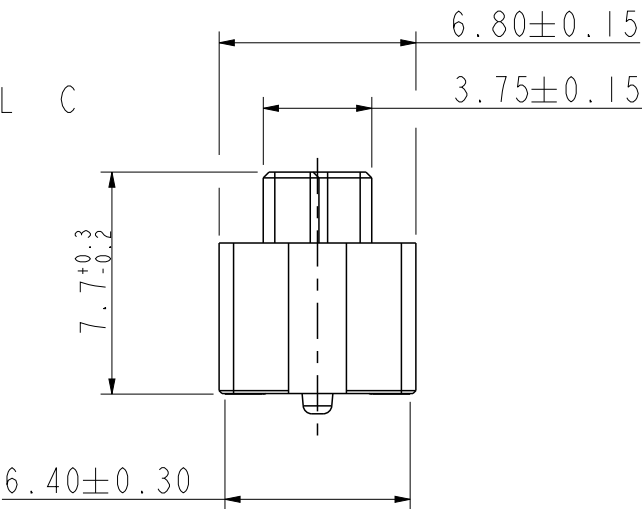
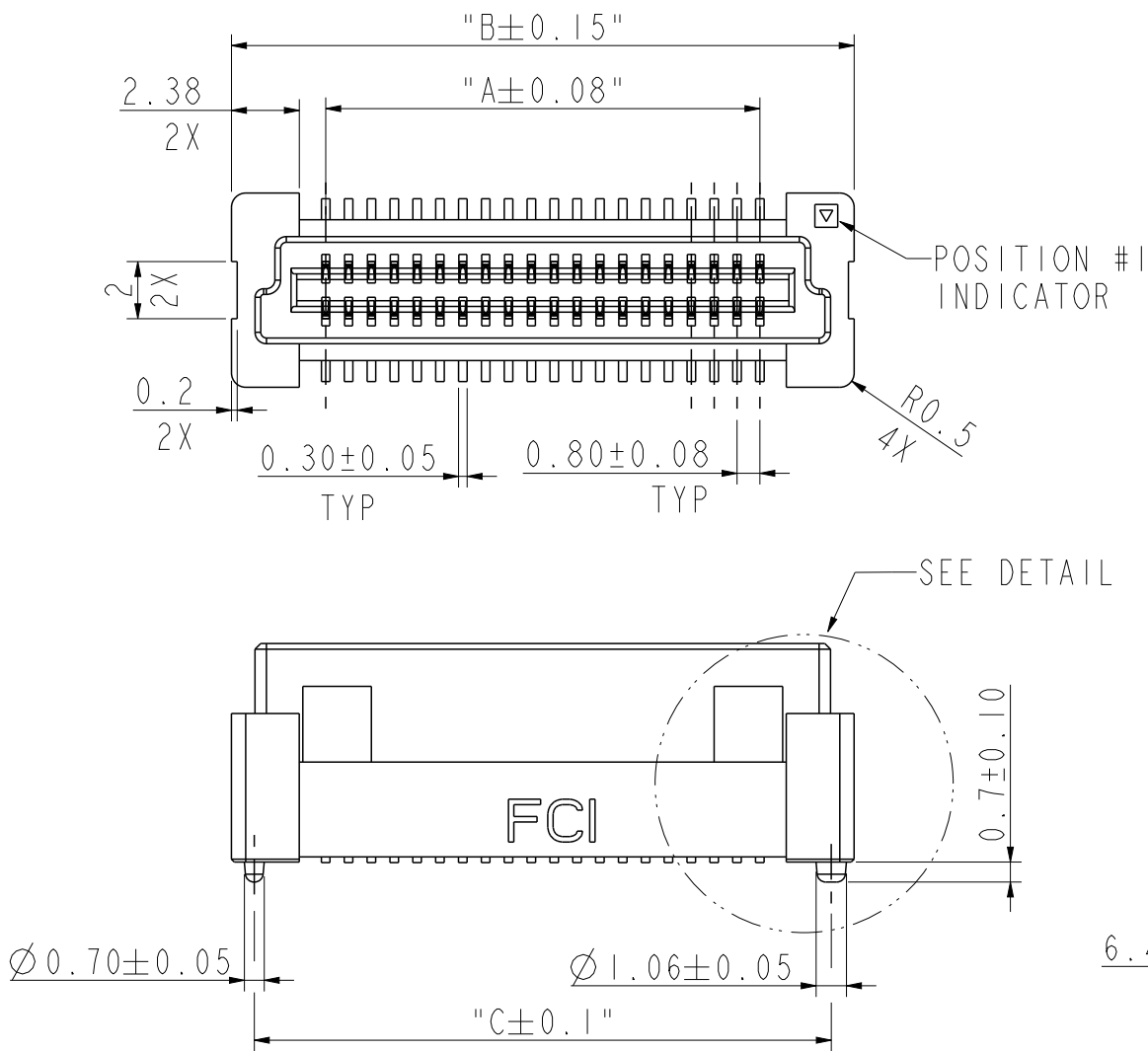
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL D
SCALE 5:1



COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X40 AND 2X60 POS.
0.13 MAX. APPLIED TO 2X70 AND 2X100 POS

DETAIL C
SCALE 8:1



RECEPTACLE 2

spec ref		-		dr		Eric Huang		2016/08/02		projection		mm		size		A3		scale		1:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Bob Gu		2020/12/02						ecn no		ELX-N-38183-1									
chr				-		-																			
appr				Tim Yao		2020/12/04		product family								-		rel level		Released					
surface		linear		0.X		±0.3		Amphenol FCI		title		BERGSTAK+ 0.8mm		dwg no		10139781		rev		J					
																						0.XX		±0.15	
																						0.XXX		±0.08	
ISO 1302		angular		0°		±2°				cat. no.		-		Product - Customer Drw		sheet 4 of 7									

A

B

C

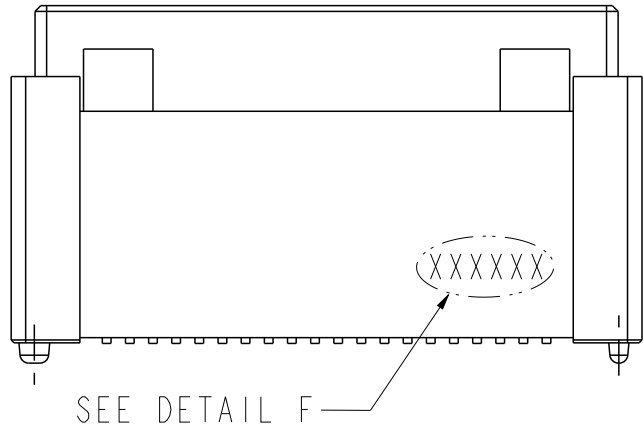
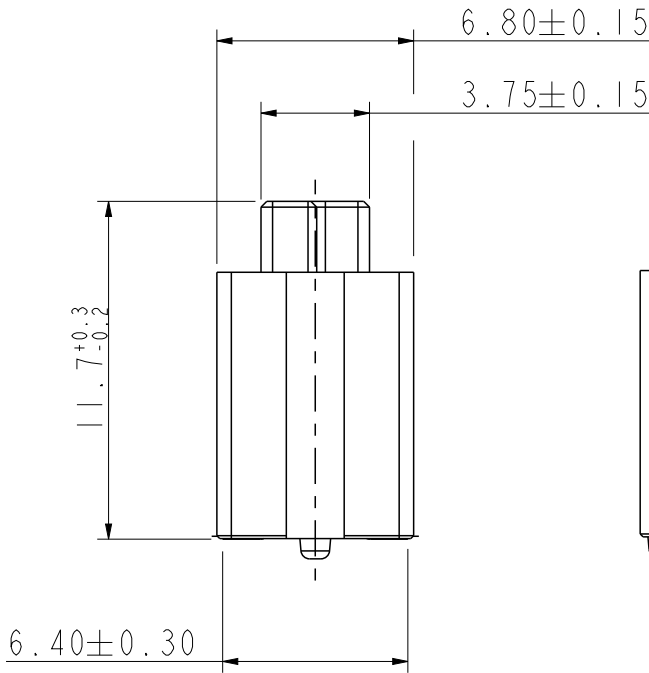
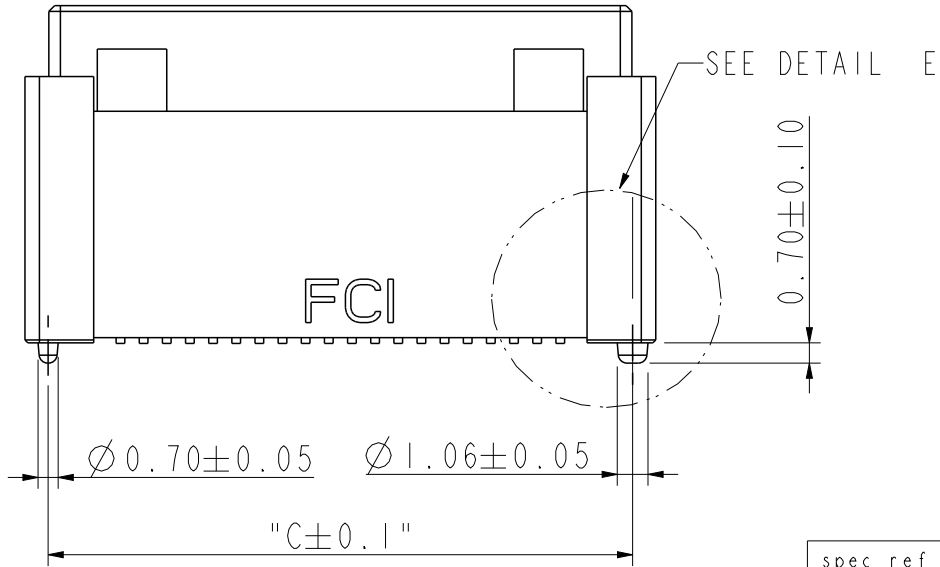
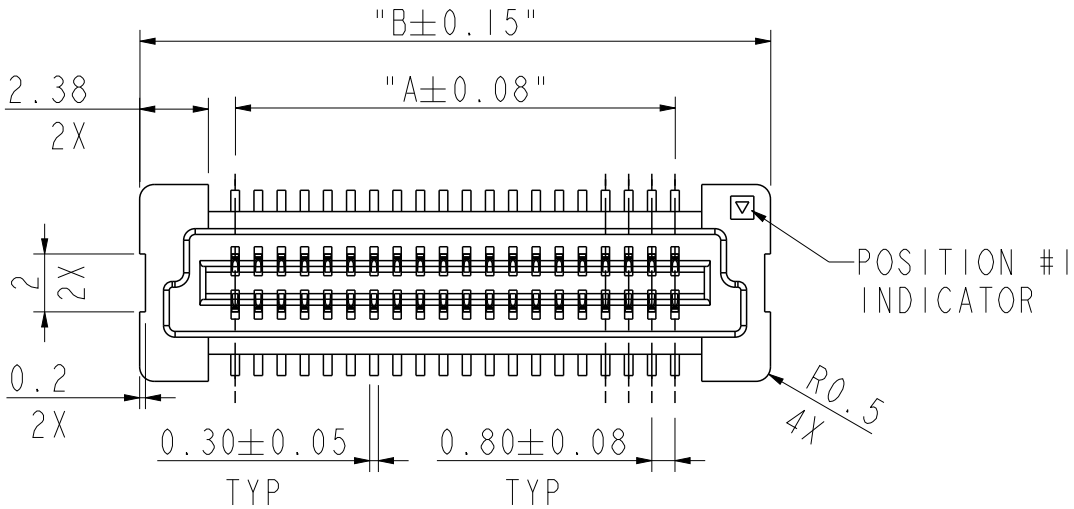
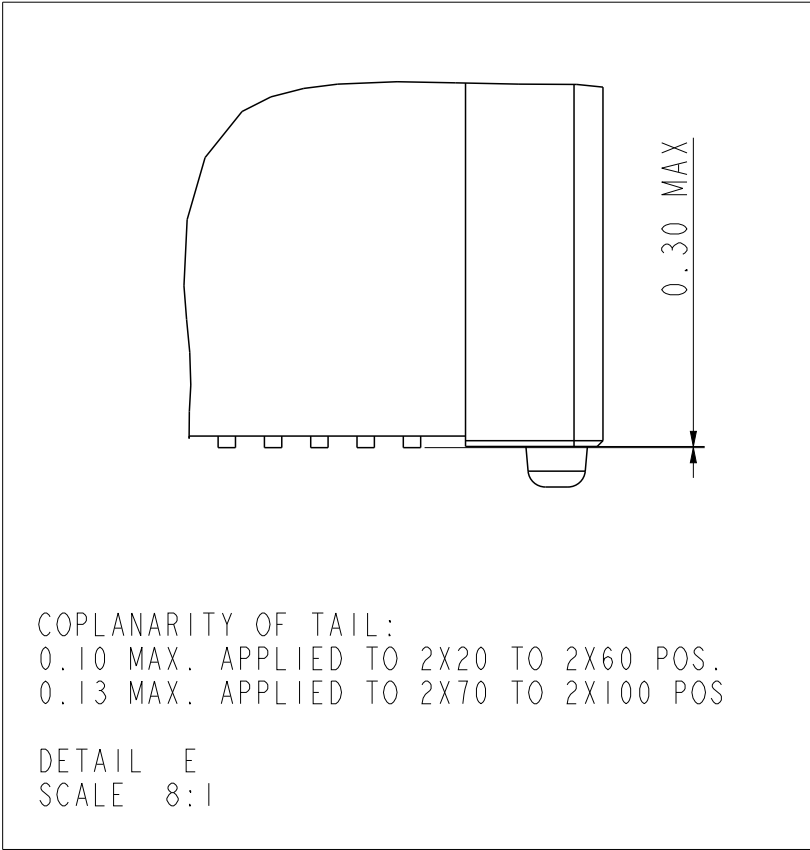
D

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10139781-043*****	2X20	15.2	21.8	20.2
10139781-063*****	2X30	23.2	29.8	28.2
10139781-083*****	2X40	31.2	37.8	36.2
10139781-103*****	2X50	39.2	45.8	44.2
10139781-123*****	2X60	47.2	53.8	52.2
10139781-143*****	2X70	55.2	61.8	60.2
10139781-163*****	2X80	63.2	69.8	68.2
10139781-183*****	2X90	71.2	77.8	76.2
10139781-203*****	2X100	79.2	85.8	84.2

DATE CODE: XXXXXX

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

DETAIL F
SCALE 5:1



spec ref	-	dr	Eric Huang	2016/08/02	projection	mm	size	A3	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Bob Gu	2020/12/02	chr	-	ecn no	ELX-N-38183-1	rel level	Released
surface	linear	appr	Tim Yao	2020/12/04	product family	-	dwg no	10139781	rev	J
ISO 1302	angular	0°	±2°	Amphenol FCI	BERGSTAK+ 0.8mm RECEPTACLE CONN	cat. no.	-	Product - Customer Drw	sheet 5 of 7	

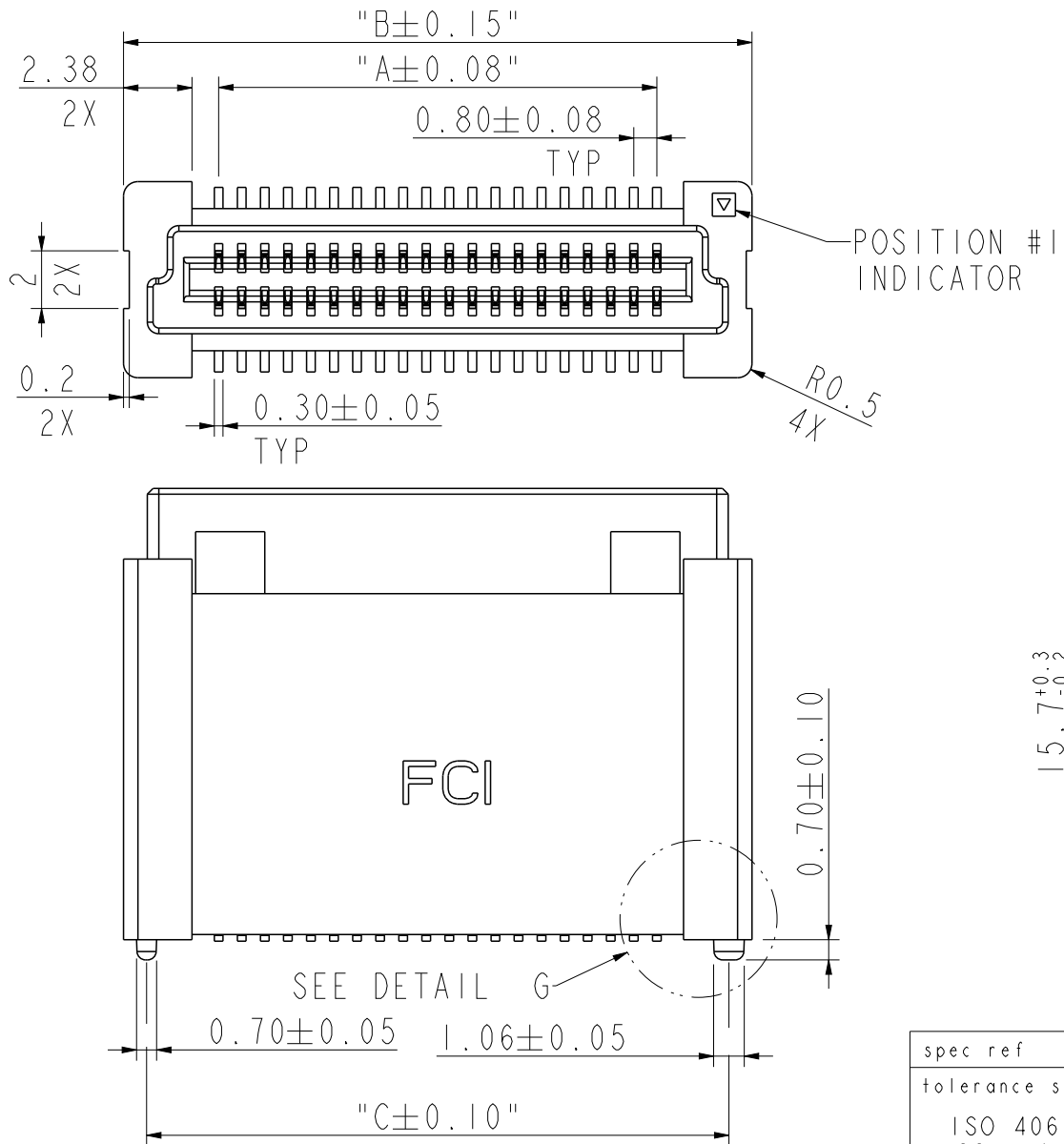
A

B

C

D

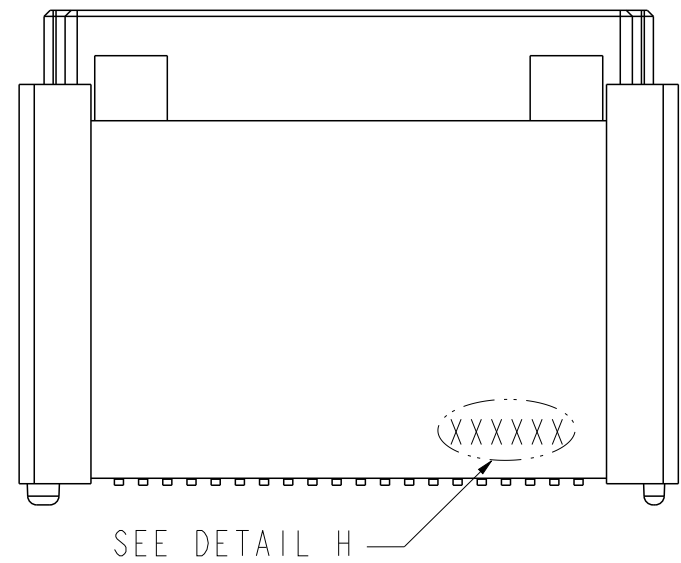
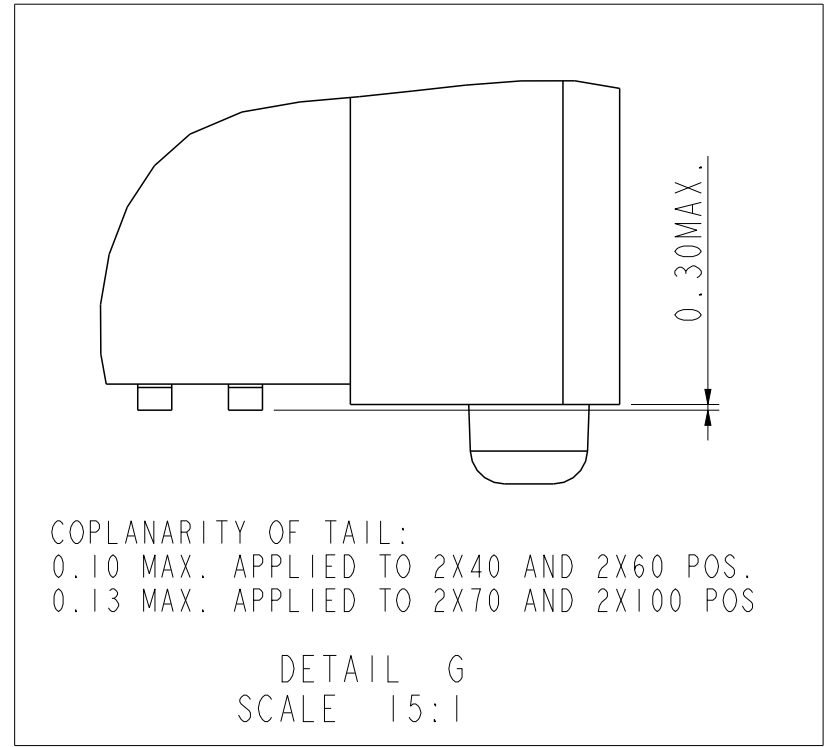
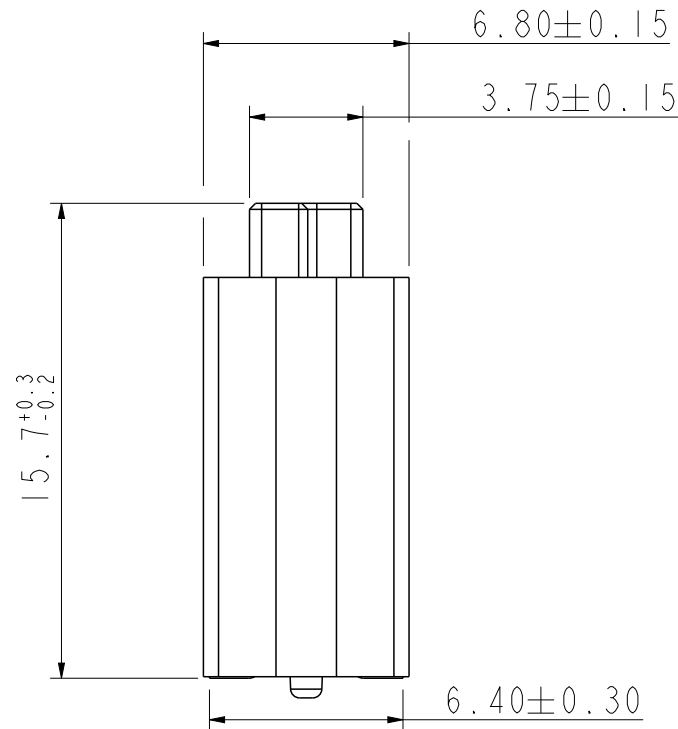
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10139781-024*****	2X10	7.2	13.8	12.2
10139781-044*****	2X20	15.2	21.8	20.2
10139781-064*****	2X30	23.2	29.8	28.2
10139781-084*****	2X40	31.2	37.8	36.2
10139781-104*****	2X50	39.2	45.8	44.2
10139781-124*****	2X60	47.2	53.8	52.2
10139781-144*****	2x70	55.2	61.8	60.2
10139781-164*****	2x80	63.2	69.8	68.2
10139781-184*****	2X90	71.2	77.8	76.2
10139781-204*****	2X100	79.2	85.8	84.2



DATE CODE: XXXXXX

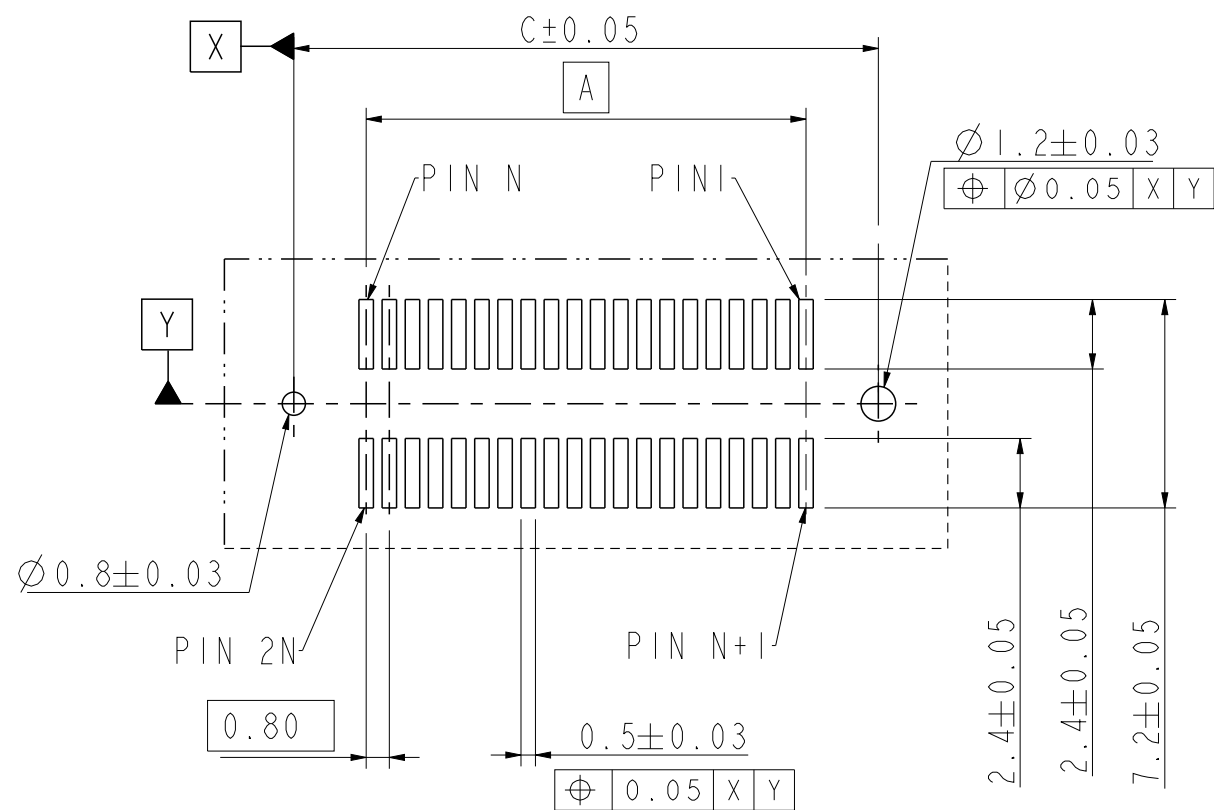
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL H
SCALE 5:1

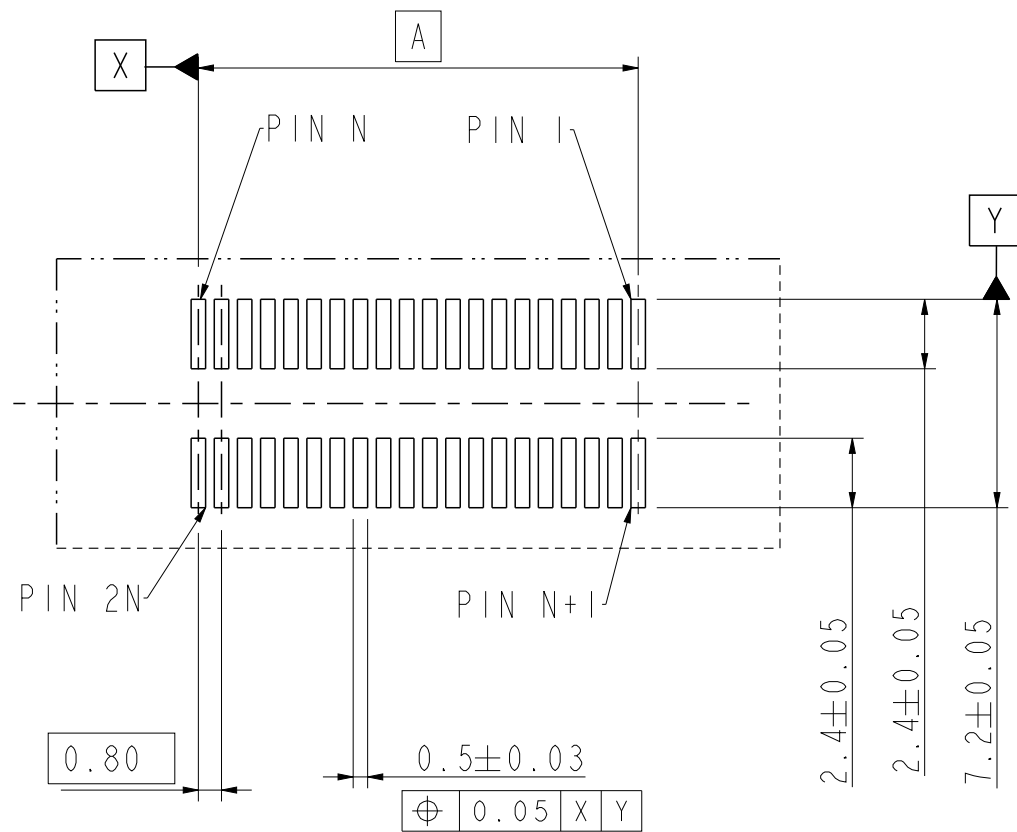


spec ref	-	dr	Eric Huang	2016/08/02	projection	mm	size	A3	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Bob Gu	2020/12/02	chr	-	ecn no	ELX-N-38183-1	rel level	Released
surface	linear	appr	Tim Yao	2020/12/04	product family	-	dwg no	10139781	rev	J
ISO 1302	angular	0°	±2°	Amphenol FCI	BERGSTAK+ 0.8mm RECEPTACLE CONN	cat. no.	-	Product - Customer Drw	sheet 6 of 7	

RECEPTACLE 2 & 3 & 4



RECOMMENDED PCB LAYOUT WITH PEGS



RECOMMENDED PCB LAYOUT WITHOUT PEGS

spec ref -				dr Eric Huang		2016/08/02		projection	mm	size A3		scale 1:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Bob Gu		2020/12/02				ecn no ELX-N-38183-1							
ISO 406				chr -		-				rel level Released							
ISO 1101				appr Tim Yao		2020/12/04								product family -			
surface ISO 1302		linear	0.X		±0.3		Amphenol FCI		title	BERGSTAK+ 0.8mm				dwg no	10139781		rev J
			0.XX		±0.15												
			0.XXX		±0.08												
		angular		0°		±2°		cat. no. -		Product - Customer Drw					sheet 7 of 7		