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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

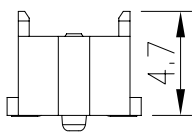
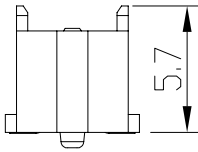
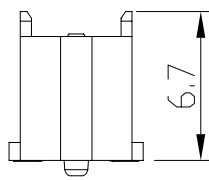
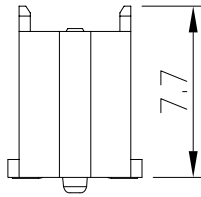
NOTE 10

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.

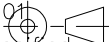
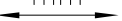
THE P/N 61083-*****P OR 61083-*****PLF NEED PRINT DATE CODE.

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

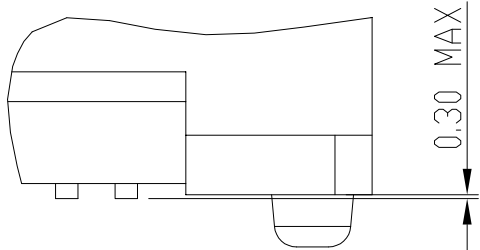
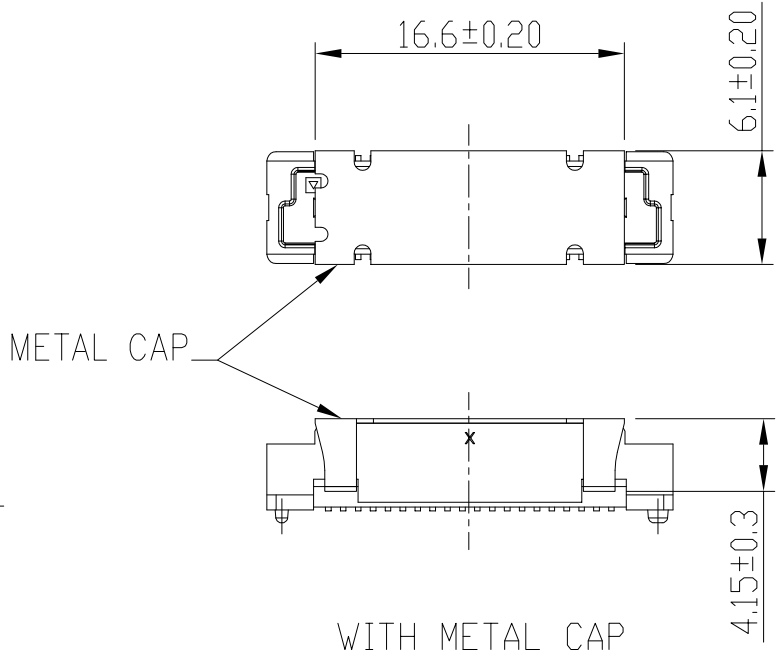
mat'l. code				surface ISO 1302 ✓				tolerance ISO 406 ISO 1101				projection 		product family BERGSTAK HPL545													
ltr	ecn no	dr	date	tolerances unless otherwise specified				angles linear				mm 		title PLUG ASSY BERGSTAK 0.8MM													
AP	ELX-N-33922	Bob	2019-07-05					.0±.2																			
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 index		revision		AL	AM	AN	AP	AR	AS					type Product Customer Drawing													
		sheet		1~6	1~6	1~6	1	1	1																		

PDS: Rev :AS

STATUS:Released

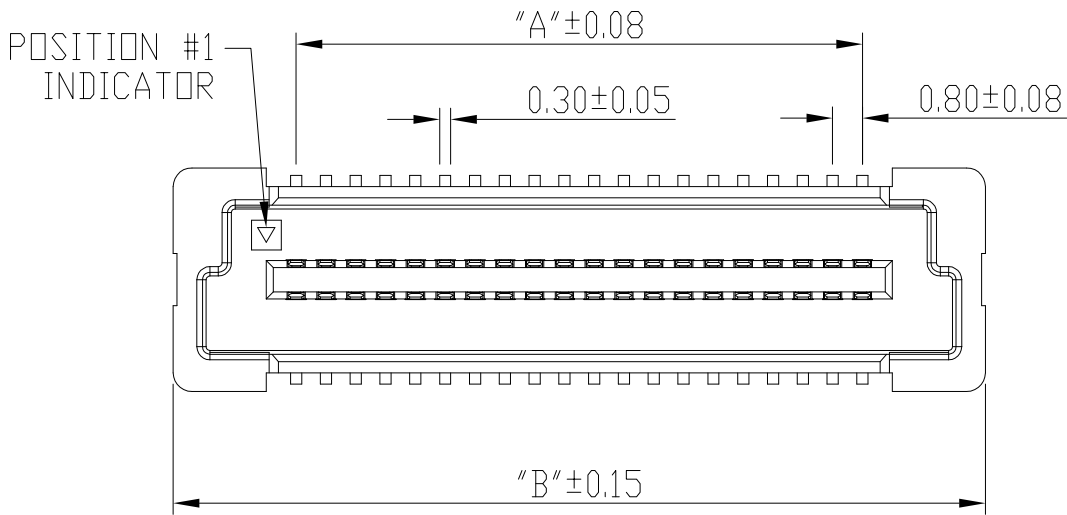
Printed: Jan 16, 2020

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



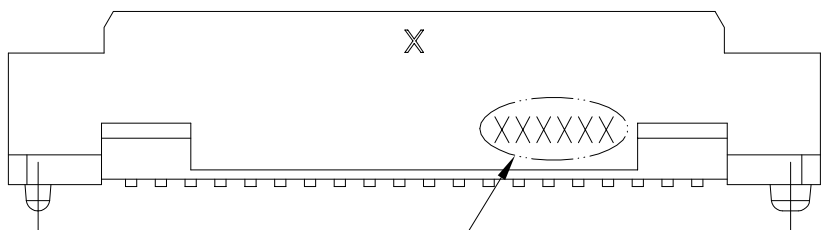
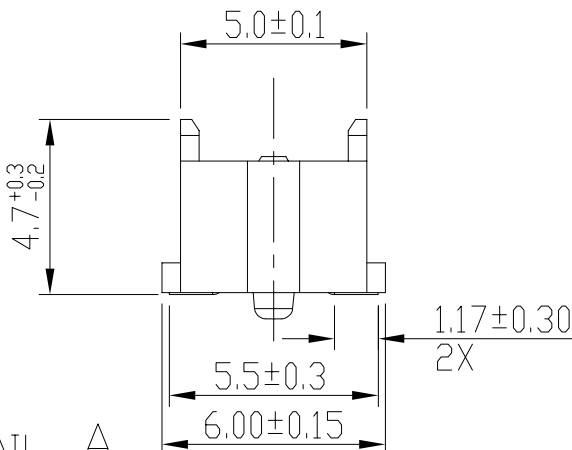
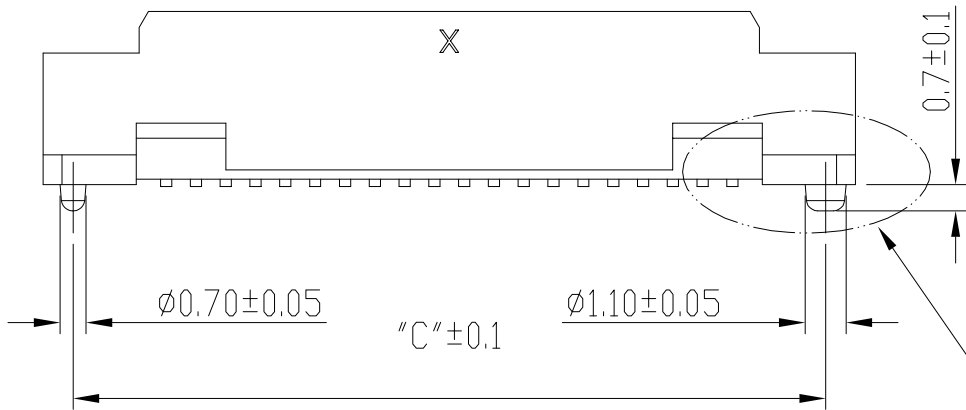
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X10 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL A
SCALE 10:1



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

DETAIL AA

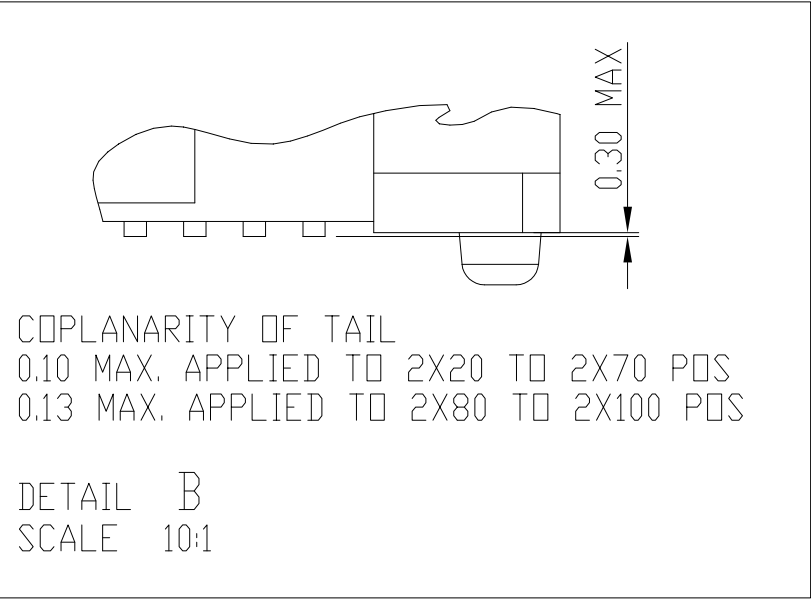
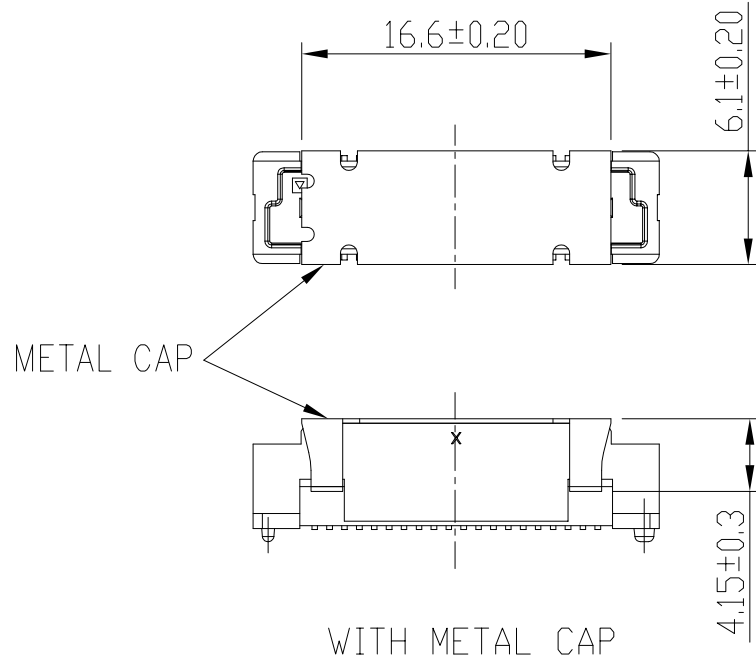
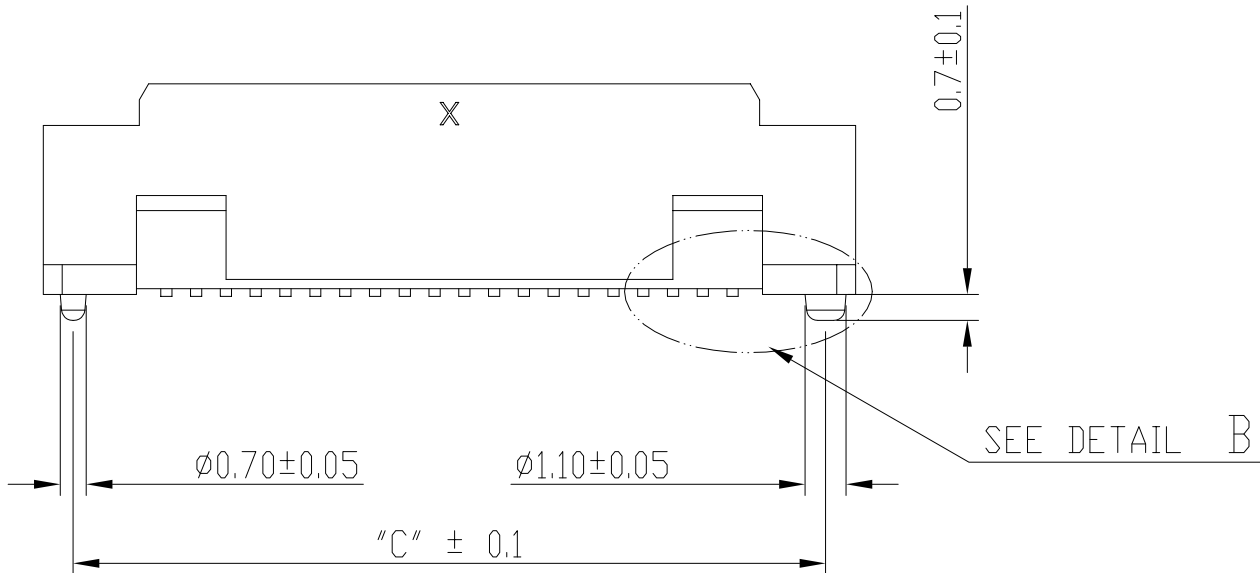
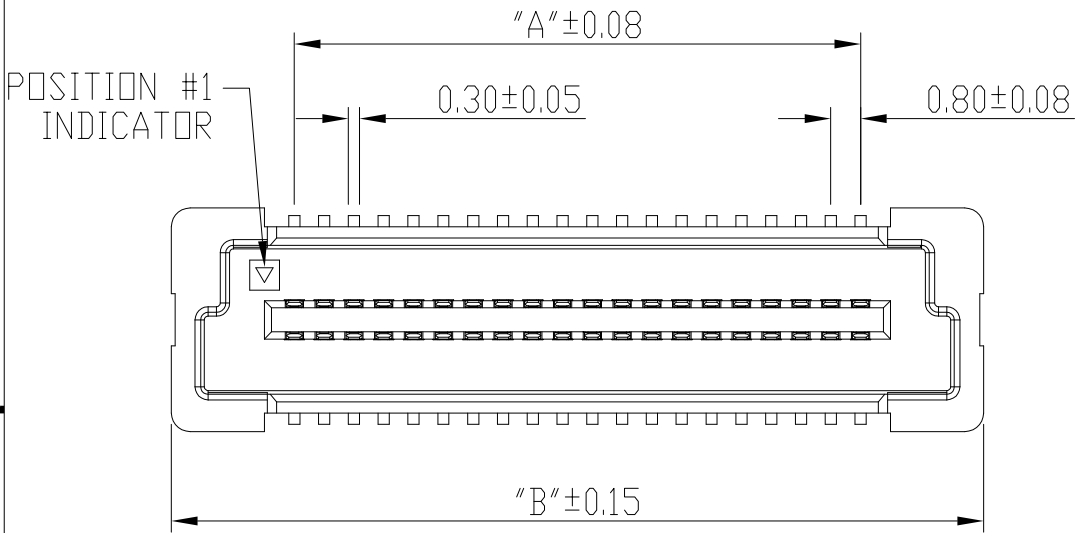


SEE DETAIL AA

PLUG 1

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

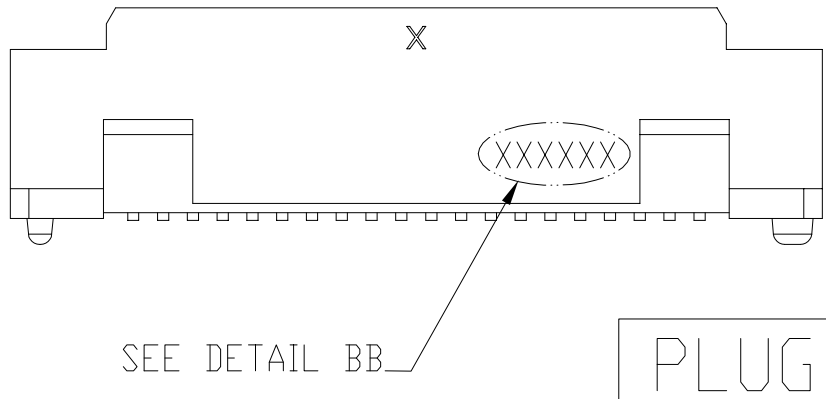
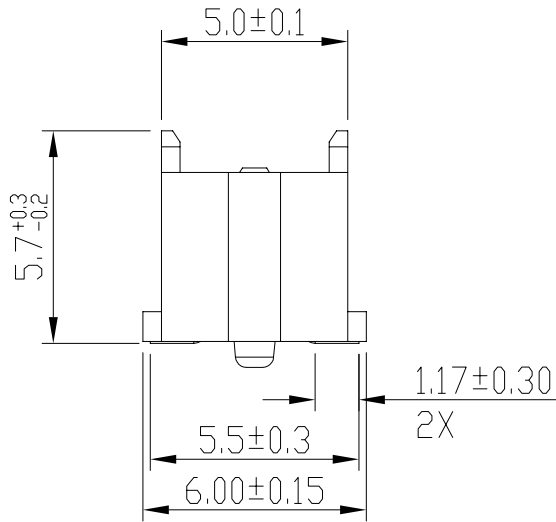
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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

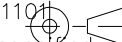


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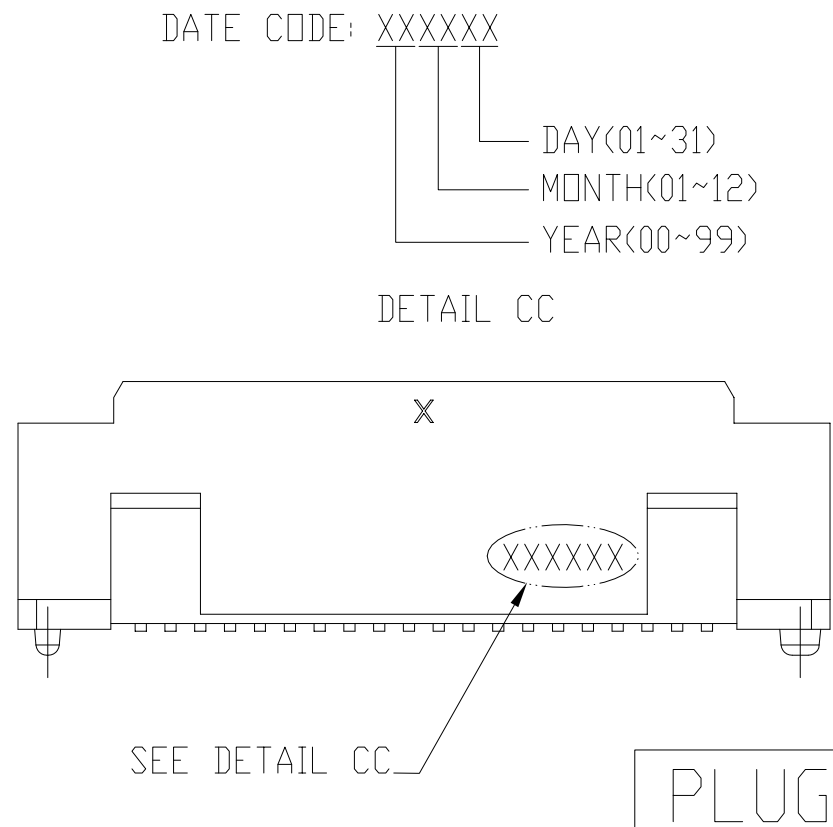
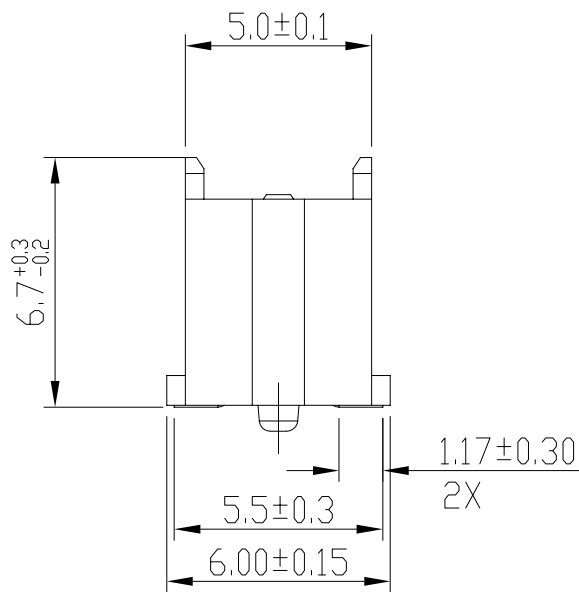
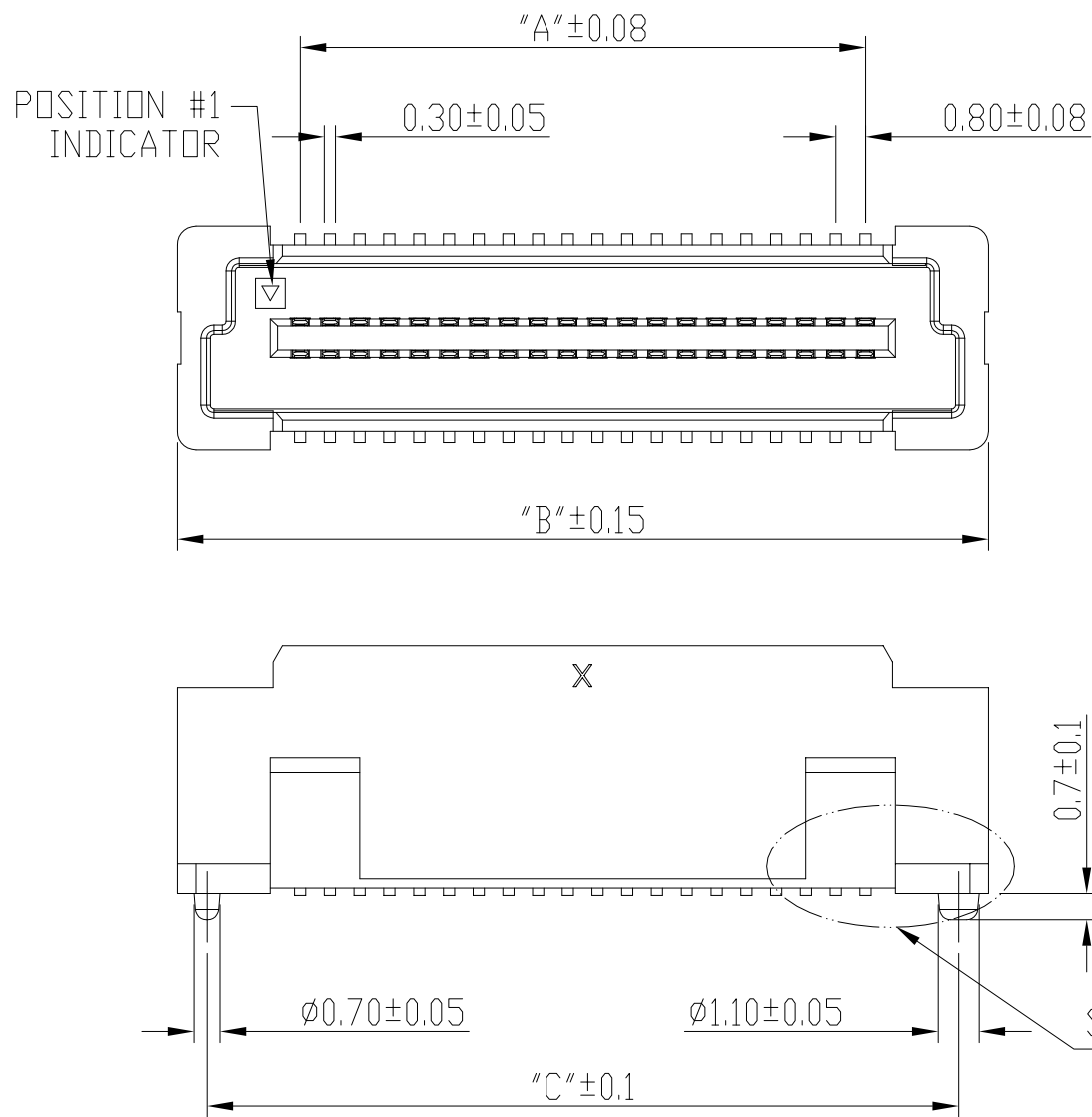
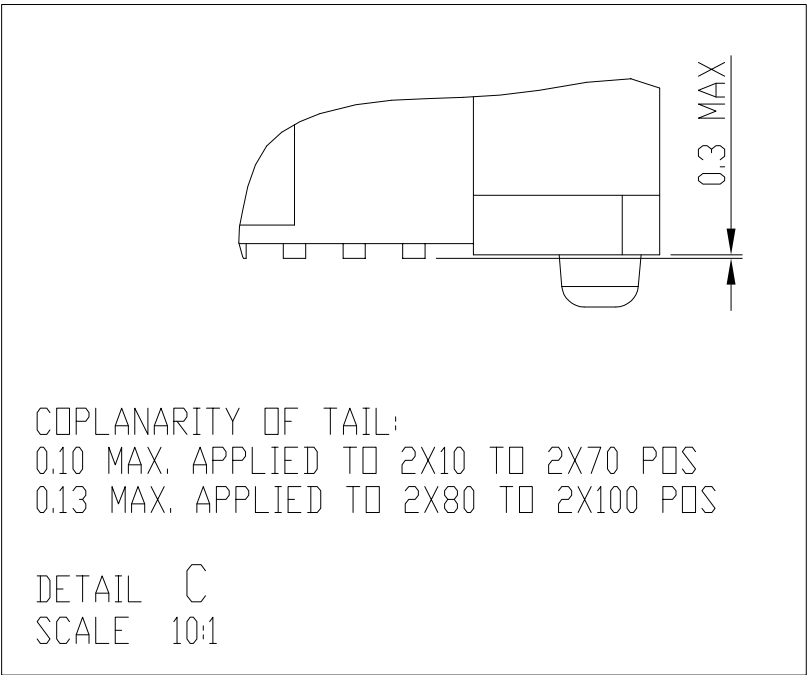
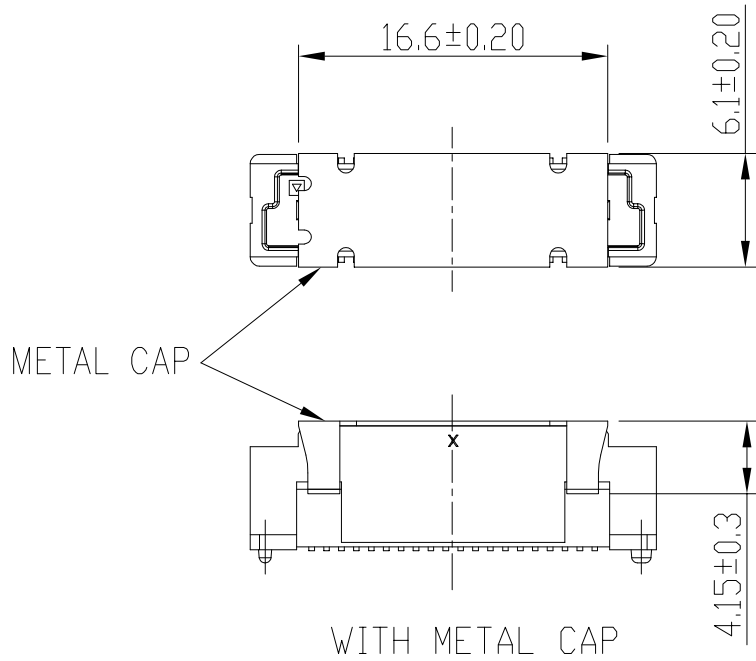
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

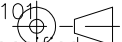
DETAIL BB



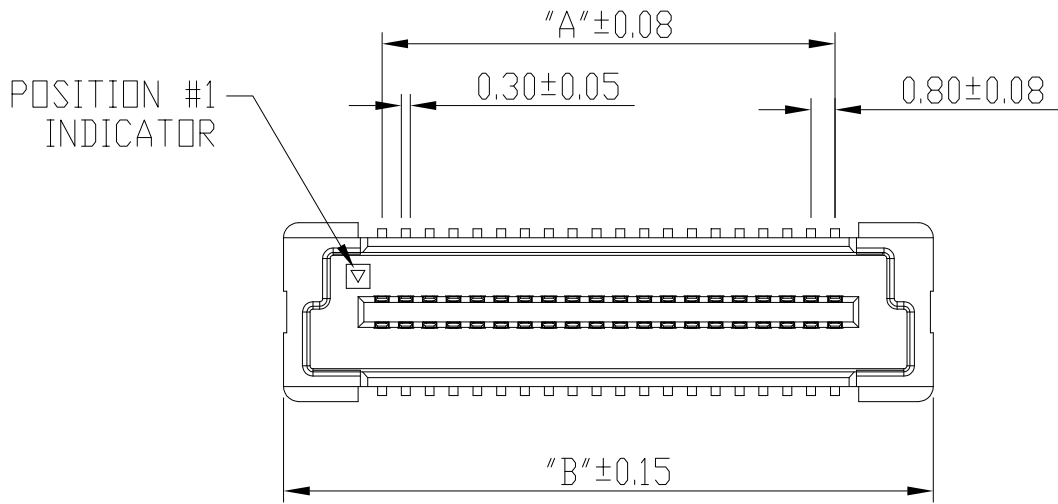
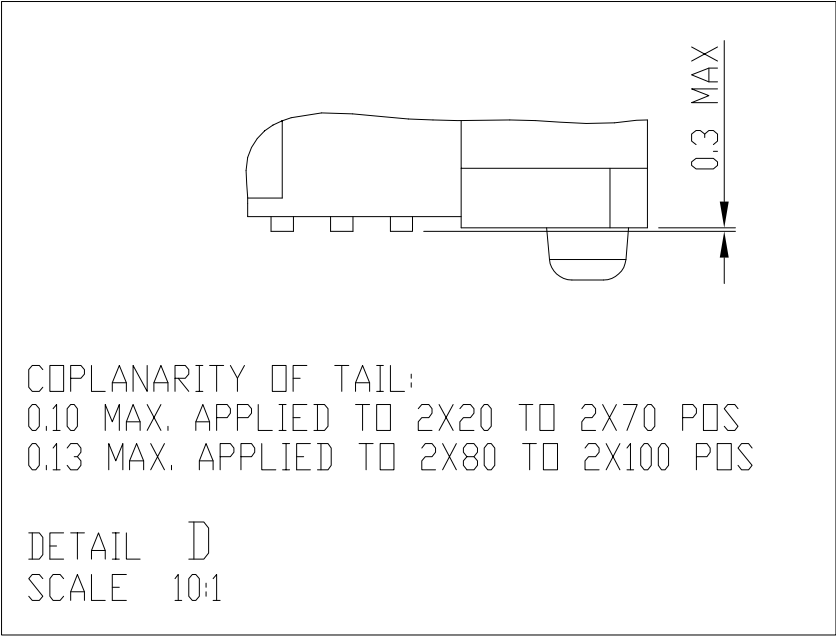
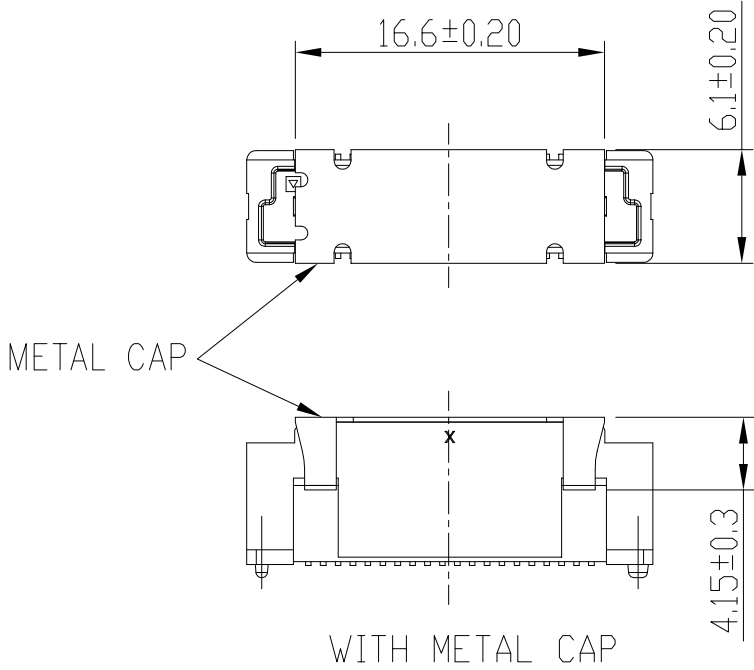
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PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-023***	2X10	7.2	13.8	12.2
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	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

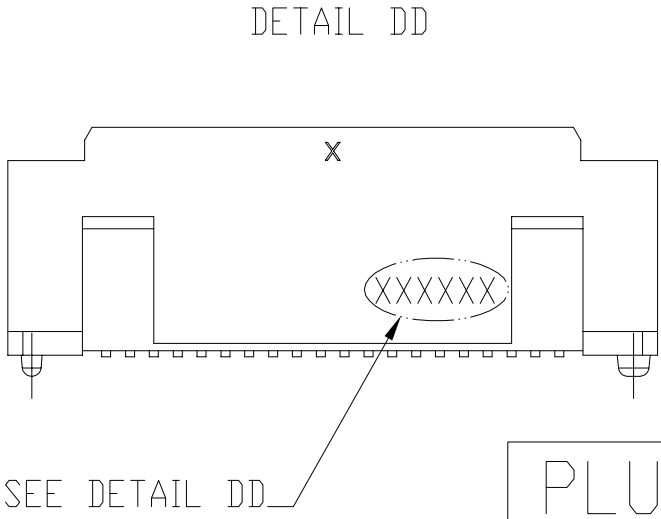
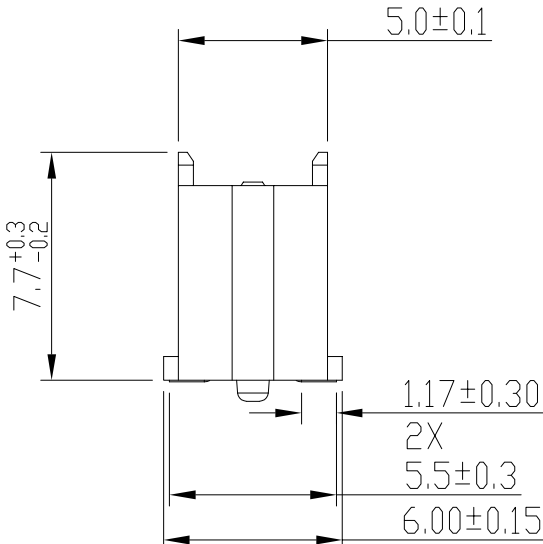
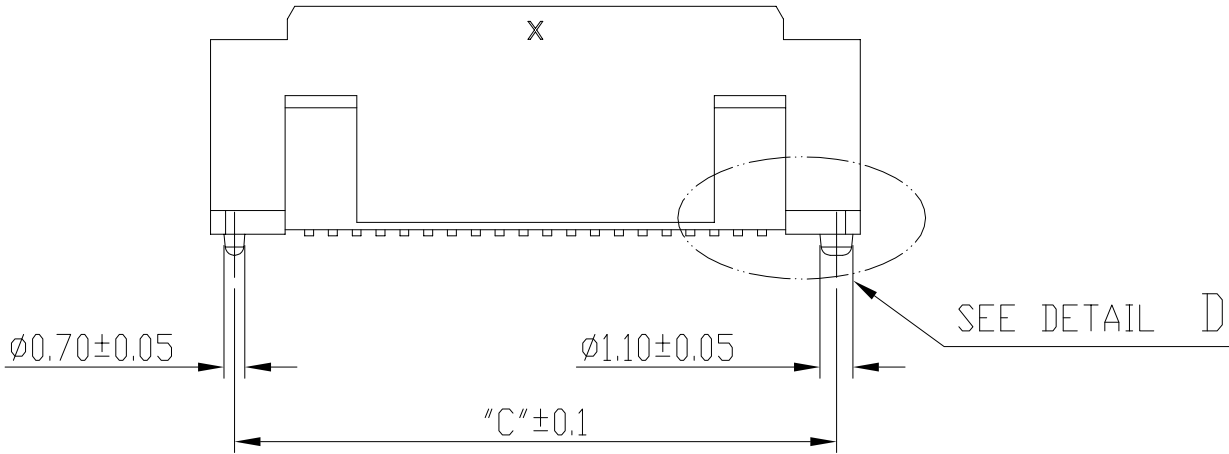


mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545																																																																																																																																																																																																		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



DATE CODE: XXXXXX
DAY<01~31>
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				
sheet index	revision sheet	AS 1					type Product Customer Drawing			



B



D



B

C