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() Amphenol
FCI

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form: A3-2016-02-24

1

2

3

4

5

6

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

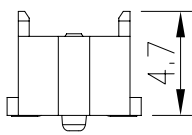
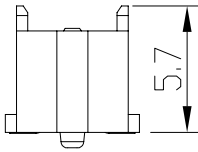
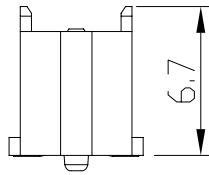
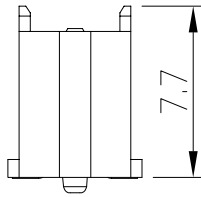
NOTE 10

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

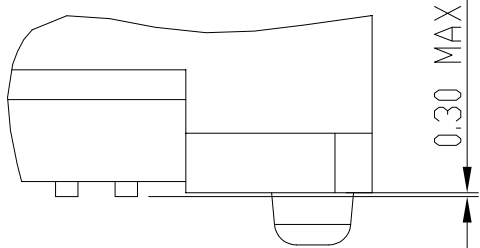
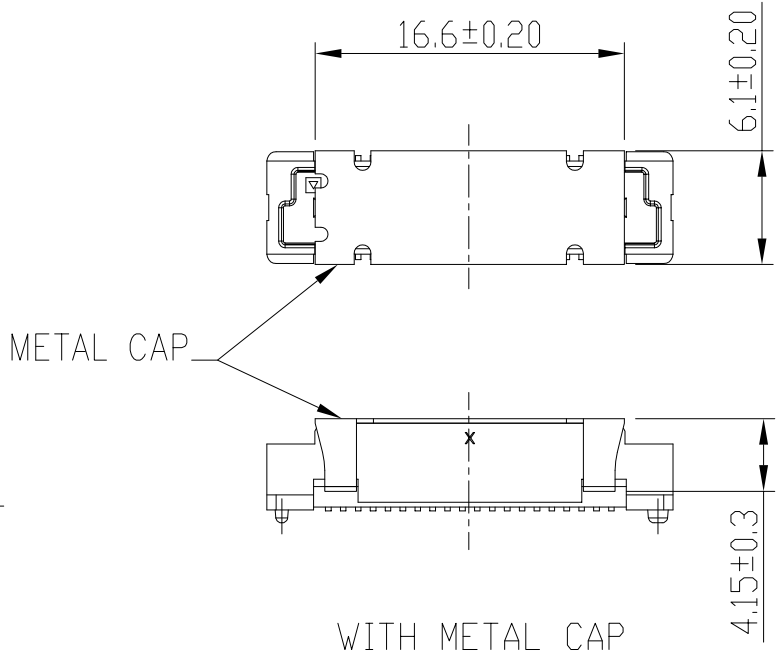
mat'l. code				surface				tolerance				projection				product family																	
				ISO 1302 ✓				ISO 406 ISO 1101								BERGSTAK HPL545																	
ltr	ecn no	dr	date	tolerances unless otherwise specified								title PLUG ASSY BERGSTAK 0.8MM																					
AP	ELX-N-33922	Bob	2019-07-05	angles linear				.0±.2																									
AR	ELX-N-34967	Bob	2019-09-26					.00±.15																									
AS	ELX-N-35593	Bob	2020-01-10					0°±3'																.000±.10				scale 1:1					
				dr	GuoMin Sun				2014-10-21								dwg no								sheet 1 of 6				size				
AL	ELX-N-26381	Bob	2017-03-17	enrg	Bob Gu				2020-01-10								61083								A3								
AM	ELX-N-30296	Bob	2018-05-28	chr	LQ Lei				2020-01-10																								
AN	ELX-N-30741	Bob	2018-11-22	appd	Tim Yao				2020-01-10																								
sheet		revision		AL	AM	AN	AP	AR	AS																								
index		sheet		1~6	1~6	1~6	1	1	1																								

PDS: Rev :AS

STATUS:Released

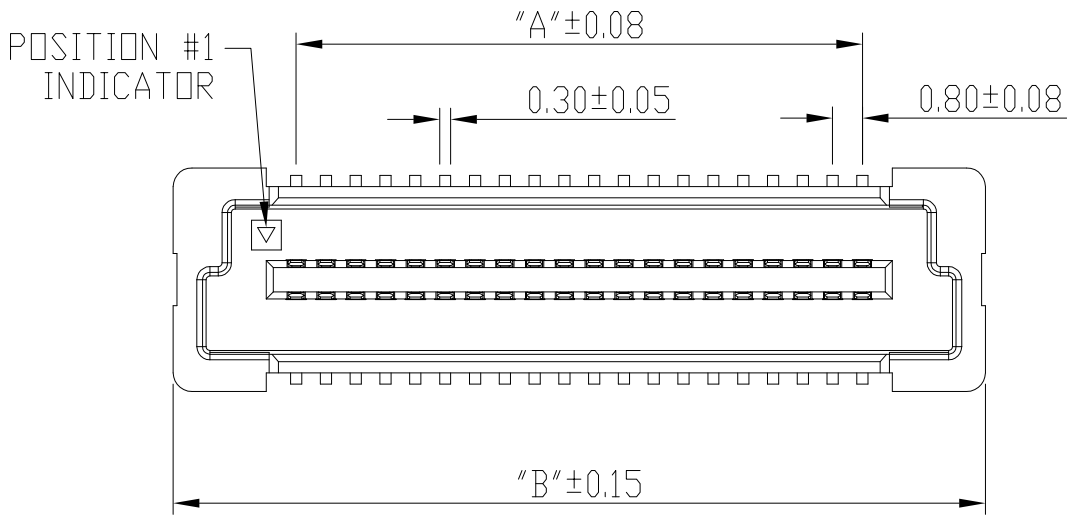
Printed: Jan 16, 2020

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



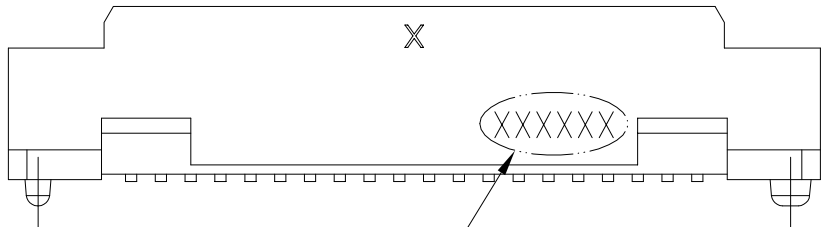
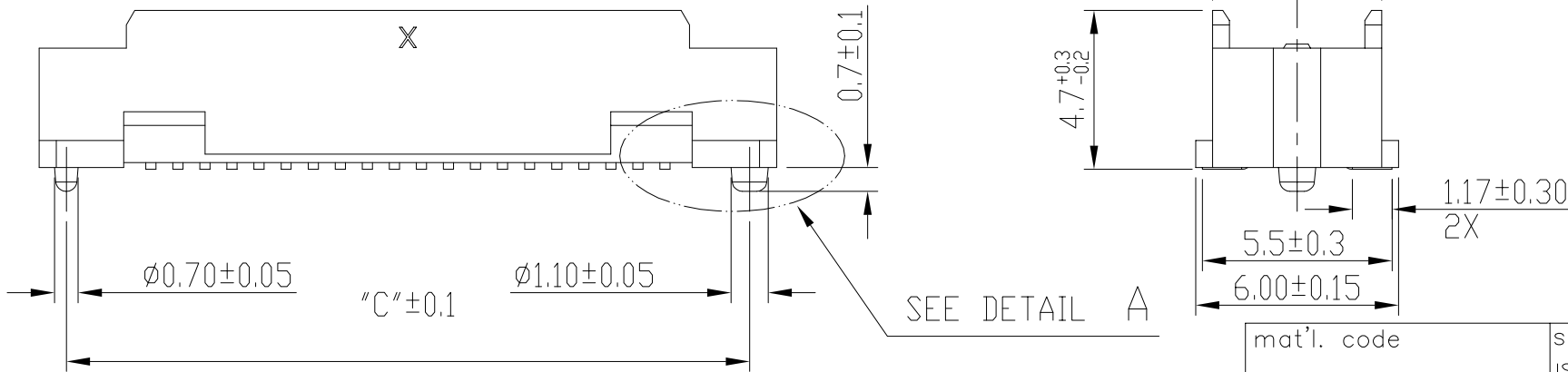
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X10 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL A
SCALE 10:1



DATE CODE: XXXXXX
DAY<01~31>
MONTH<01~12>
YEAR<00~99>

DETAIL AA

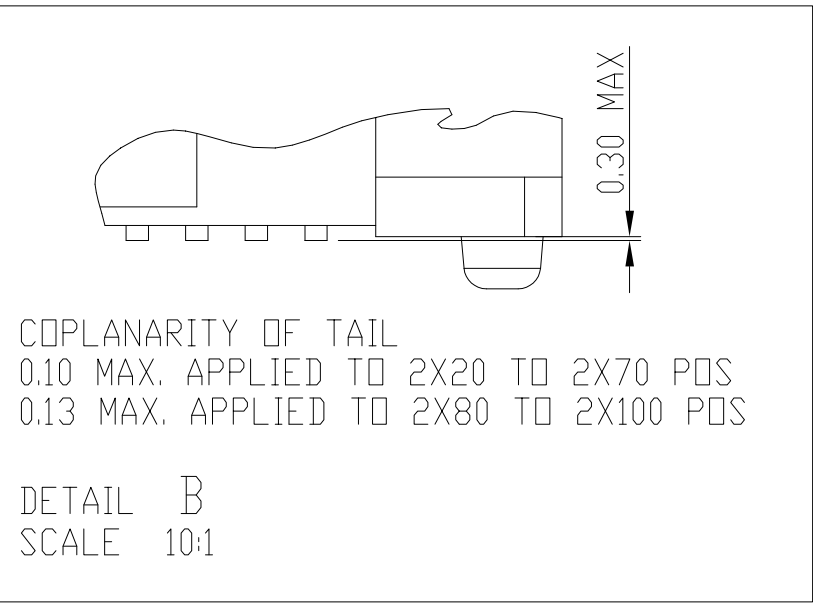
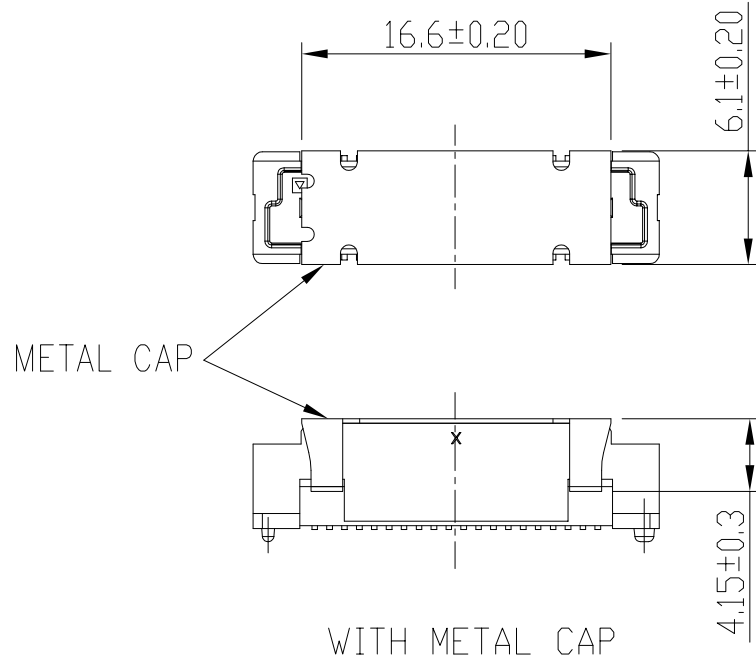
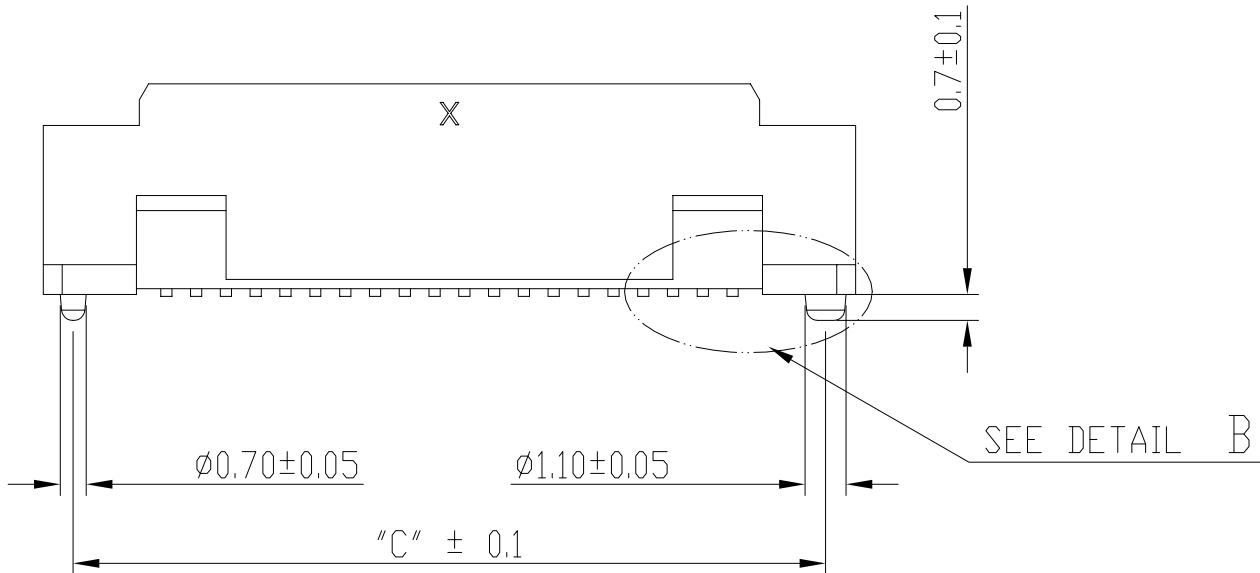
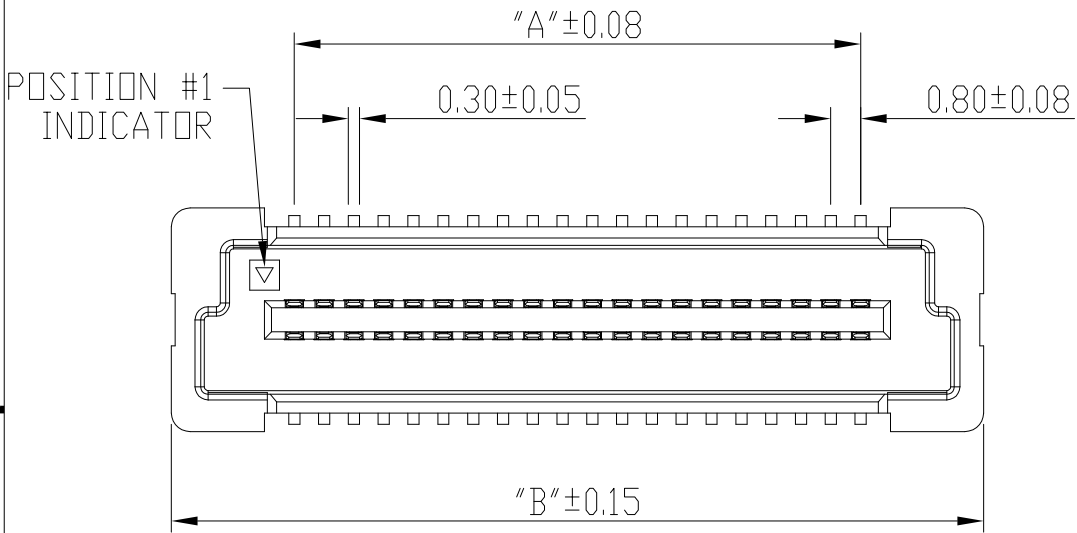


SEE DETAIL AA

PLUG 1

mat'l. code				surface	tolerance	projection	product family			
ISO 1302				ISO 406	ISO 1101	1101	BERGSTAK HPL545			
litr				tolerances unless otherwise specified		mm	title			
AS				angles		mm	PLUG ASSY			
				linear		mm	BERGSTAK 0.8MM			
				0°±3°		scale 1:1	dwg no			
				dr		Amphenol FCI	sheet2 of 6			
				enr		61083	size			
				chr		A3	type			
				appd		Product Customer Drawing				
sheet index				revision	AS					
sheet				1						

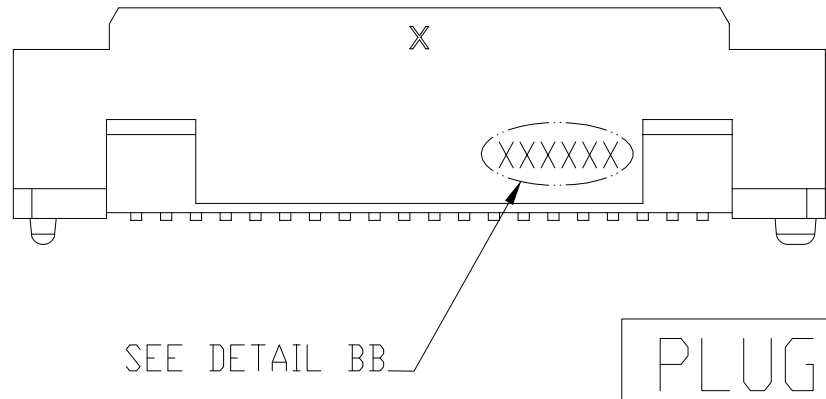
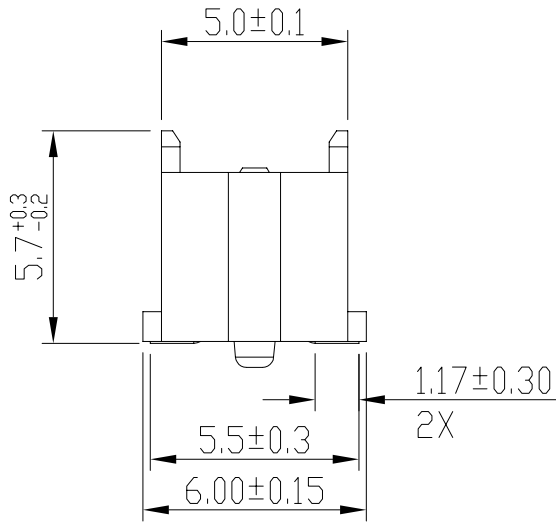
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



DATE CODE: XXXXXX

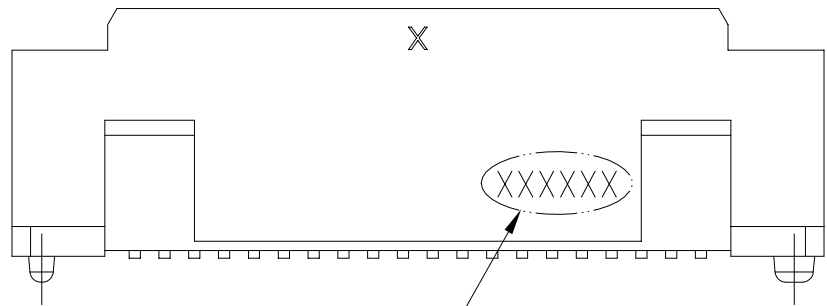
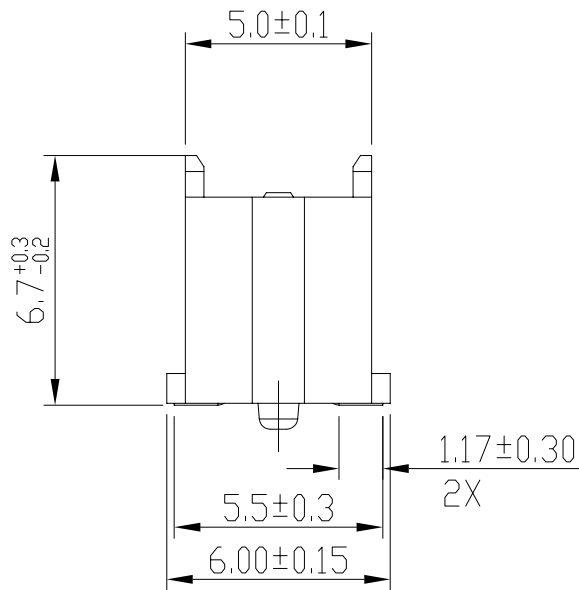
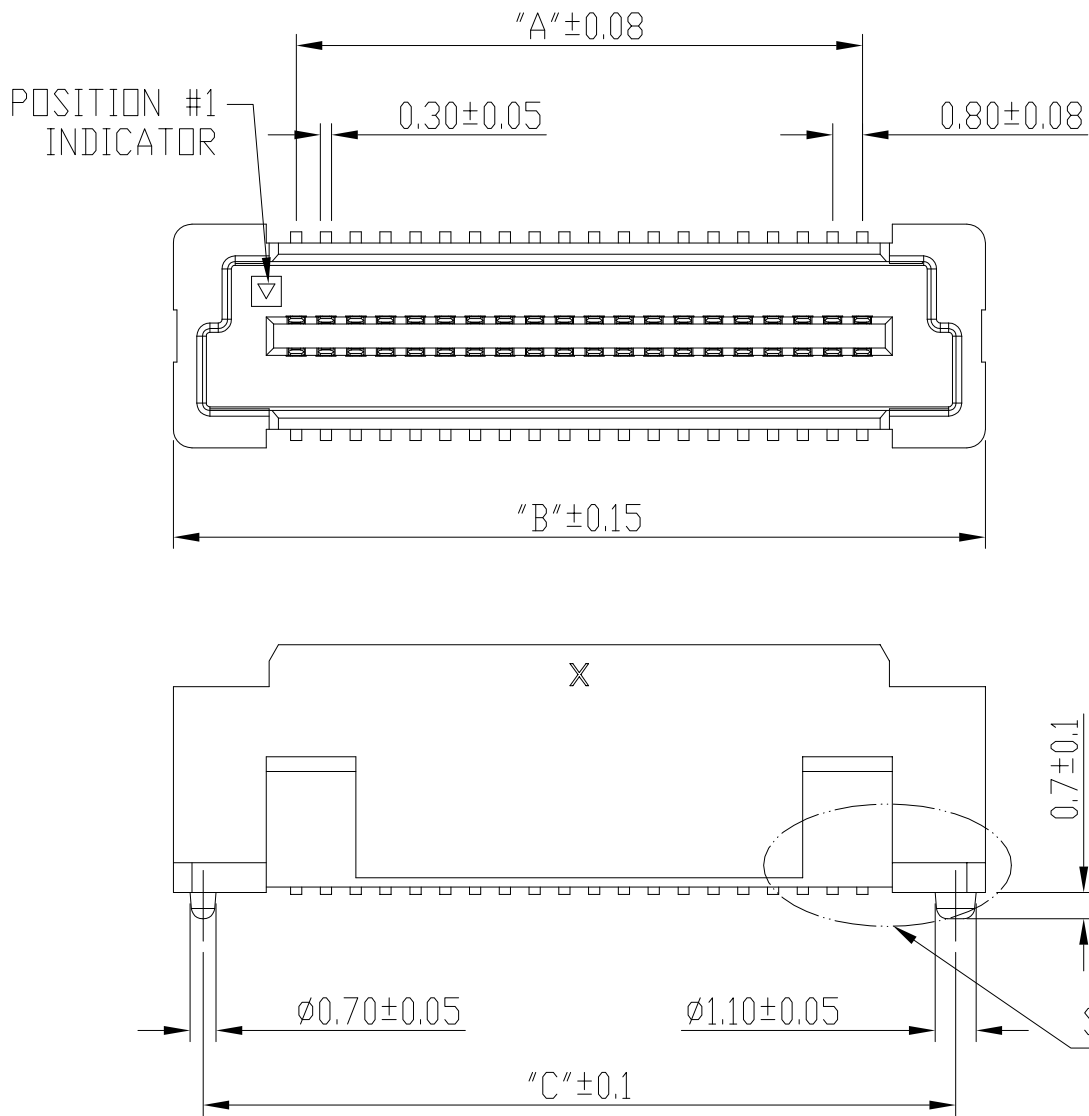
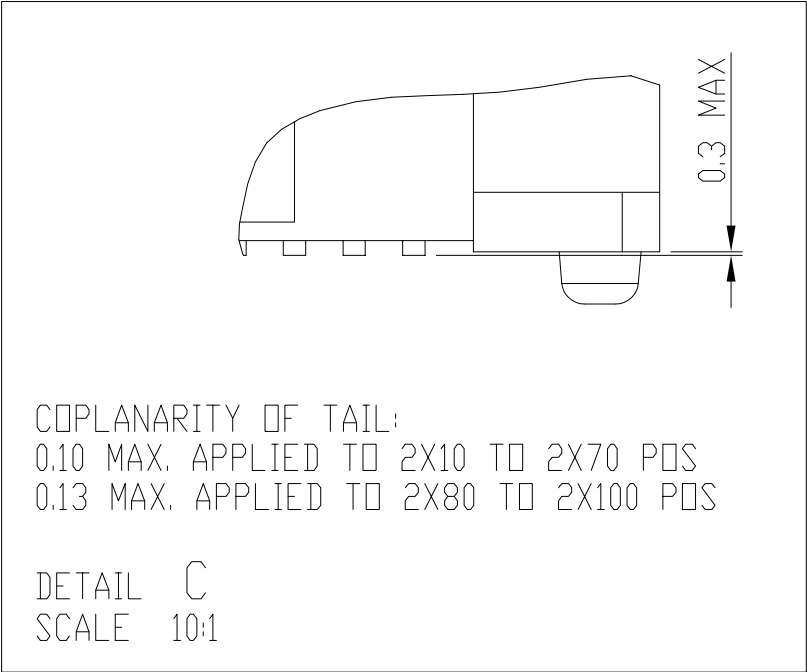
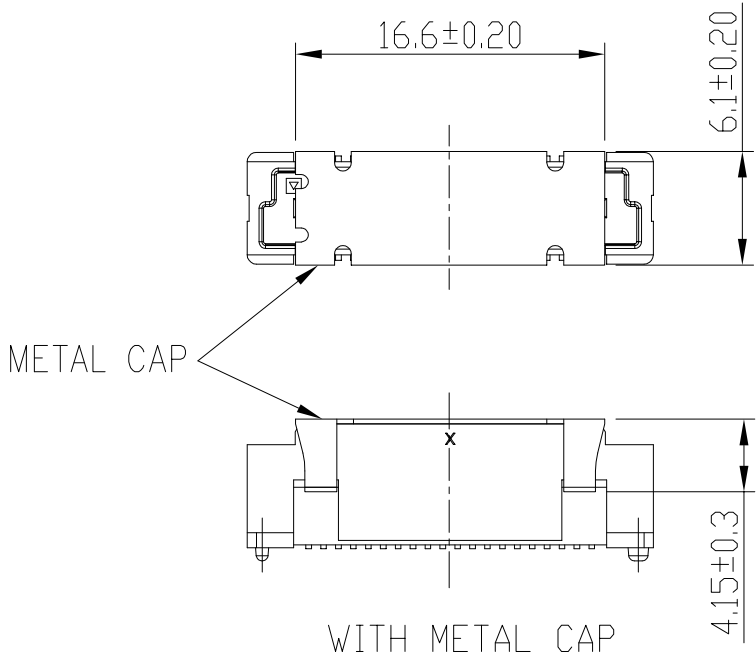
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL BB



mat'l. code				surface	tolerance	projection	product family			
				ISO 1302 ✓	ISO 406 ISO 1101	mm	BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title			
AS				angles	.0±.2		PLUG ASSY			
				linear	.00±.15		BERGSTAK 0.8MM			
				0°±3°	.000±.10	scale 1:1				
				dr	GuoMin Sun	2014-10-21	dwg no		sheet3 of 6	size
				enr	Bob Gu	2020-01-10	61083			A3
				chr	LQ Lei	2020-01-10				
				appd	Tim Yao	2020-01-10				
sheet index	revision sheet	AS 1					type Product Customer Drawing			

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



DATE CODE: XXXXXX

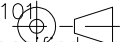
DAY(01~31)

MONTH(01~12)

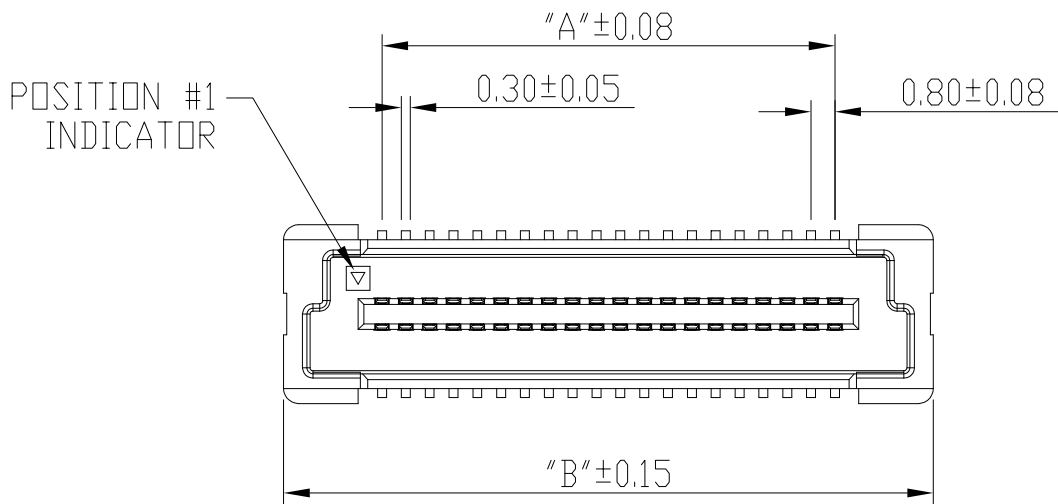
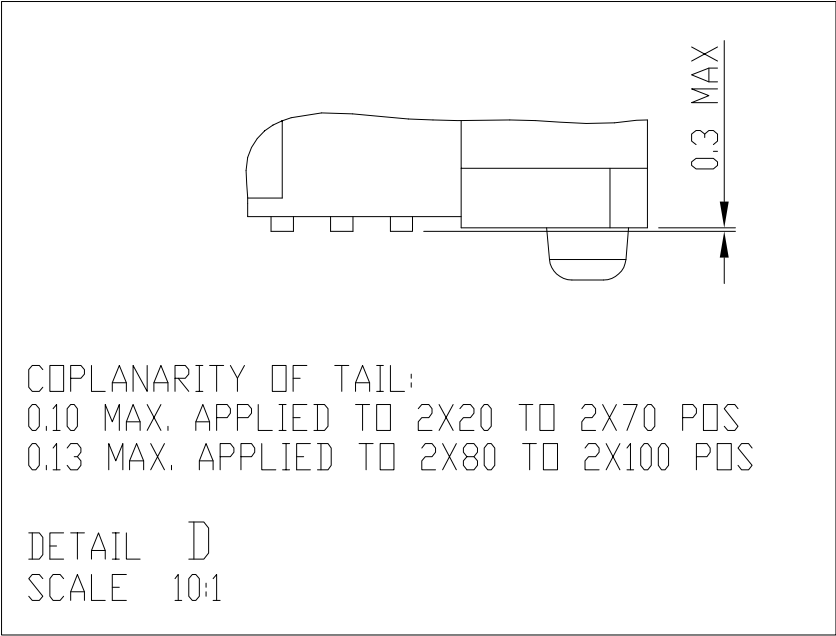
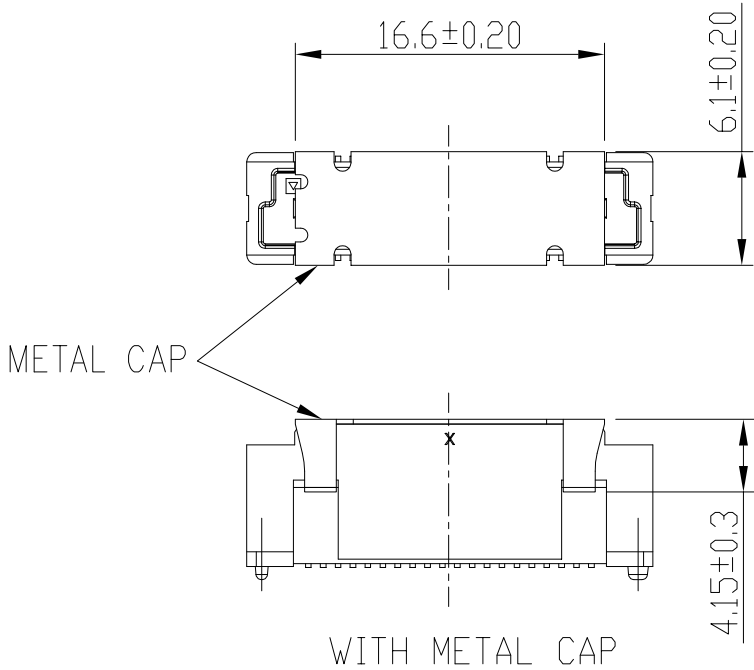
YEAR(00~99)

DETAIL CC

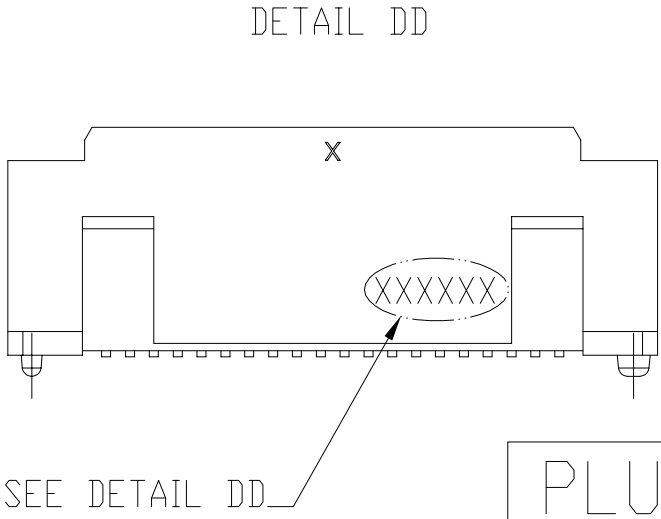
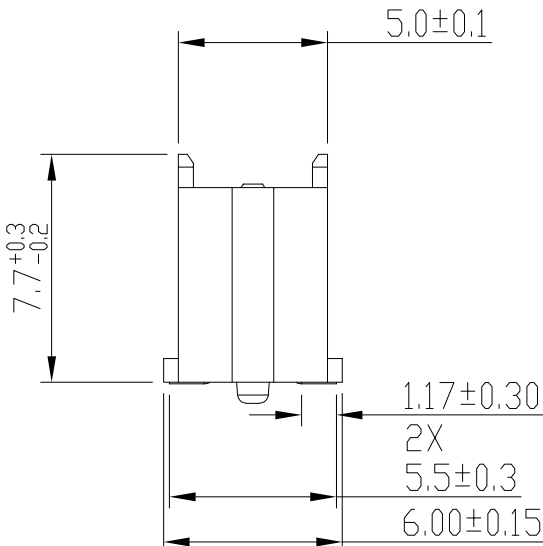
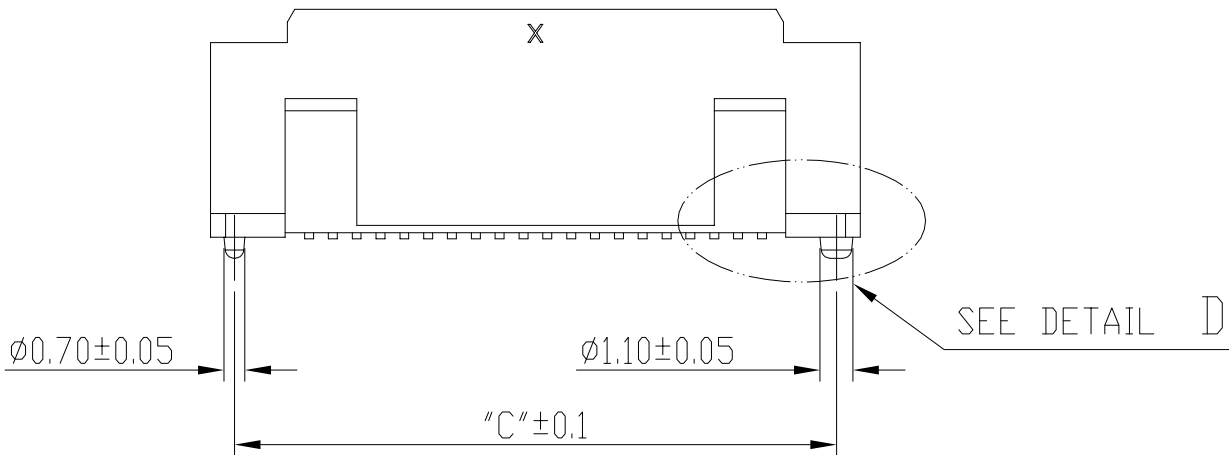
PLUG 3

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

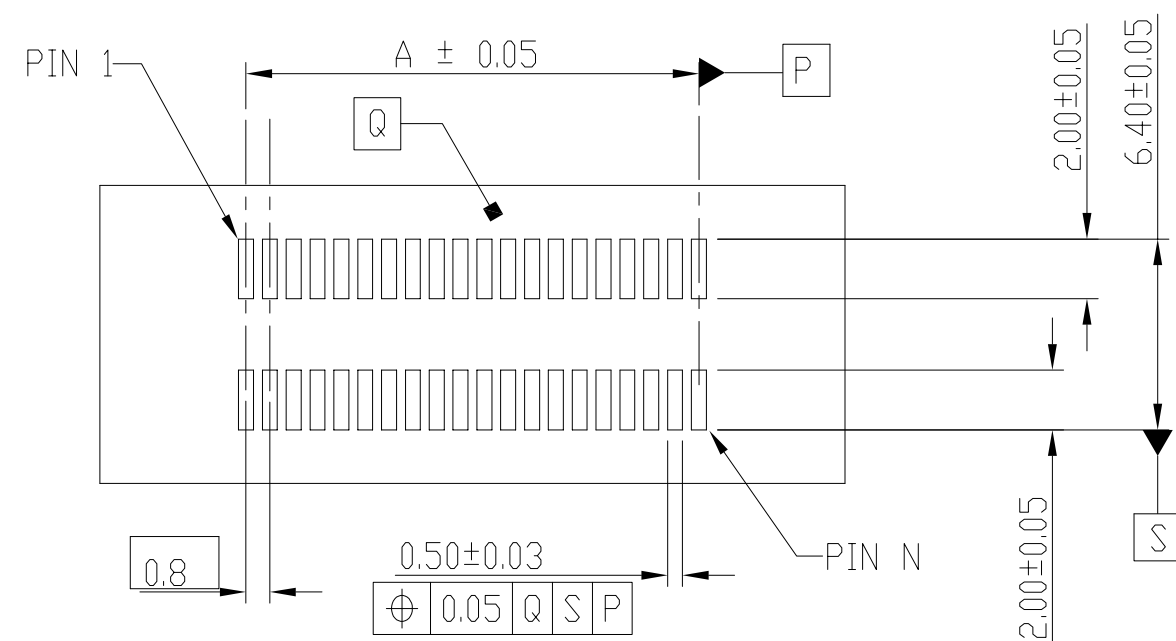


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MONTH<01~12>
YEAR<00~99>

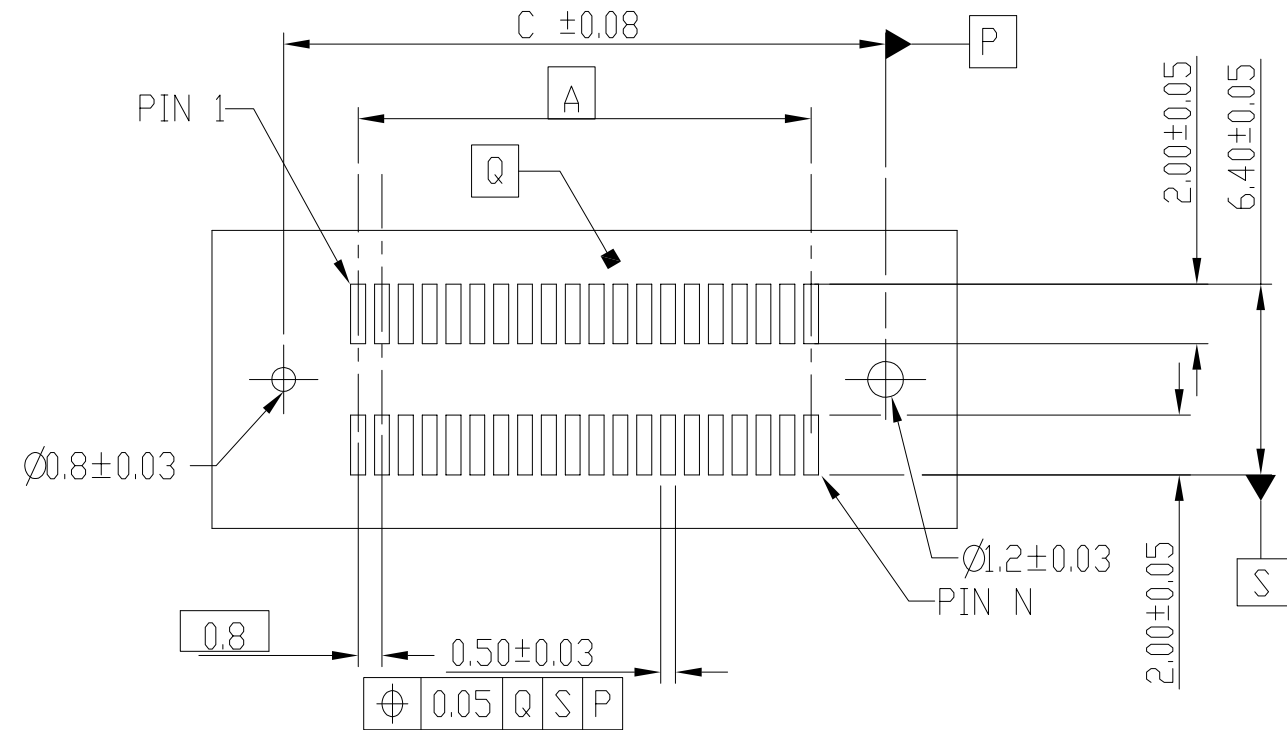


mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm scale 1:1	title PLUG ASSY BERGSTAK 0.8MM			
AS				angles	.0±.2					
				linear	.00±.15					
				0°±3°	.000±.10					
				dr	GuoMin Sun	2014-10-21	dwg no		sheet5 of 6	size
				enr	Bob Gu	2020-01-10	61083			A3
				chr	LQ Lei	2020-01-10				
				appd	Tim Yao	2020-01-10	type Product Customer Drawing			
sheet index	revision sheet	AS 1								

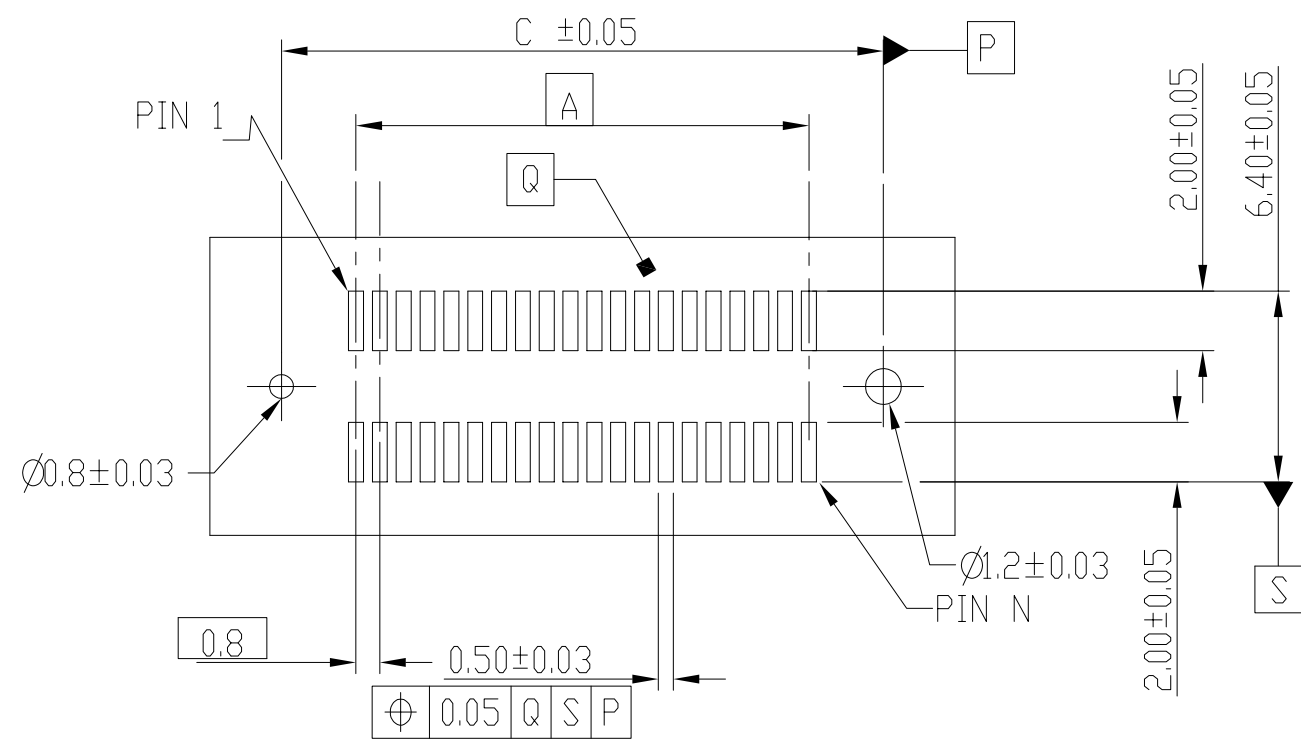
FOR PLUG 1/2/3/4



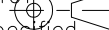
RECOMMENDED PCB LAYOUT WITHOUT PEG FOR
NO. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



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								title															
AS								angles				linear				.0±.2															
																.00±.15															
								0°±3°								.000±.10				scale 1:1											
								dr		GuoMin Sun				2014-10-21								dwg no				sheet6 of 6				size	
								enr		Bob Gu				2020-01-10								61083				A3					
								chr		LQ Lei				2020-01-10																	
								appd		Tim Yao				2020-01-10								type Product Customer Drawing									
sheet index		revision sheet		AS 1																											