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() Amphenol
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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

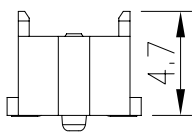
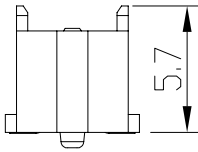
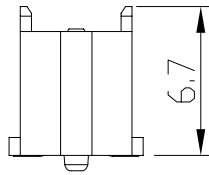
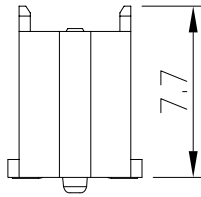
NOTE 10

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.

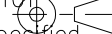
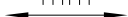
THE P/N 61083-*****P OR 61083-*****PLF NEED PRINT DATE CODE.

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

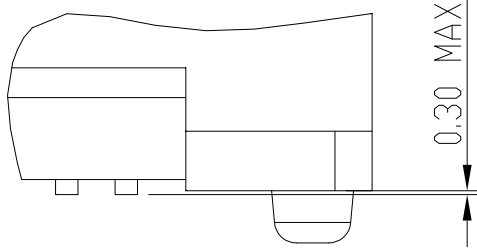
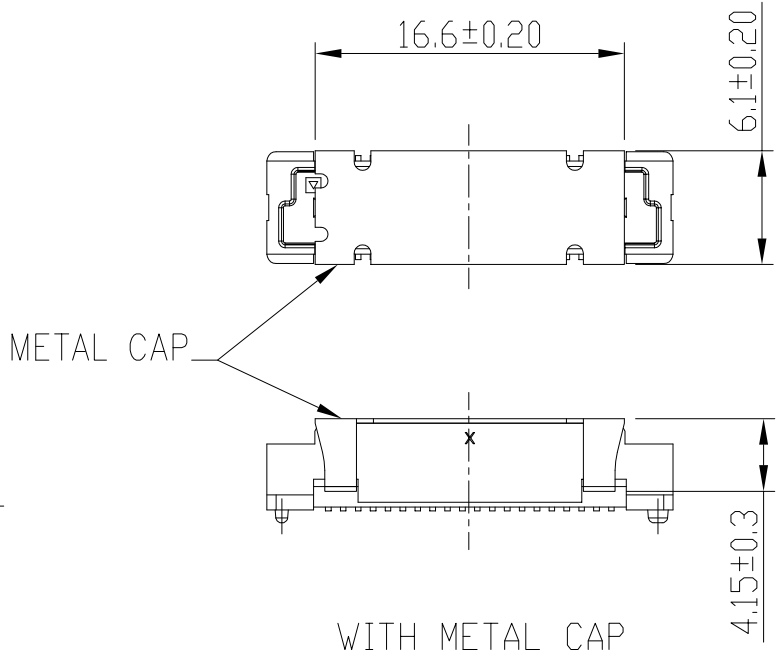
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ltr				ecn no		dr		date		tolerances unless otherwise specified				title		PLUG ASSY BERGSTAK 0.8MM													
AP				ELX-N-33922		Bob		2019-07-05		angles		linear		.0±.2												mm 		scale 1:1	
AR				ELX-N-34967		Bob		2019-09-26						.00±.15															
AS				ELX-N-35593		Bob		2020-01-10		0°±3°				.000±.10															
										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

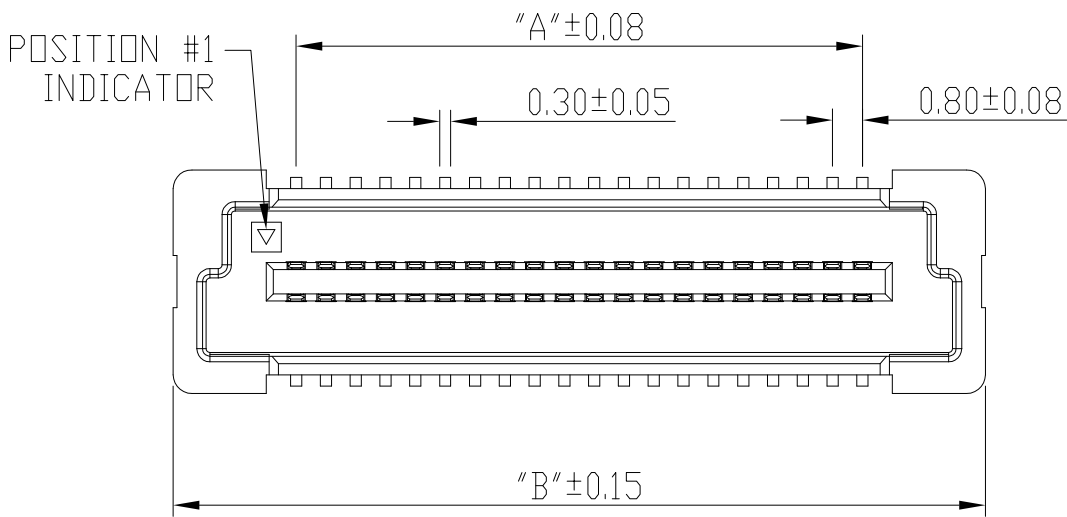
Printed: Jan 16, 2020

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

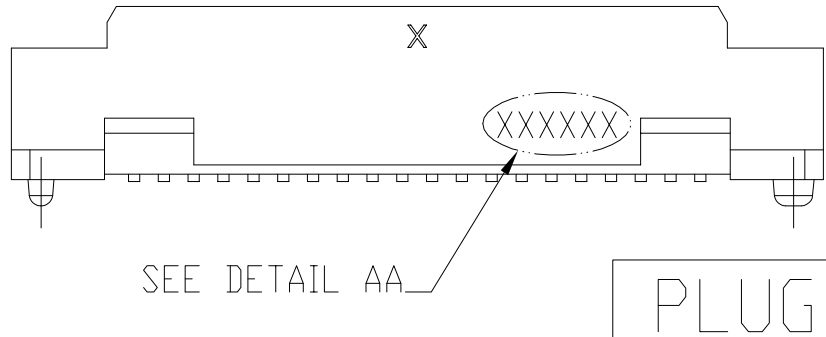
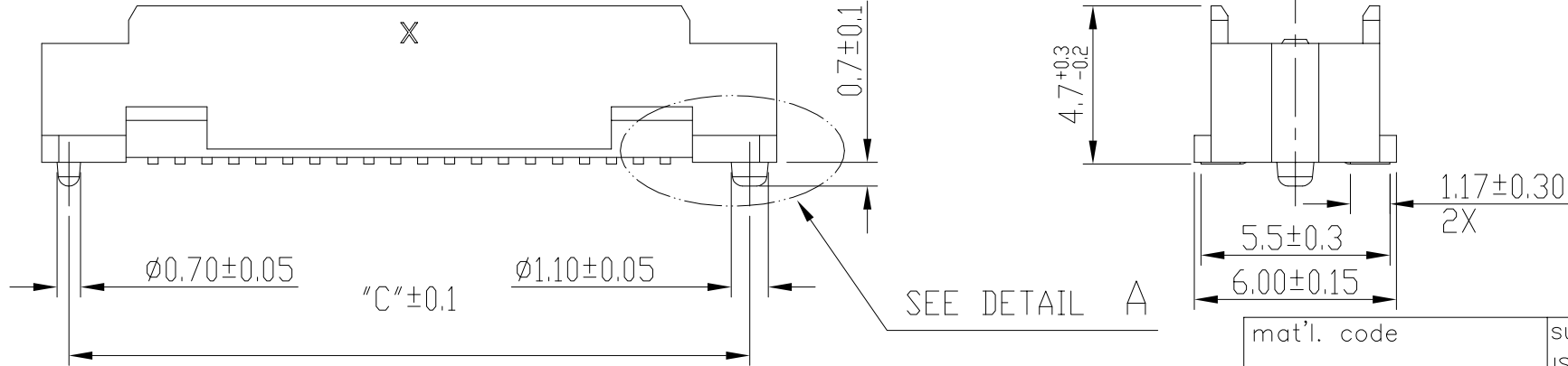
DETAIL A
SCALE 10:1



DATE CODE: XXXXXX

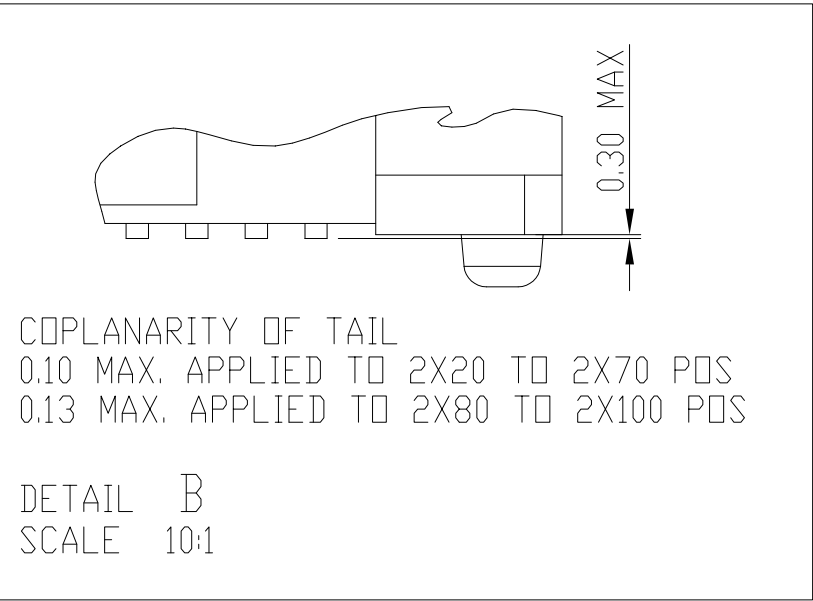
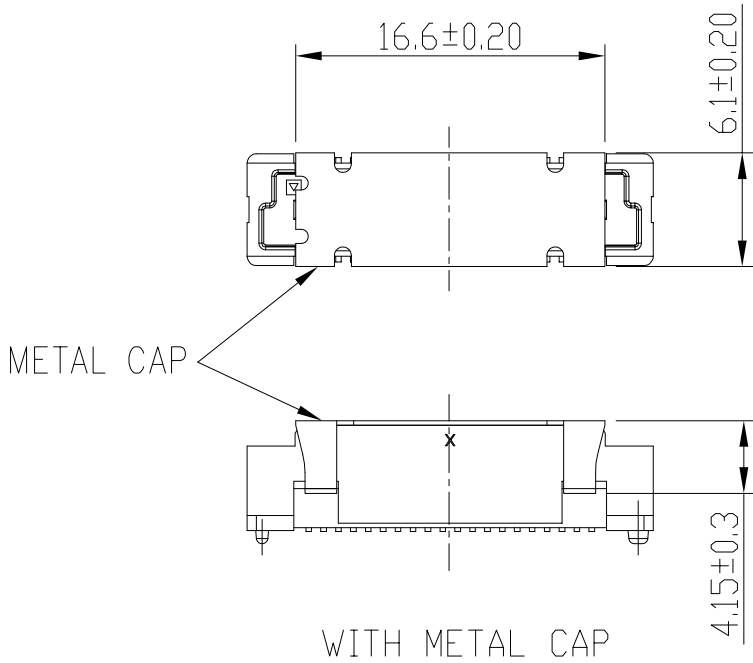
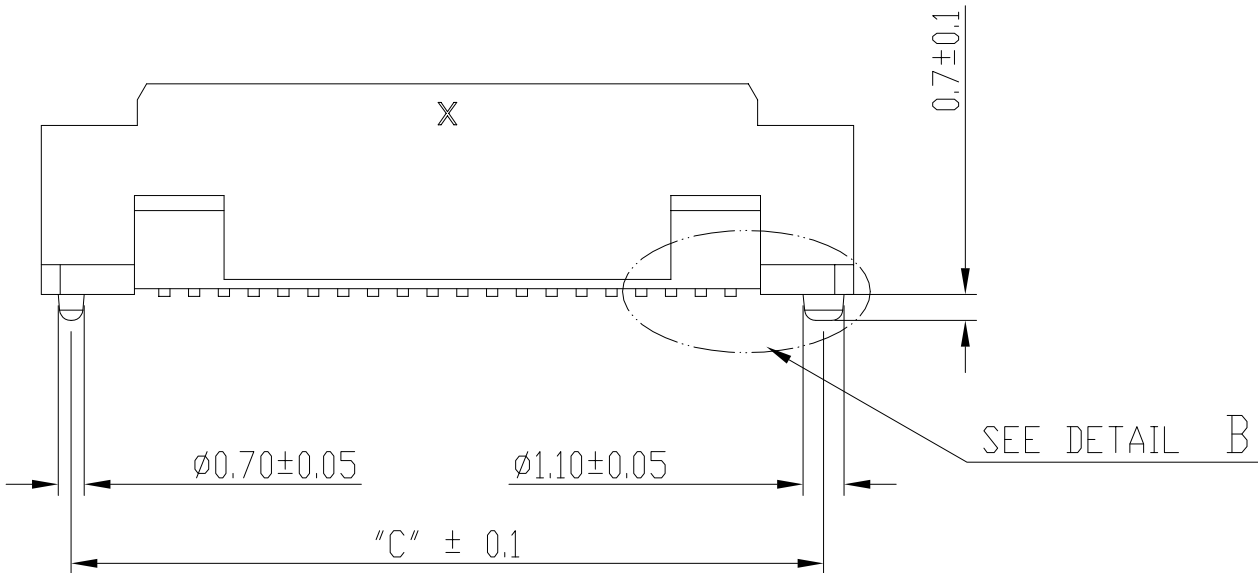
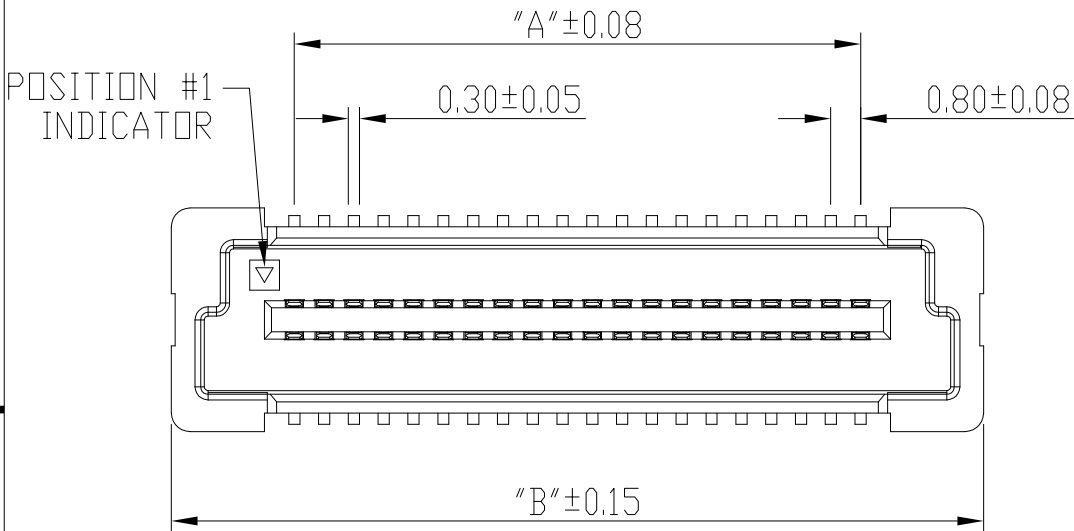
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MONTH<01~12>
YEAR<00~99>

DETAIL AA



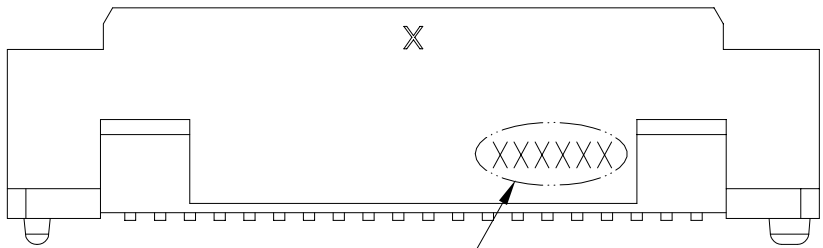
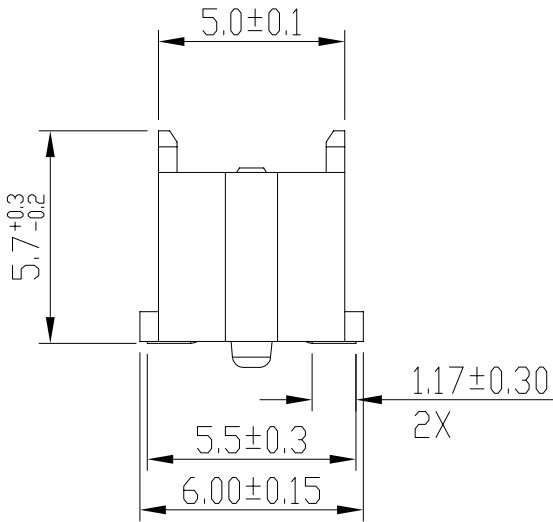
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title PLUG ASSY BERGSTAK 0.8MM			
AS				angles	.0±.2					
				linear	.00±.15					
				0°±3°	.000±.10	scale 1:1				
				dr	GuoMin Sun	2014-10-21	dwg no		sheet2 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								

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

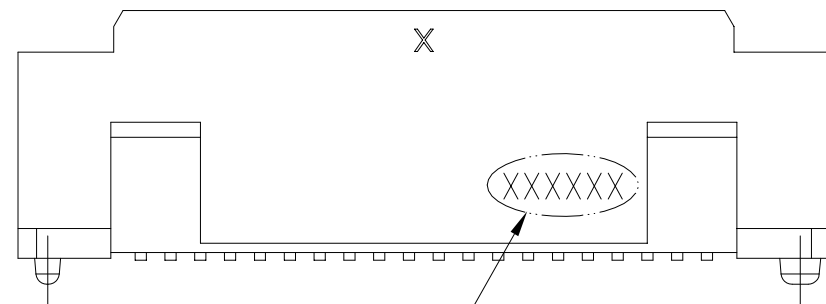
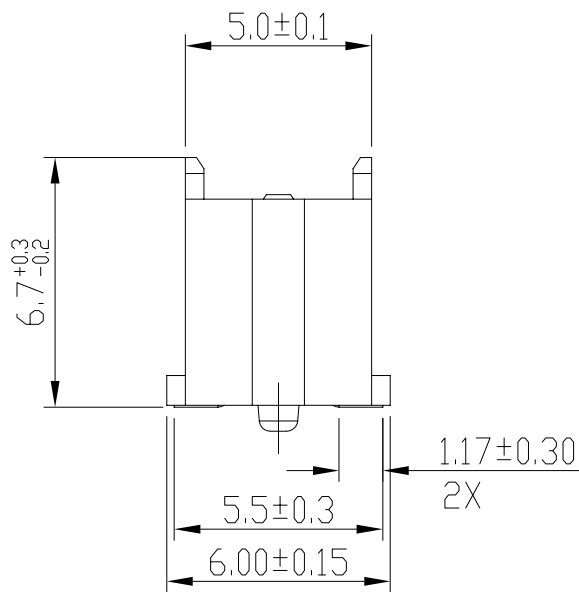
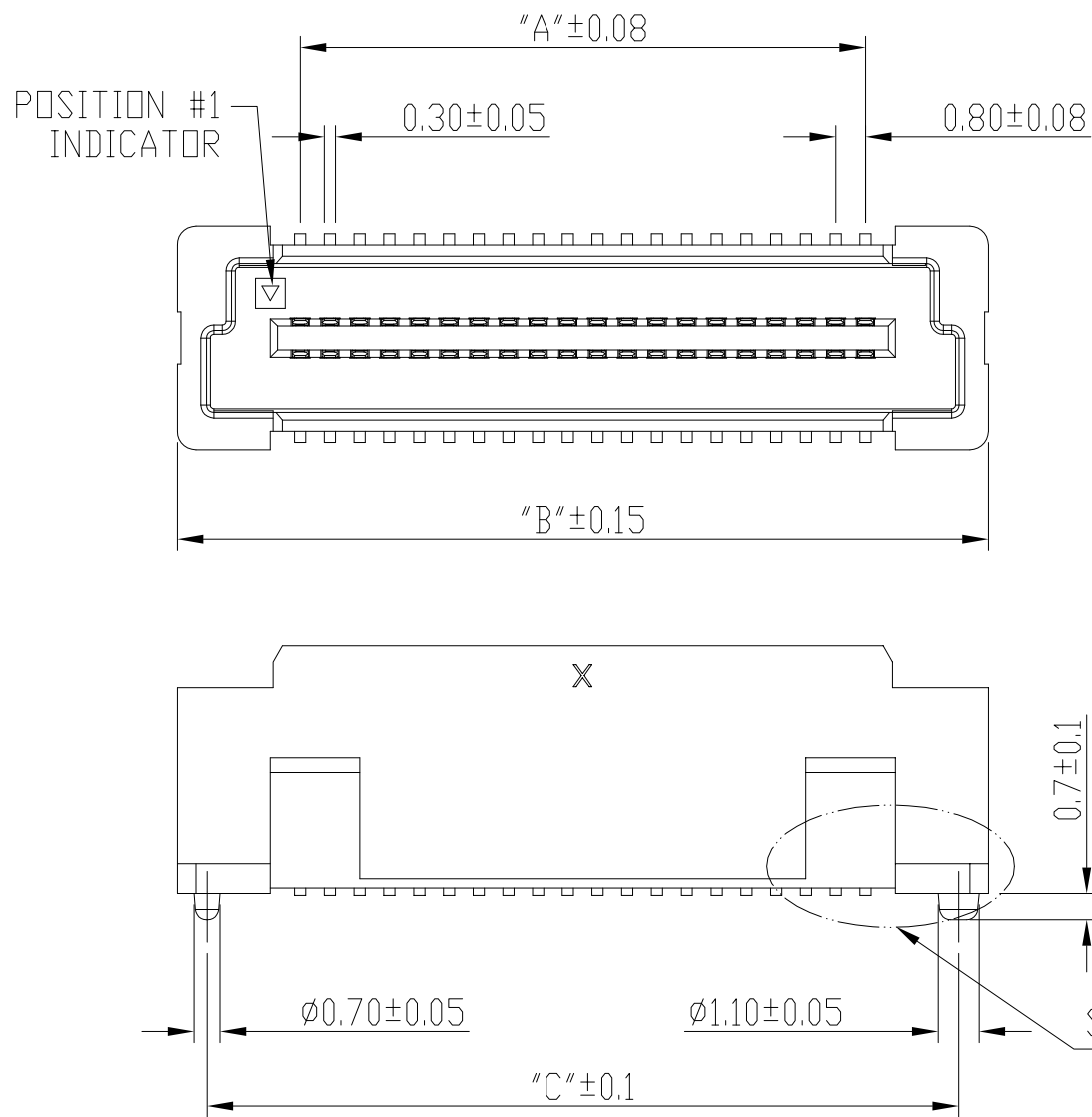
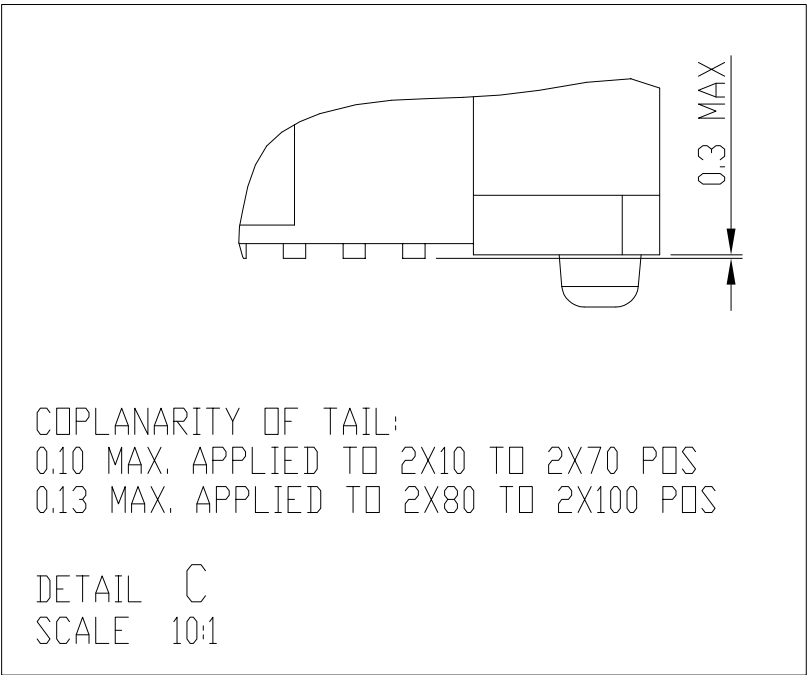
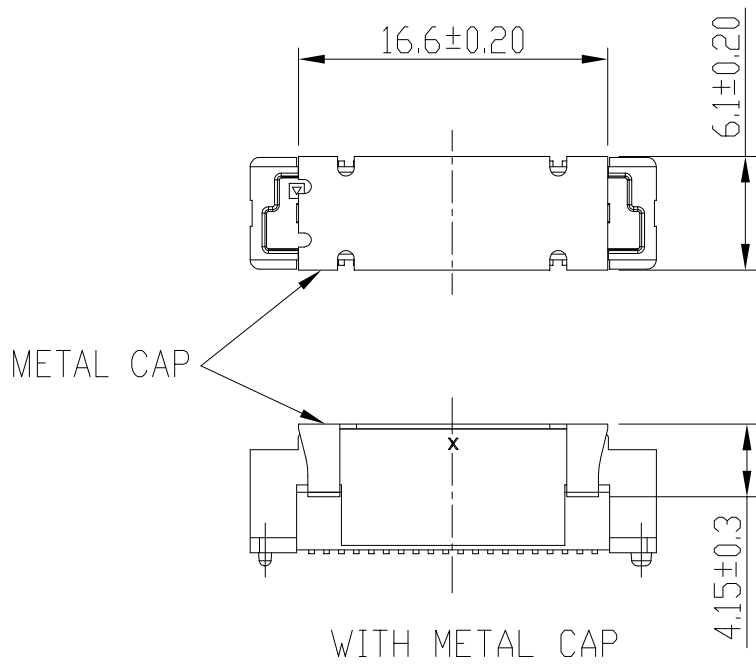


SEE DETAIL BB

PLUG 2

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			
AS				angles	.0±.2		PLUG ASSY BERGSTAK 0.8MM			
				linear	.00±.15					
				0°±3°	.000±.10	scale 1:1	dwg no			
				dr	GuoMin Sun	2014-10-21	sheet3 of 6			
				enr	Bob Gu	2020-01-10	61083			
				chr	LQ Lei	2020-01-10				
				appd	Tim Yao	2020-01-10	type Product Customer Drawing			
sheet index	revision sheet	AS	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

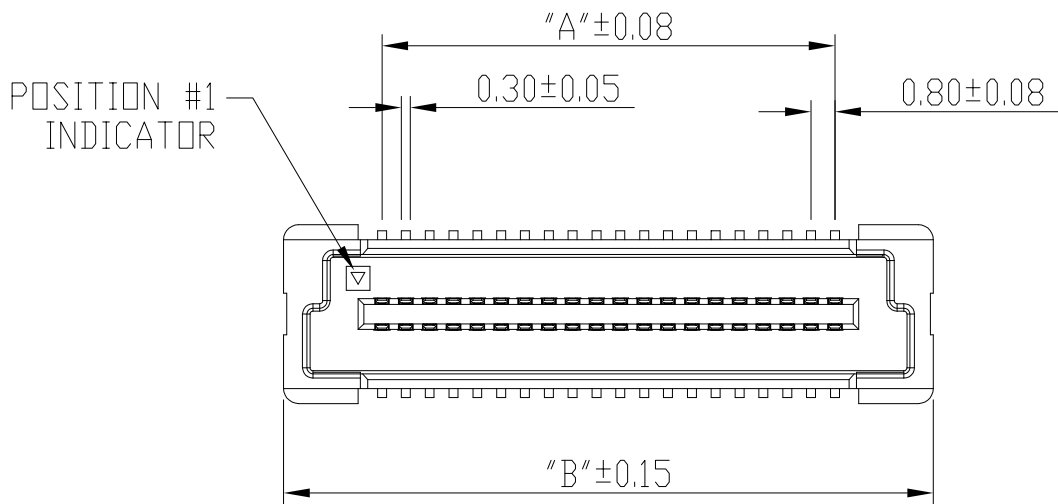
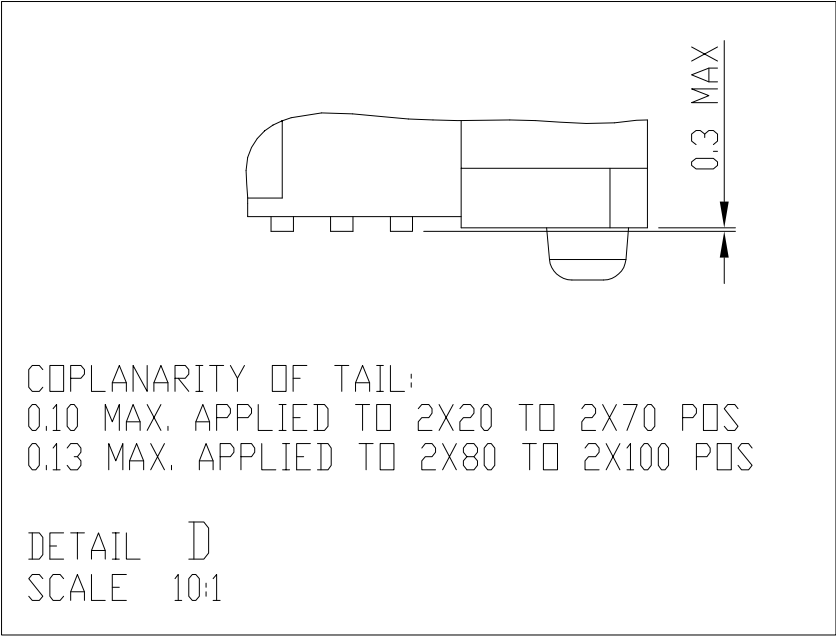
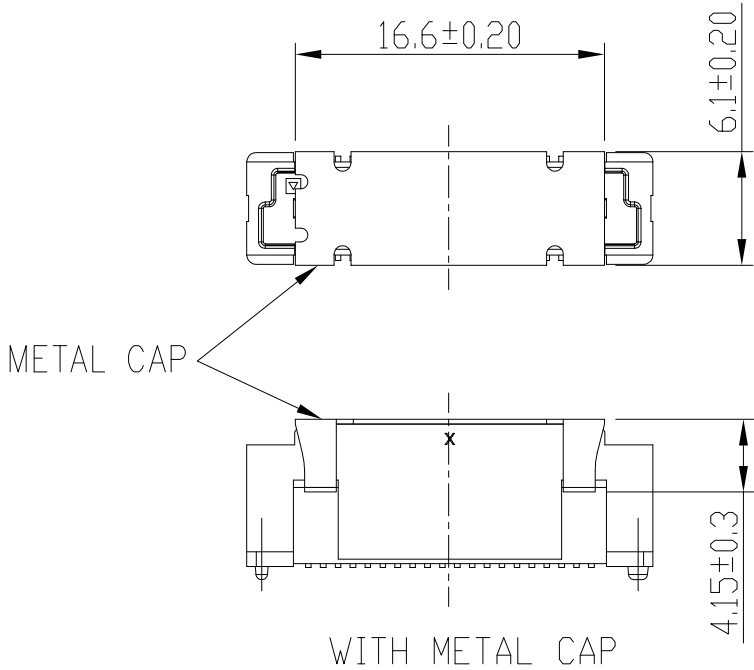


DATE CODE: XXXXXX
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MONTH(01~12)
YEAR(00~99)
DETAIL CC

PLUG 3

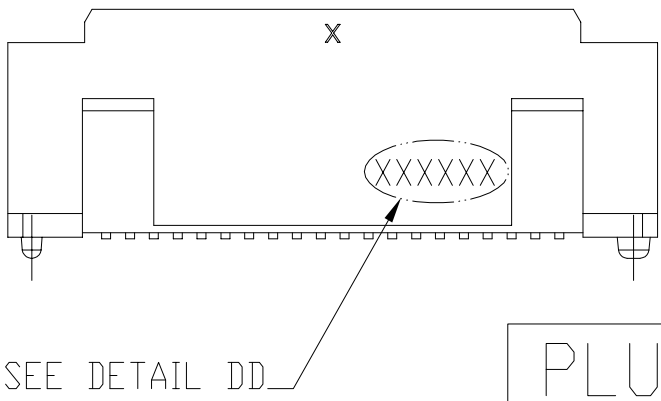
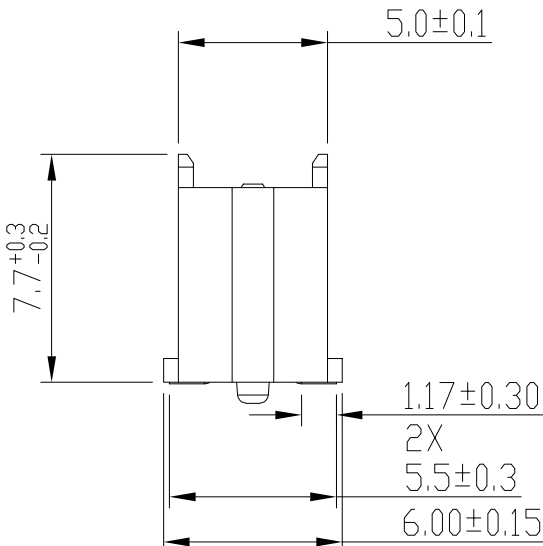
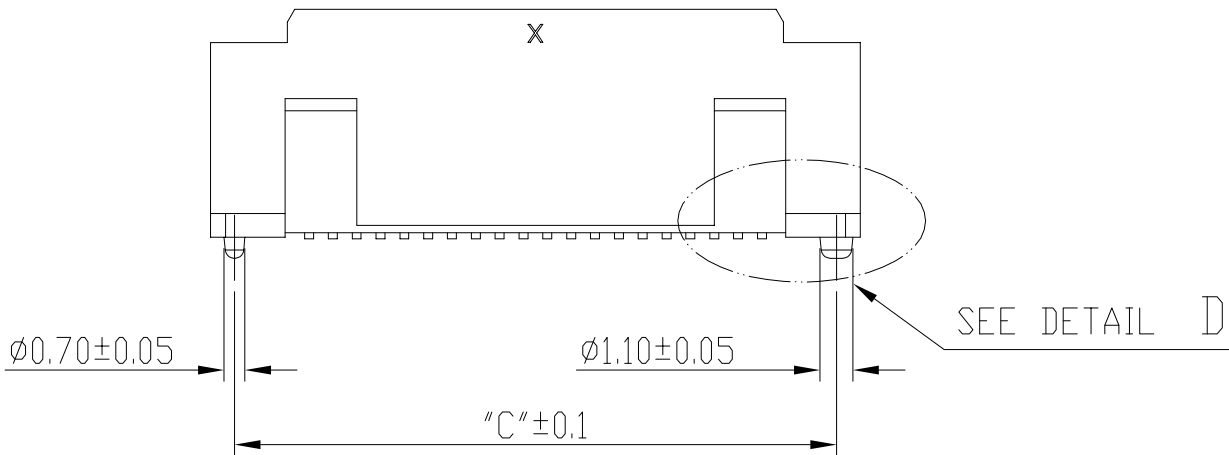
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Itr	ecn no	dr	date	tolerances unless otherwise specified		mm	title PLUG ASSY BERGSTAK 0.8MM			
AS				angles	linear					
				0°±3°		scale 1:1				
				dr	GuoMin Sun	2014-10-21	dwg no		sheet 4 of 6	size
				enr	Bob Gu	2020-01-10	61083			A3
				chr	LQ Lei	2020-01-10				
				appd	Tim Yao	2020-01-10	type Product Customer Drawing			
sheet index	revision sheet	AS 1								

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

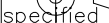


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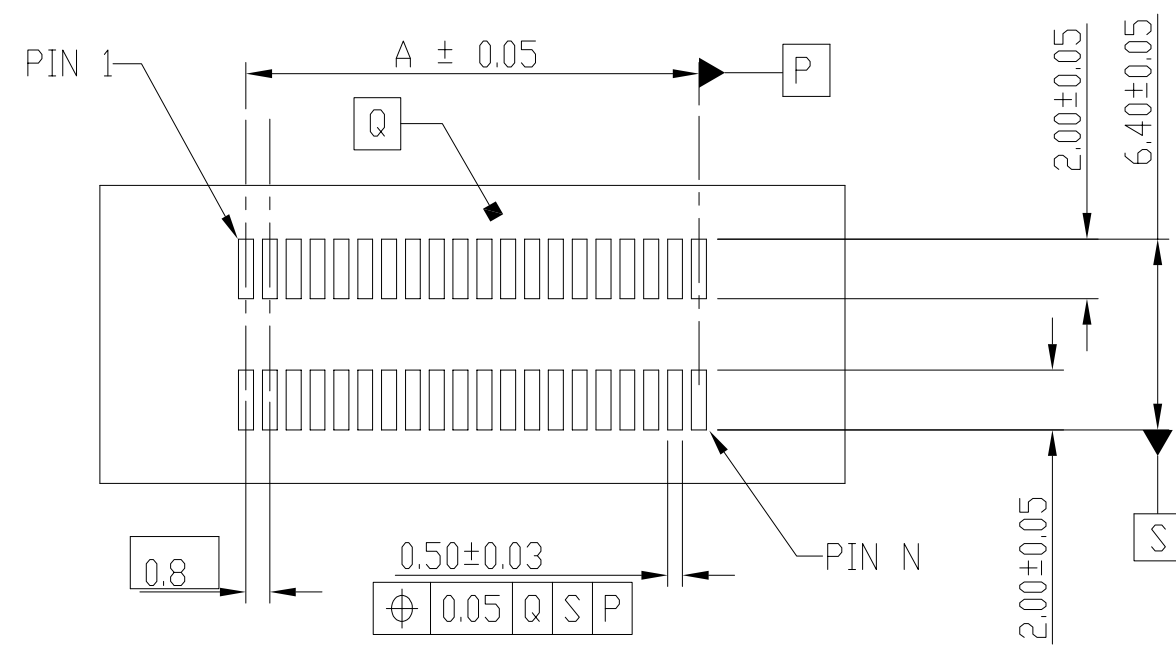
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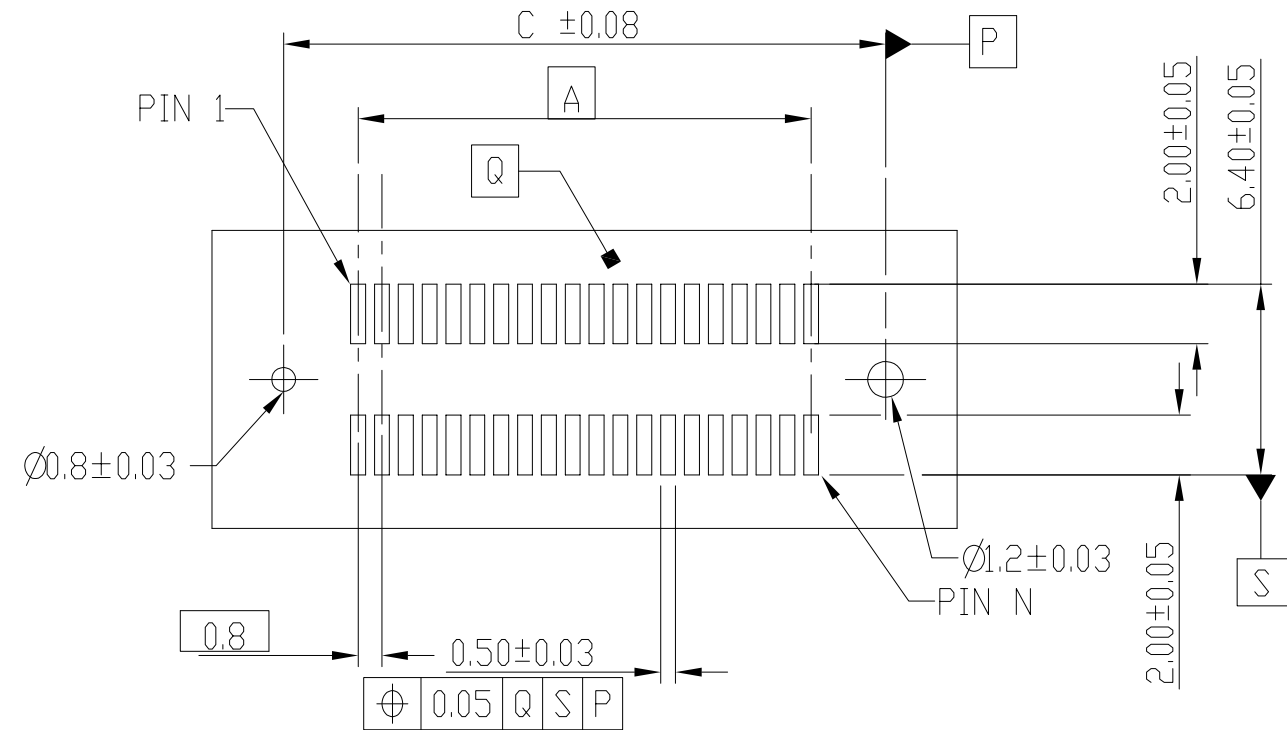
PLUG 4

mat'l. code				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 		product family BERGSTAK HPL545																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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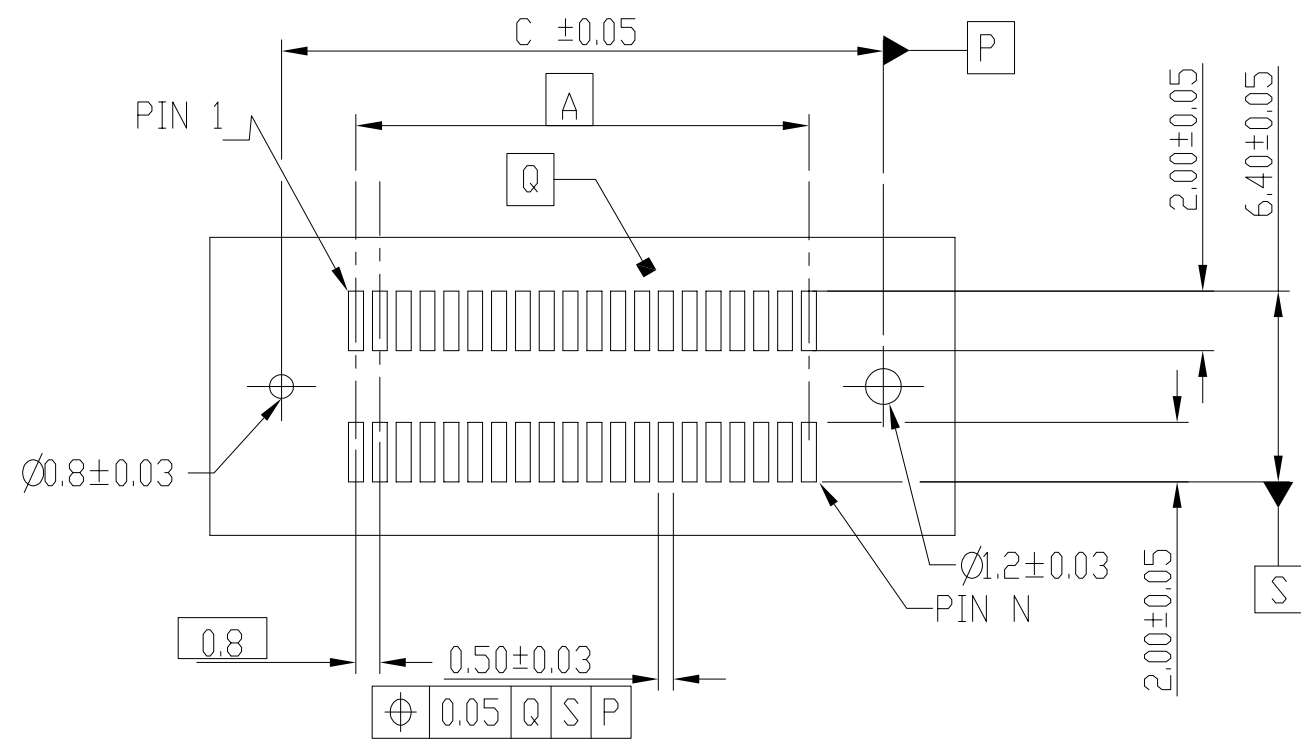
FOR PLUG 1/2/3/4



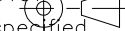
RECOMMENDED PCB LAYOUT WITHOUT PEG FOR
NO. OF POS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



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 PLUG ASSY BERGSTAK 0.8MM									
AS				angles		linear		.0±.2												
								.00±.15												
				0°±3°				.000±.10												
				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																