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() Amphenol
FCI

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61083-AA B C D E G W V 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

E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP
6	T&R WITH KAPTON TAPE
7	T&R WITH PLASTIC CAP
Q	T&R WITHOUTL CAP

NOTE 10

NOTE 10

NOTE 11

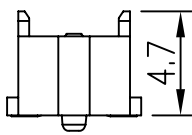
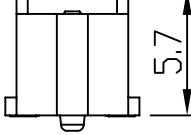
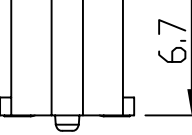
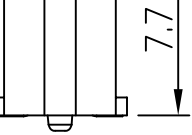
NOTE 10

G	DATE CODE
/	STANDARD, NOT PRINT D/C
P	PRINT DATE CODE

W	TRANSPORT CODE
/	NOT MANDATORY
W	FOR OCEAN SHIPPING

V	MANDATORY CODE
/	STANDARD, NOT MANDATORY P/N
V	ONLY FOR DEDICATED CUSTOMER
H	ONLY FOR DEDICATED CUSTOMER
L	ONLY FOR DEDICATED CUSTOMER

D	PEG
0	YES
2	NO

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

NOTE:

1. MATERIAL:

HOUSING: G.F. LCP, NATURAL, UL94-V0

TERMINAL: BRASS

2. PLATING: AS SHOWN IN TABLE.NICKEL UNDERPLATE OVERALL 1.27um.MIN.

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 AND PLUG 3.

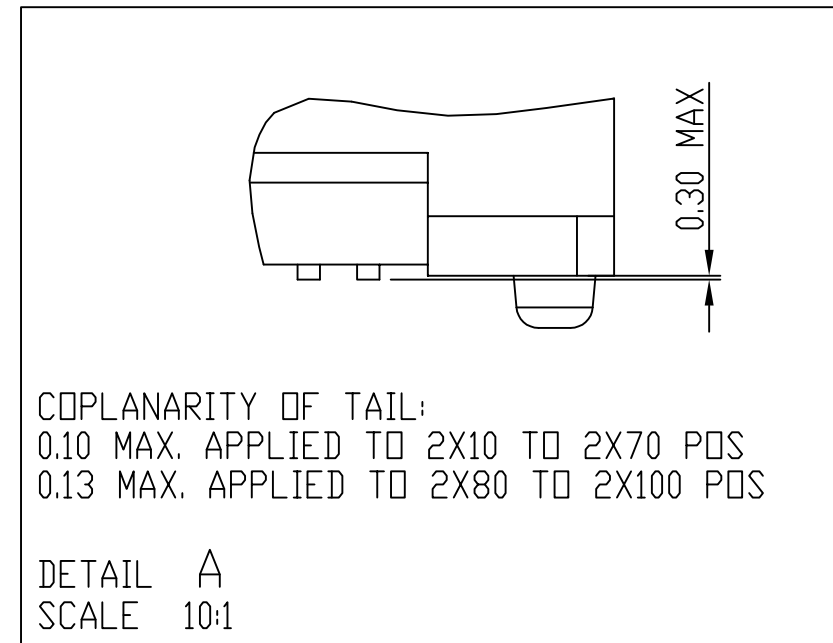
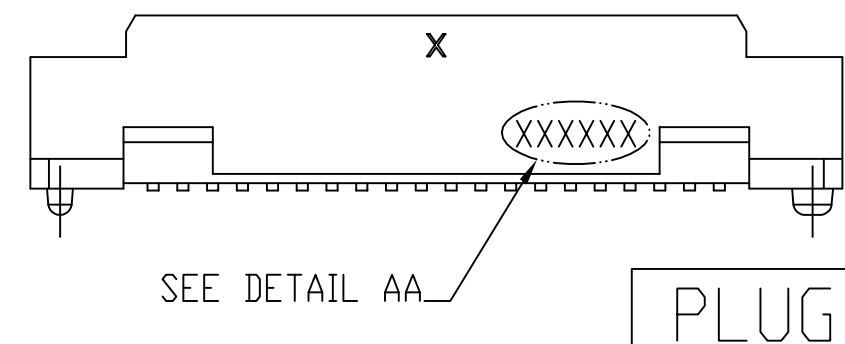
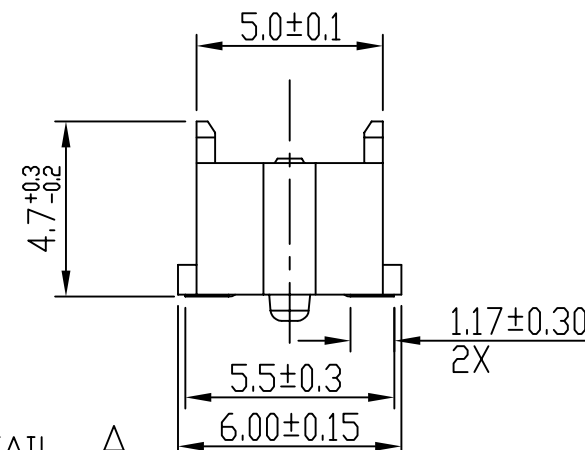
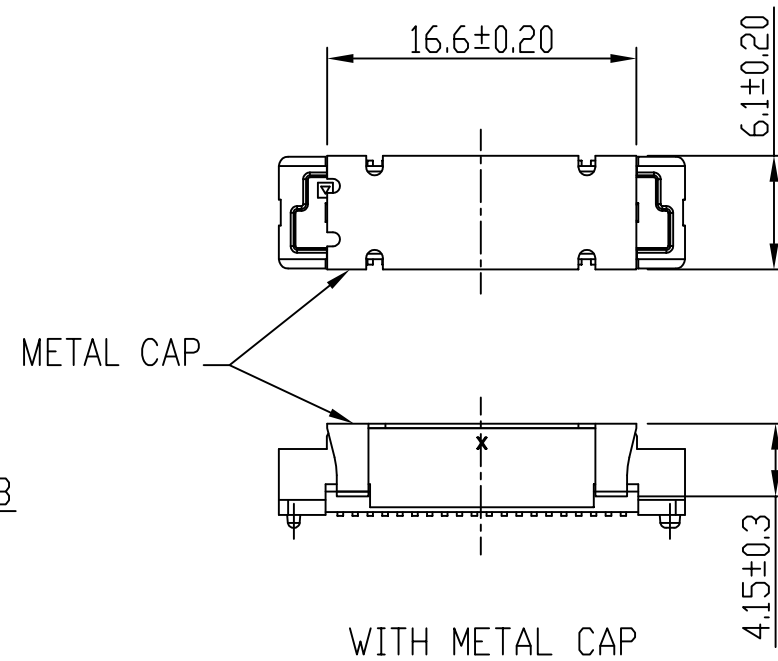
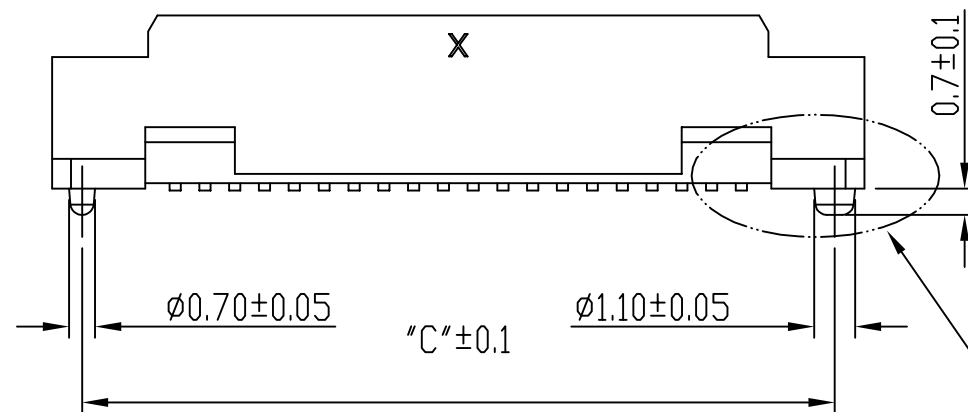
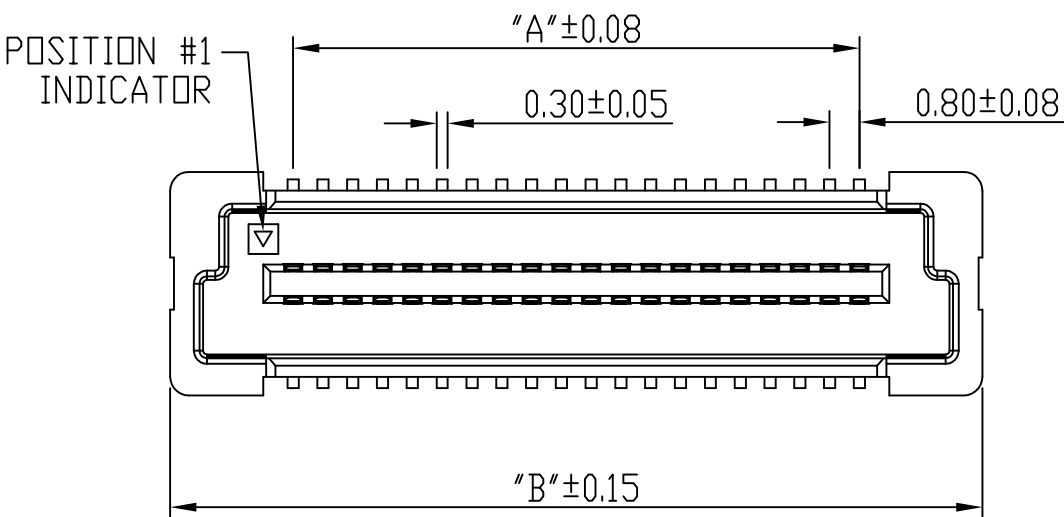
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.

11. KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.

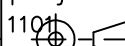
C	PLATING ON CONTACT AREA / ON SOLDER TAIL AREA	FF
0	GOLD 0.2um MIN. ON CONTACT AREA / TIN LEAD 2.5um MIN ON SOLDER TAIL	NONE
1	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA / TIN LEAD 2.5um MIN ON SOLDER TAIL	NONE
4	GOLD 0.2um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER TAIL	LF
5	GOLD 0.38um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER TAIL	LF
6	GOLD FLASH 0.065um MIN OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER TAIL	LF
7	GOLD 0.76um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER TAIL	LF
9	GOLD 0.2um MIN ON CONTACT AREA / GOLD 0.05um MIN ON SOLDER TAIL	LF
B	GOLD 1.27um MIN ON CONTACT AREA / GOLD 0.05~0.25um ON SOLDER TAIL	LF
C	GOLD 1.27um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER TAIL	LF
D	GOLD 0.38um MIN ON CONTACT AREA / GOLD FLASH ON SOLDER TAIL	LF

mat'l. code				surface				tolerance				projection				product family																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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AN	ELX-N-30741	Bob	2018-11-22	appd	Tim Yoo				2020-06-28				type				Product Customer Drawing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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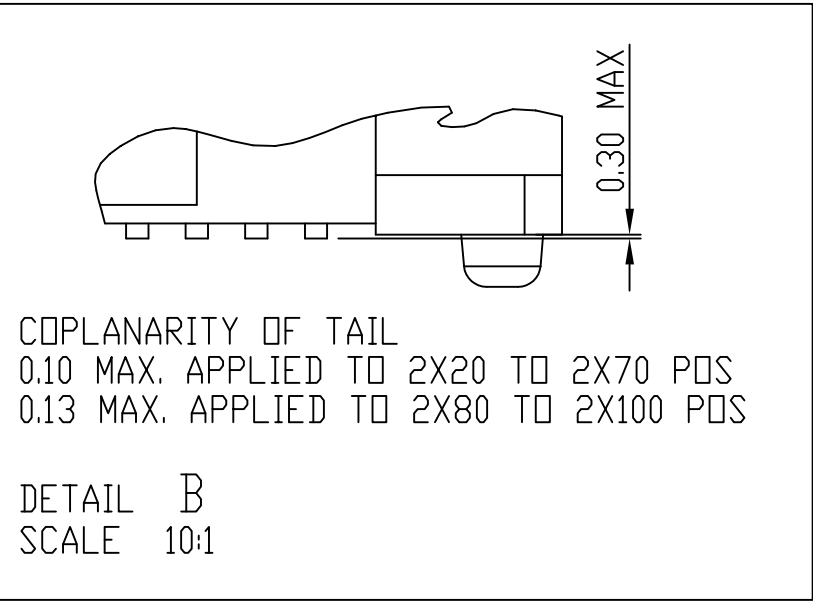
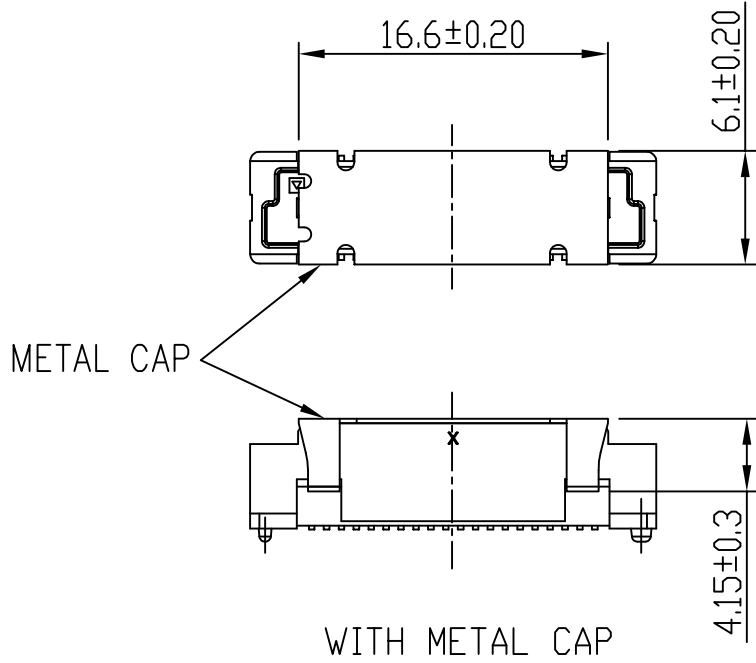
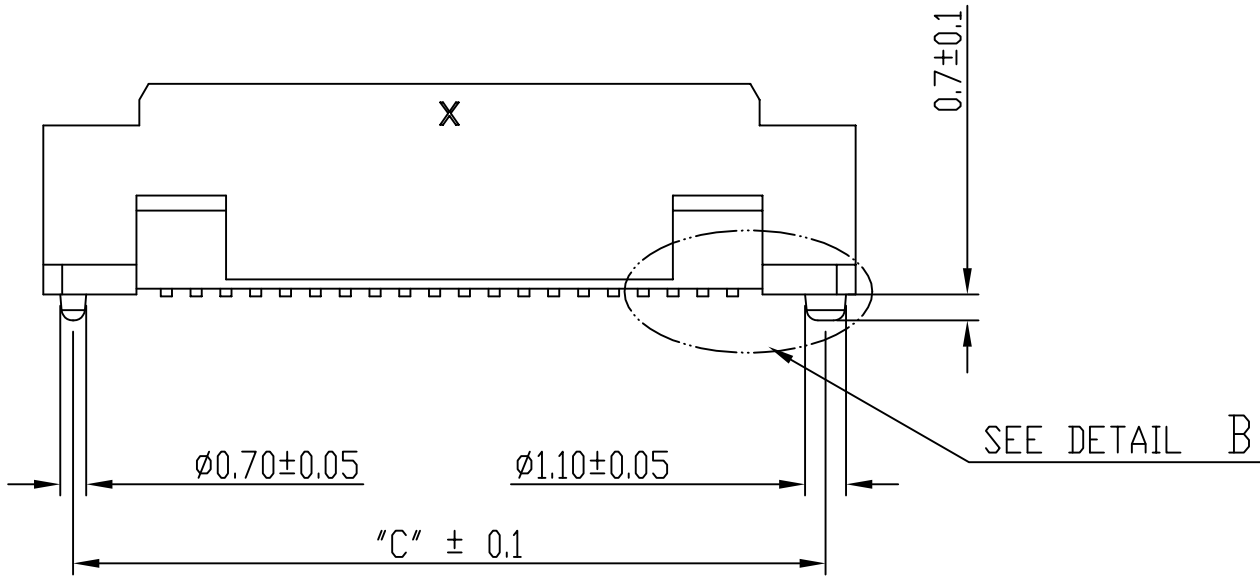
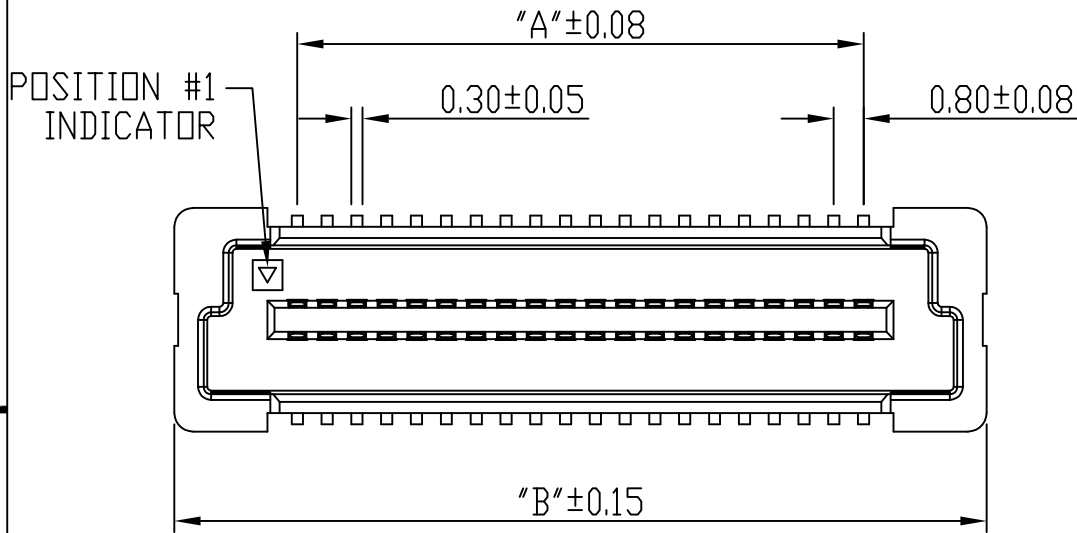
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2	69.8	68.2
61083-181***	2X90	71.2	77.8	76.2
61083-201***	2X100	79.2	85.8	84.2



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

mat'l. code				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family BERGSTAK HPL545						
ltr	ecn no	dr	date	tolerances unless otherwise specified						title PLUG ASSY BERGSTAK 0.8MM									
AT				angles	linear	.0±.2													
						.00±.15													
				0°±3°		.000±.10													
				dr	GuoMin Sun	2014-10-21				dwg no		sheet2 of 6	size						
				engr	Bob Gu	2020-06-28				61083		A3							
				chr	LQ Lei	2020-06-28													
				appd	Tim Yao	2020-06-28													
sheet index		revision	AT							type Product Customer Drawing									
		sheet	1																

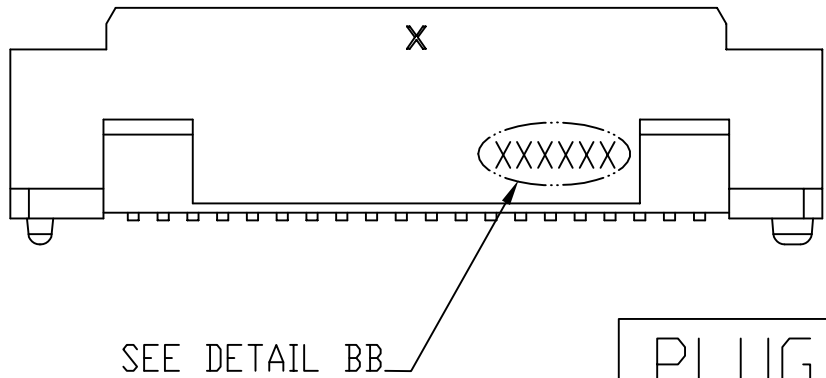
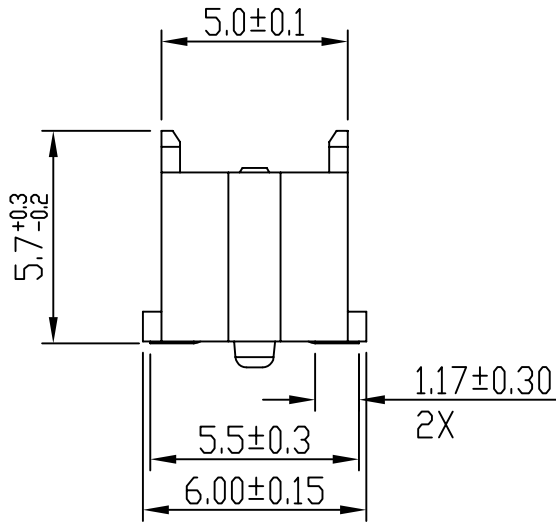
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



DATE CODE: XXXXXX

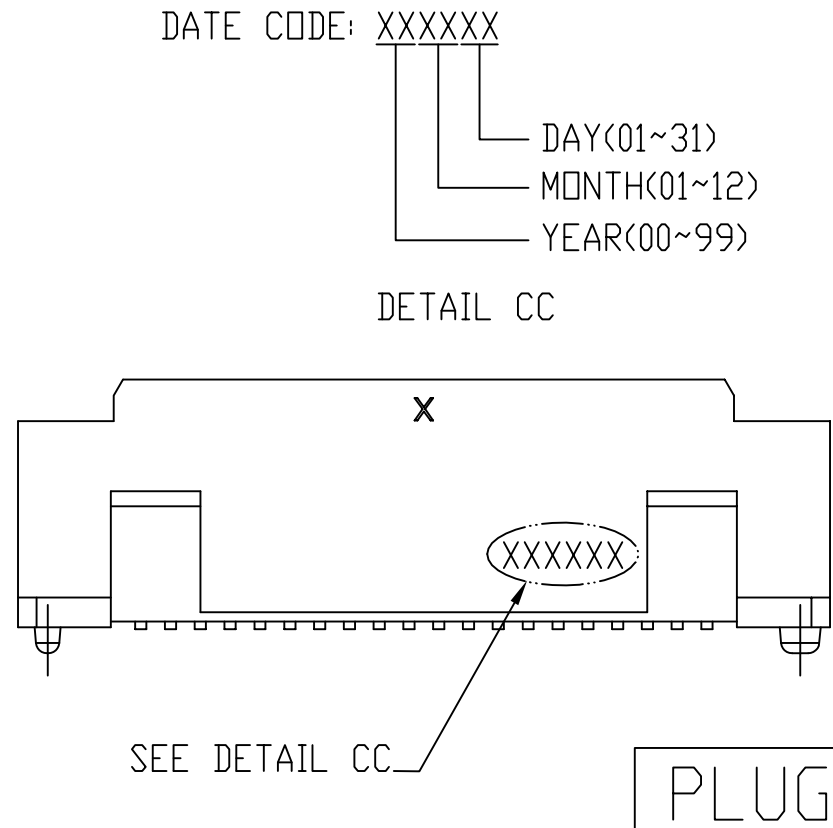
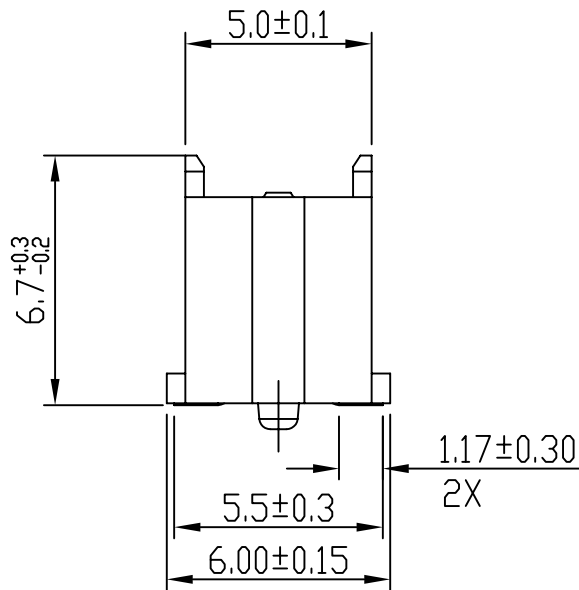
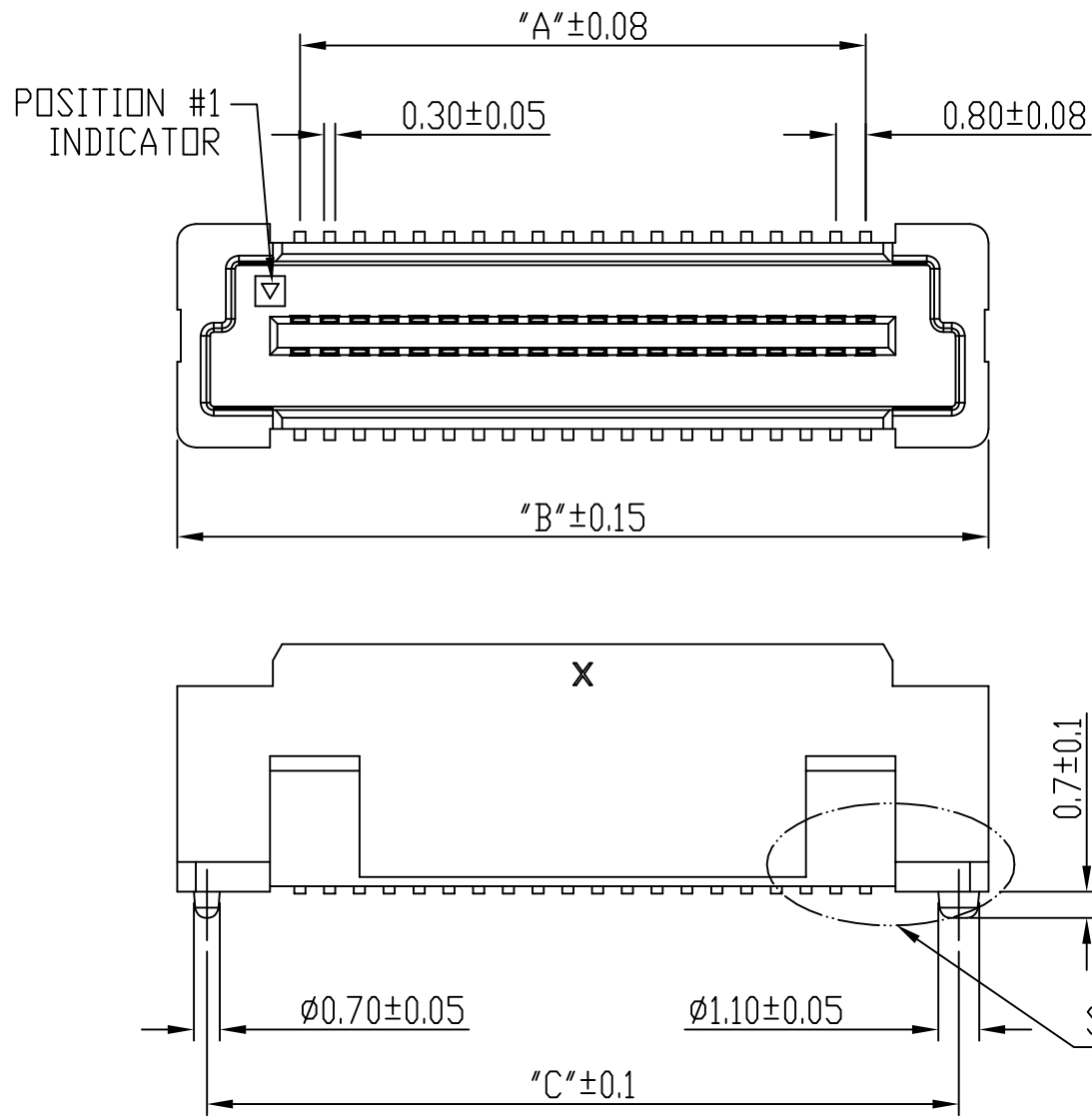
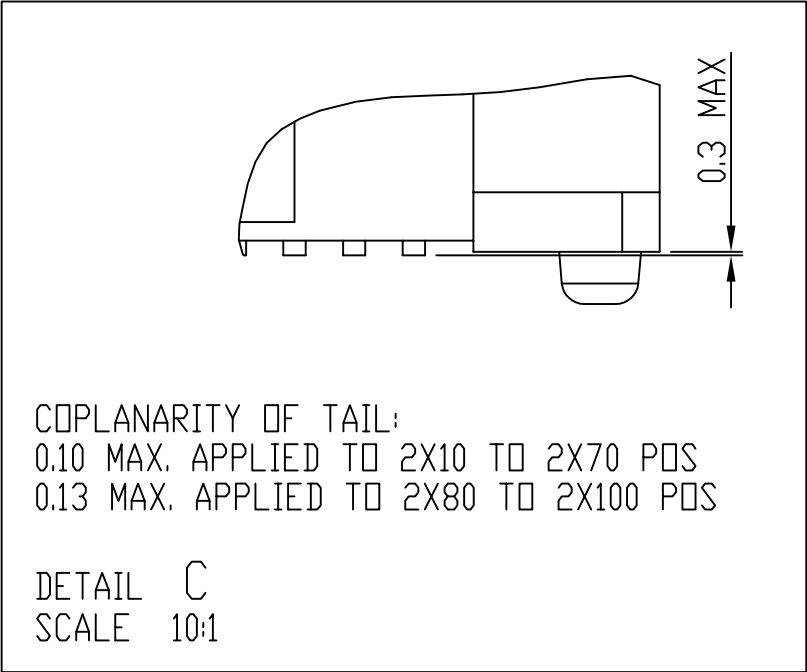
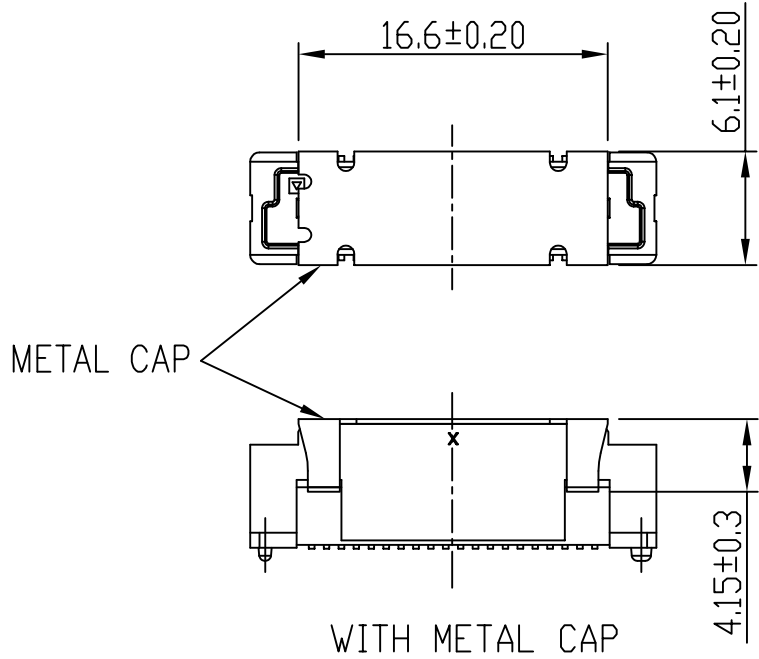
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

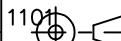
DETAIL BB



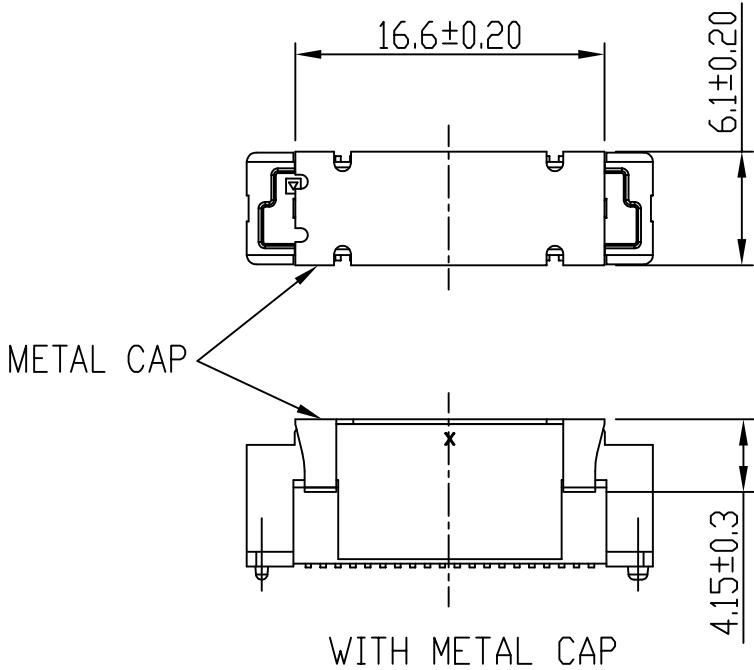
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title PLUG ASSY BERGSTAK 0.8MM			
AT				angles	linear		dwg no 61083			
				0° ± 3°						
				dr	GuoMin Sun	2014-10-21	Amphenol FCI			
				engr	Bob Gu	2020-06-28				
				chr	LQ Lei	2020-06-28				
				appd	Tim Yao	2020-06-28	type Product Customer Drawing			
sheet index	revision sheet	AT	1							

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-023***	2X10	7.2	13.8	12.2
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



mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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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



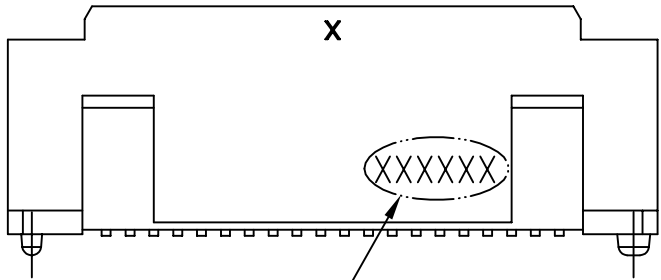
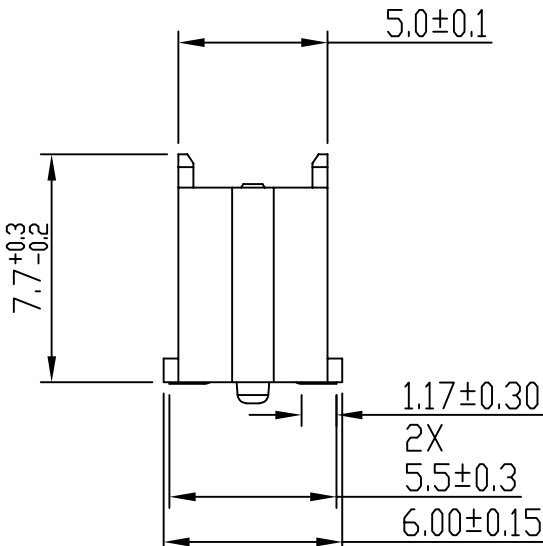
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL D
SCALE 10:1

DATE CODE: XXXXXX

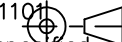
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL DD

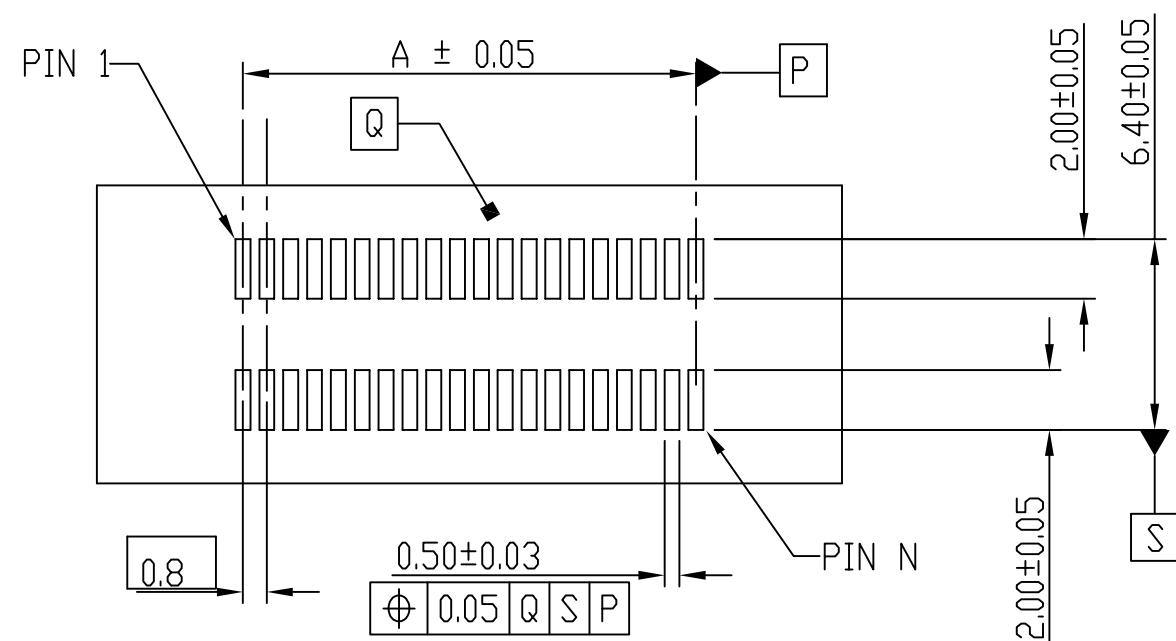


SEE DETAIL DD

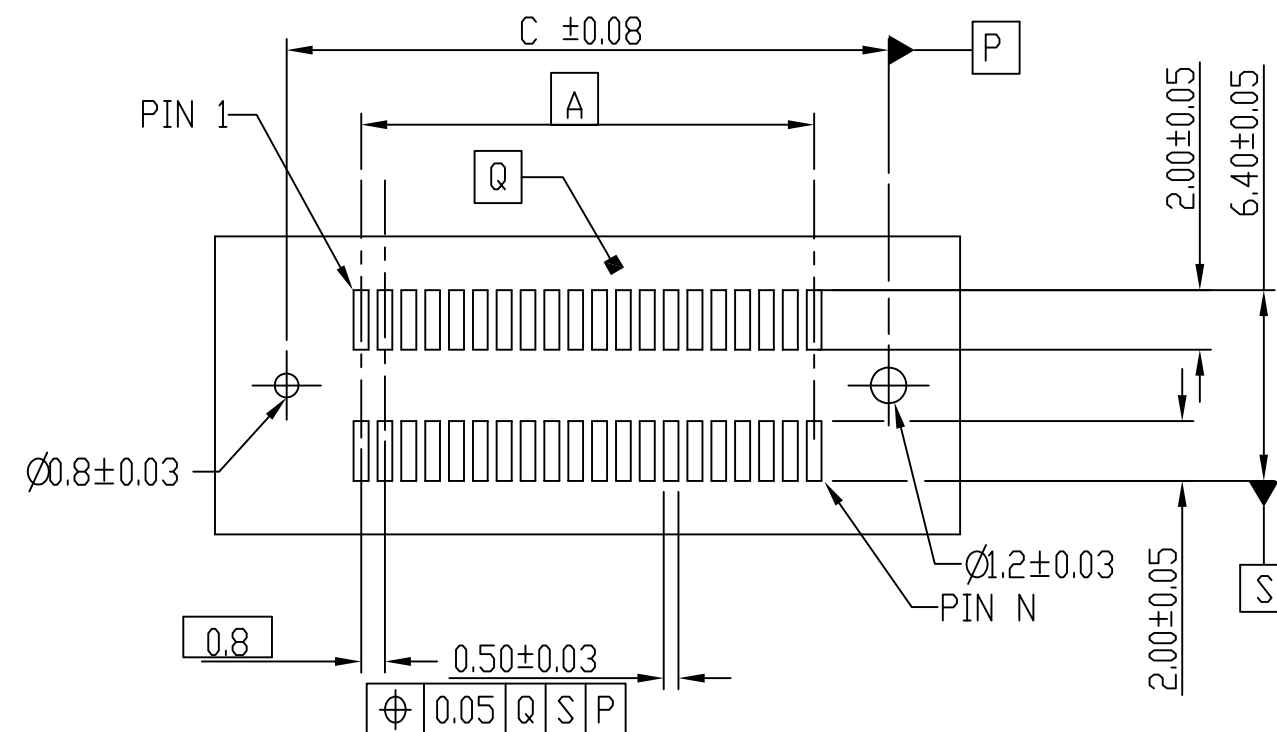
PLUG 4

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545													
ltr	ecn no		dr	date		tolerances unless otherwise specified				title PLUG ASSY BERGSTAK 0.8MM													
AT						angles		linear												.0±.2			
																				.00±.15			
						0°±3°														.000±.10		scale 1:1	
						dr	GuoMin Sun		2014-10-21						dwg no		sheet5 of 6		size				
						engr	Bob Gu		2020-06-28						61083				A3				
						chr	LQ Lei		2020-06-28														
						appd	Tim Yao		2020-06-28														
sheet index		revision		AT																			
		sheet		1																			

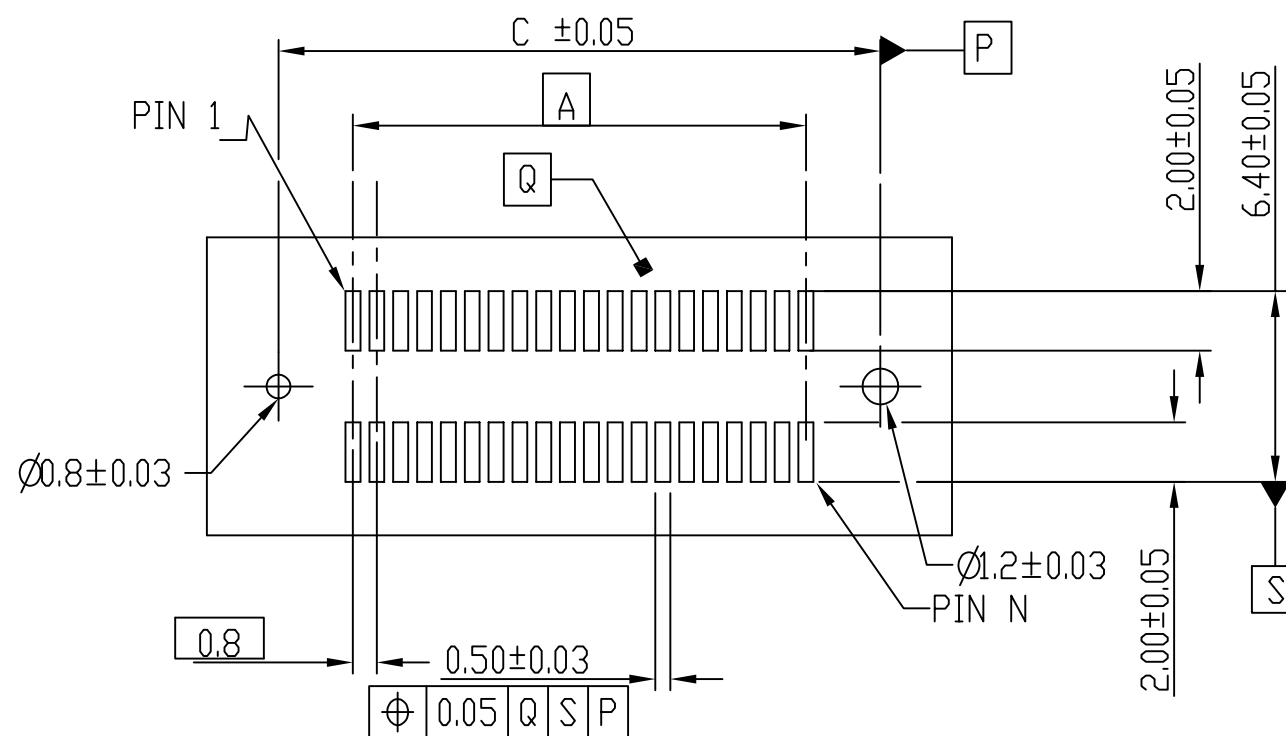
FOR PLUG 1/2/3/4



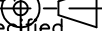
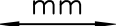
RECOMMENDED PCB LAYOUT WITHOUT PEG FOR
NO. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



RECOMMENDED PCB LAYOUT WITH PEG FOR
NO. OF POS 2X70, 2X80, 2X90, 2X100



RECOMMENDED PCB LAYOUT WITH PEG FOR
NO. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545										
ltr	ecn no	dr	date	tolerances unless otherwise specified			 mm			title PLUG ASSY BERGSTAK 0.8MM										
AT				angles		linear														
				0°±3'																
				dr	GuoMin Sun	2014-10-21				dwg no					sheet6 of 6			size		
				engr	Bob Gu	2020-06-28				61083					A3					
				chr	LQ Lei	2020-06-28														
				appd	Tim Yao	2020-06-28				type Product Customer Drawing										
sheet index		revision sheet		AT	1															