

61083-

AA B C D E G 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

D	PEG
0	YES
2	NO

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

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

E	PACKAGING	
0	TUBE WITHOUT METAL CAP	
2	T&R WITH METAL CAP	NOTE 10
9	TUBE WITH METAL CAP	NOTE 10
6	T&R WITH KAPTON TAPE	NOTE 11
7	T&R WITH PLASTIC CAP	NOTE 10
Q	T&R WITHOUTL CAP	

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

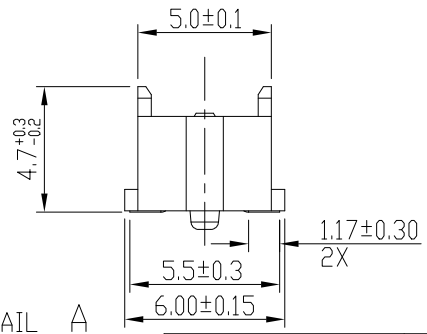
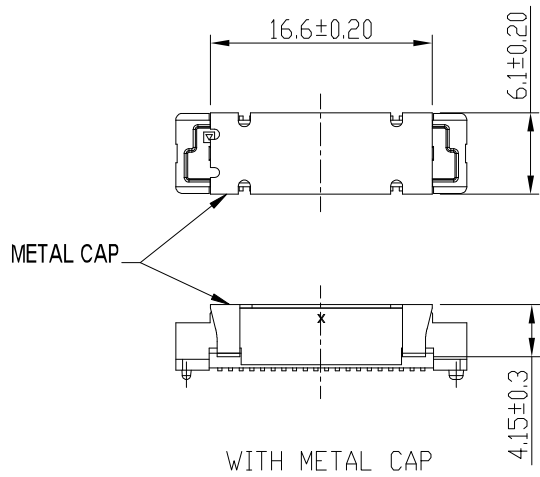
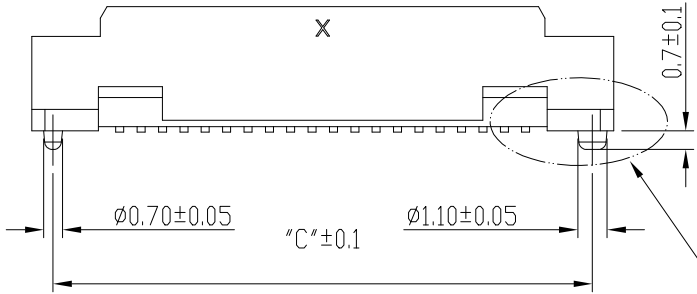
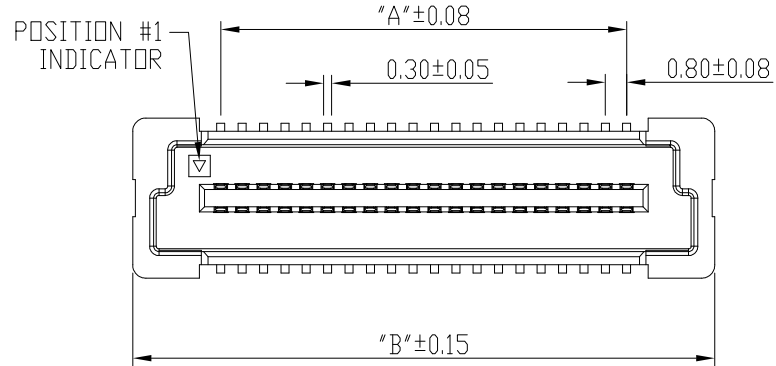
NOTE:

- MATERIAL:
HOUSING: G.F. LCP, NATURAL, UL94-V0
TERMINAL: BRASS
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- PACKAGING OPTION 2: NOT ALL SIZES ARE AVAILABLE. CHECK WITH FACTORY.
- THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION "1".
- HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 PDS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.
- THE P/N 61083-***** OR 61083-*****LF NOT PRINT DATE CODE.
THE P/N 61083-*****P OR 61083-*****PLF NEED PRINT DATE CODE.
- POSITION 2X10 TYPE ONLY APPLY TO PLUG 1 AND PLUG 3.
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
- KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.

C	PLATING	FF
0	GOLD 0.2um MIN. ON CONTACT AREA ; TIN LEAD 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA ; TIN LEAD 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN ON CONTACT AREA ; PURE MATT TIN 2.5um MIN ON SOLDER TAIL; NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
5	GOLD 0.38um MIN ON CONTACT AREA ; MATT PURE TIN 2.5um MIN ON SOLDER TAIL; NICKEL UNDERPLATE OVERALL 1.27um MIN (LEADFREE PLATING)	LF
6	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA ; PURE MATT TIN 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
7	GOLD 0.76um MIN ON CONTACT AREA ; PURE MATT TIN 2.5um MIN ON SOLDER TAIL; NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
9	GOLD 0.2um MIN ON CONTACT AREA ; GOLD 0.05um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	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		mm	title			
AG		GM	10/19/16	angles			PLUG ASSY BERGSTAK 0.8MM			
AH	ELX-N-25161	Bob	10/19/16	linear						
AJ	ELX-N-25201	Bob	12/29/16	0±3°			scale 1:1			
AK	ELX-N-26185	Bob	02/27/17	dr	GuoMin Sun	10/21/14	dwg no			
AL	ELX-N-26381	Bob	03/17/17	enrg	Bob Gu	11/22/18				
AM	ELX-N-30296	Bob	05/28/18	chr	LQ Lei	11/22/18	sheet 1 of 6			
AN	ELX-N-30741	Bob	11/22/18	appd	Tim Yao	11/22/18	size			
sheet	revision	AL	AM	AN			61083			
index	sheet	1~6	1~6							
								type		
								Product Customer Drawing		

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



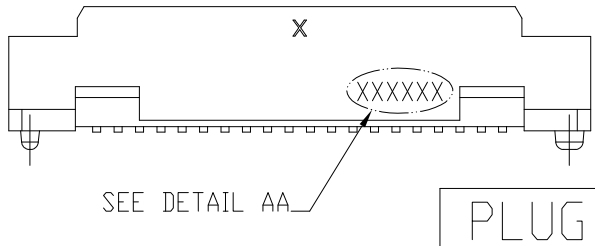
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X10 TO 2X70 PDS
0.13 MAX. APPLIED TO 2X80 TO 2X100 PDS

DETAIL A
SCALE 10:1

DATE CODE: XXXXXX

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

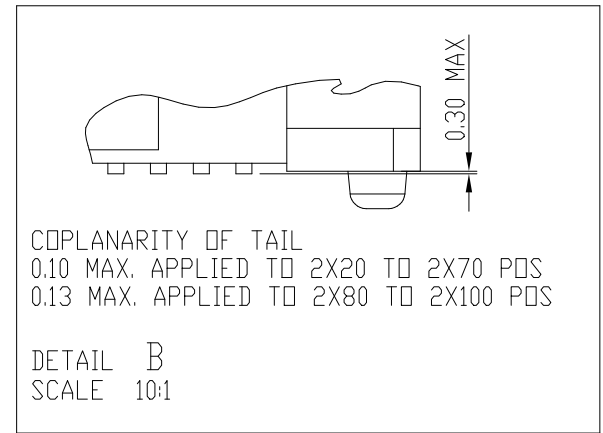
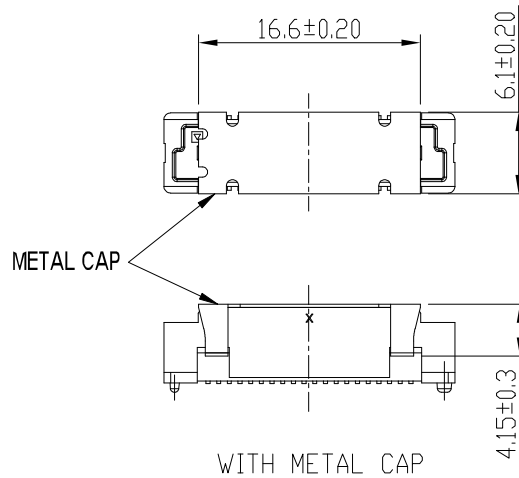
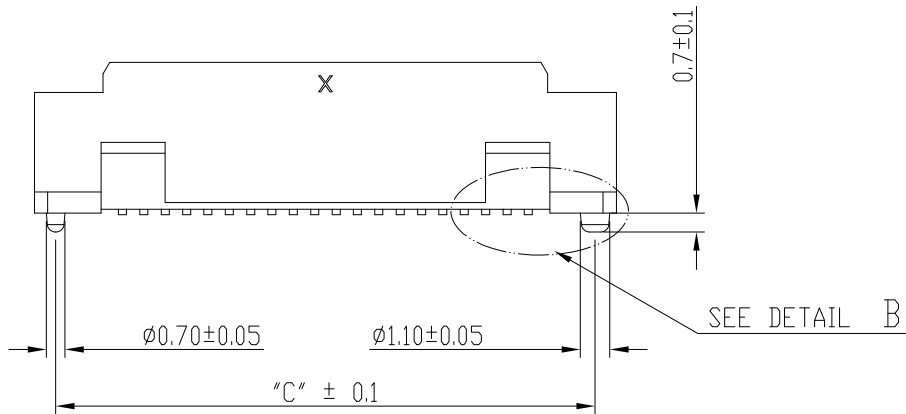
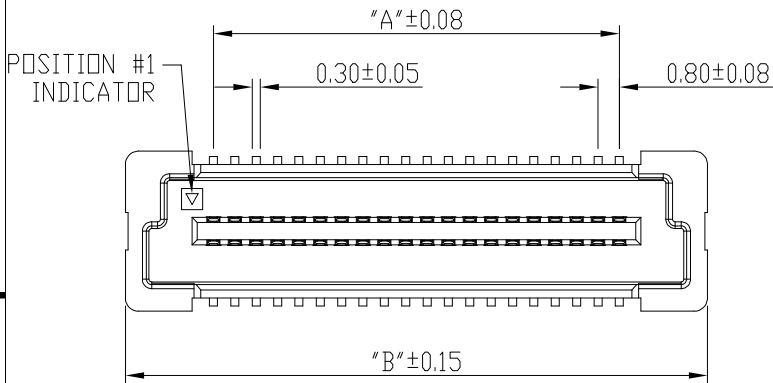
DETAIL AA



PLUG 1

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			
AN				angles	linear	mm	dwg no 61083			
				0°±3'		scale 1:1				
				dr	GuoMin Sun	10/21/14	sheet2 of 6			
				engr	Bob Gu	11/22/18	size A3			
				chr	LQ Lei	11/22/18	type Product Customer Drawing			
				appd	Tim Yao	11/22/18				
sheet index	revision	AN								
	sheet	1~6								

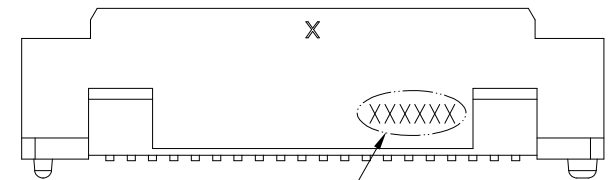
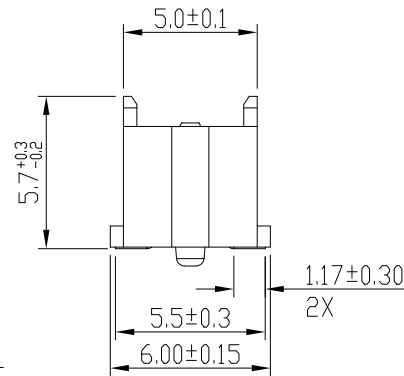
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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

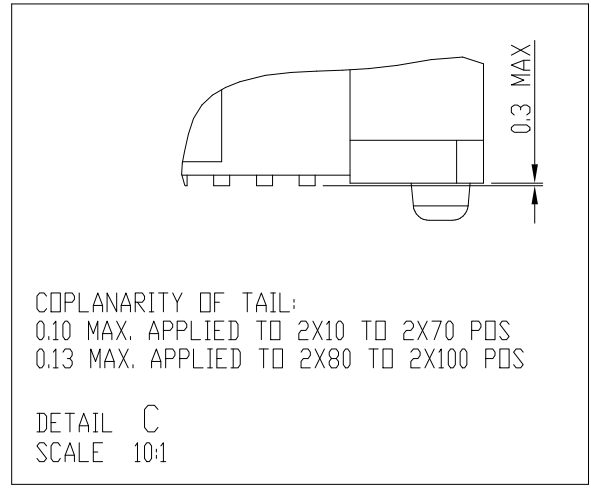
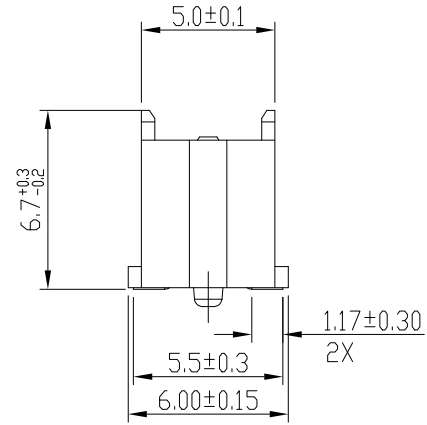
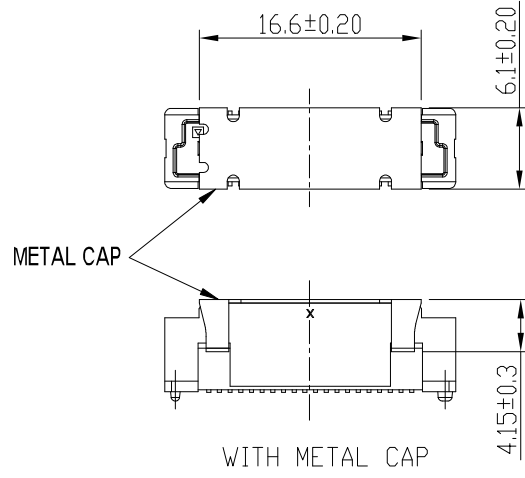
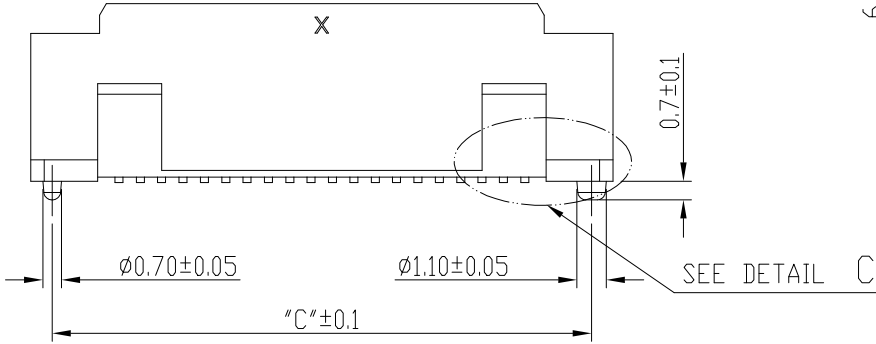
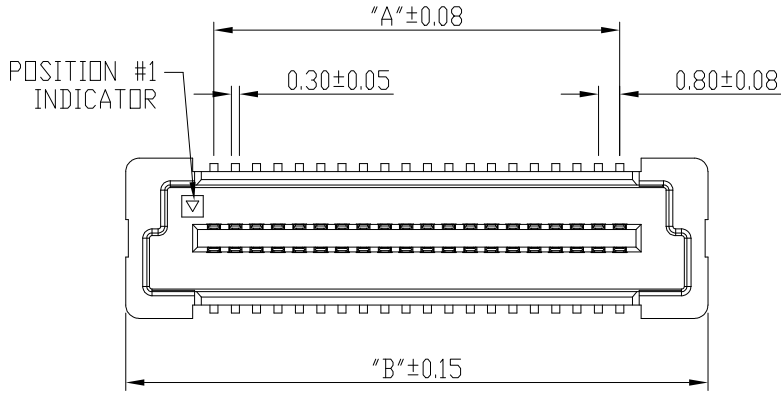
DETAIL BB



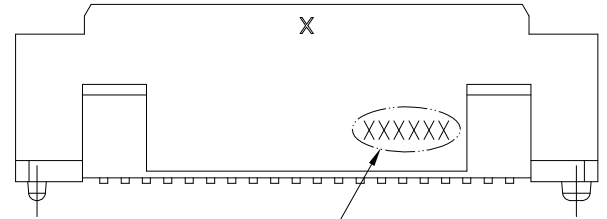
PLUG 2

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	mm	title	PLUG ASSY			
AN					angles	linear	.0±.2				BERGSTAK 0.8MM	sheet 3 of 6			
					0°±3°		.00±.15			scale 1:1	dwg no	61083	A3		size
					dr	GuoMin Sun	10/21/14				type	Product Customer Drawing			
					engr	Bob Gu	11/22/18								
					chr	LQ Lei	11/22/18								
					appd	Tim Yao	11/22/18								
sheet index	revision	AN													
	sheet	1~6													

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



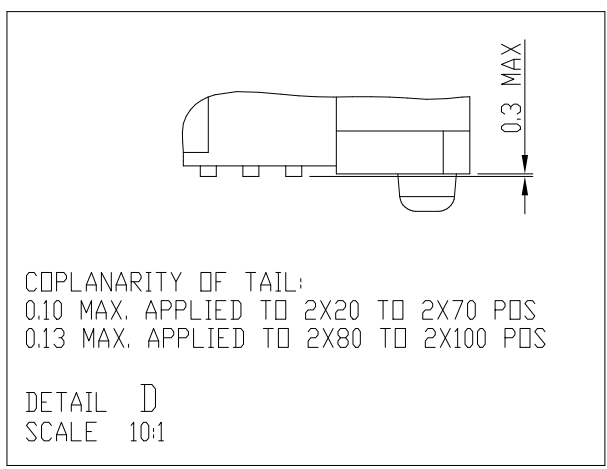
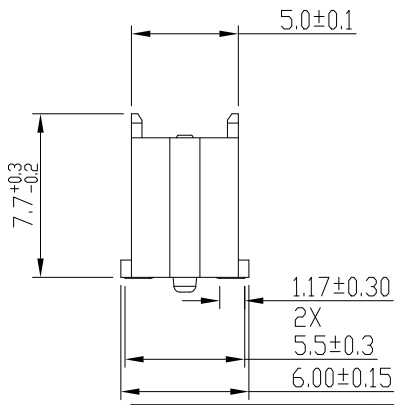
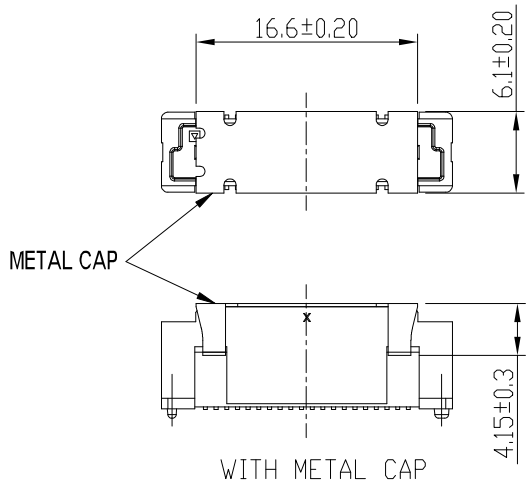
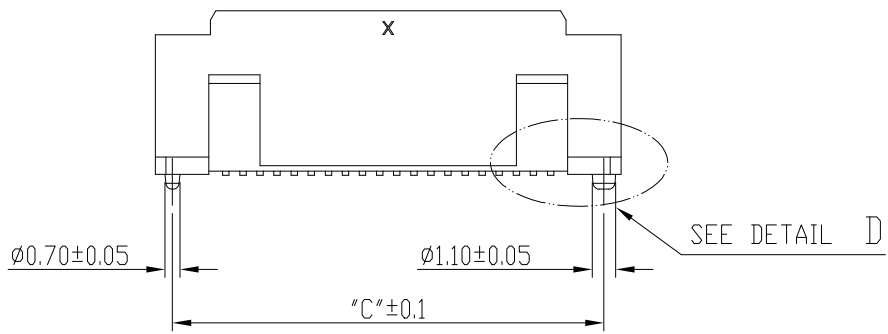
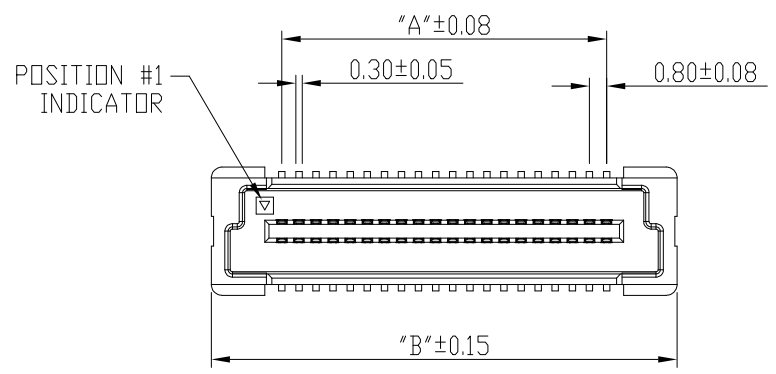
DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)



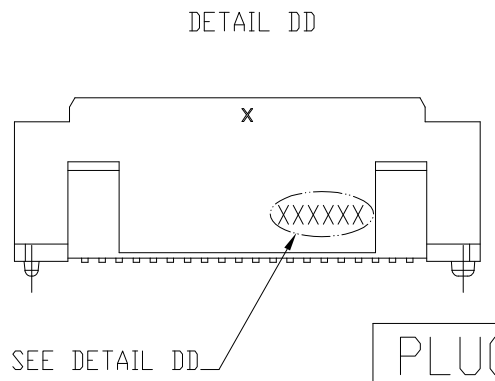
PLUG 3

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			
AN				angles	linear	mm	dwg no			
				0°±3'		scale 1:1	sheet 4 of 6			
				dr	GuoMin Sun	10/21/14	size			
				engr	Bob Gu	11/22/18	A3			
				chr	LQ Lei	11/22/18	61083			
				appd	Tim Yao	11/22/18	type Product Customer Drawing			
sheet index	revision	AN								
	sheet	1~6								

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

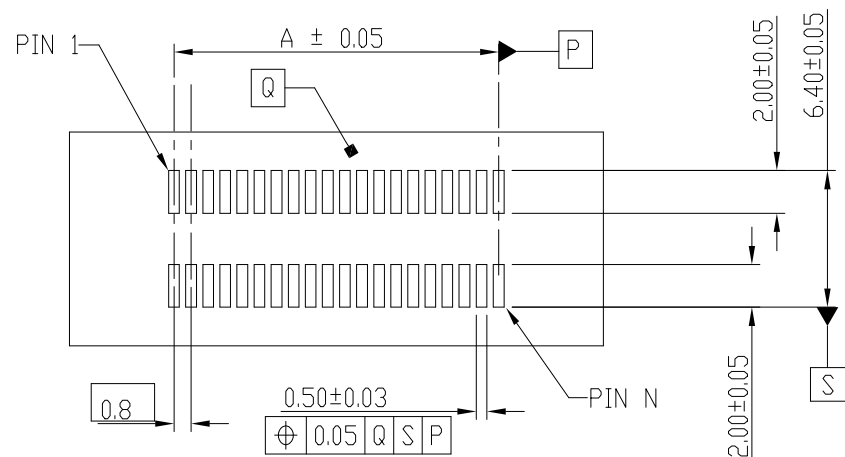


DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

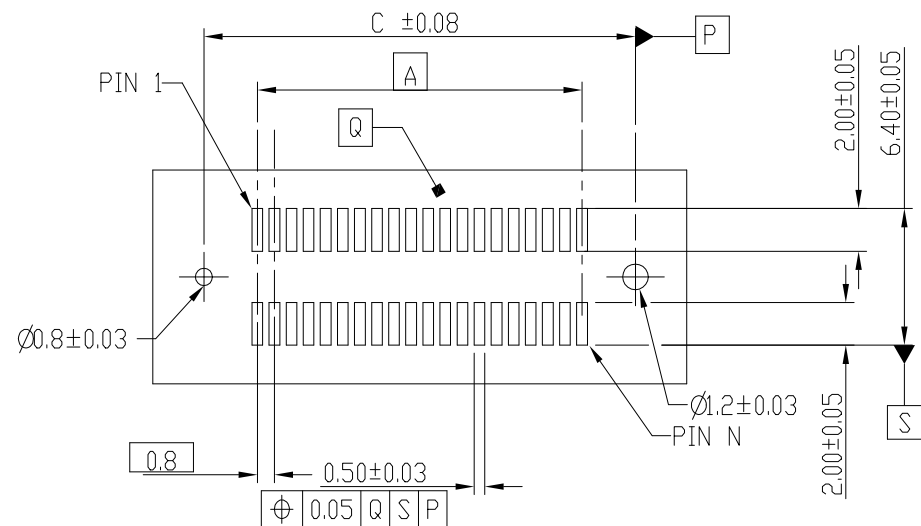


mat'l. code				surface ISO 1302	tolerance ISO 406	projection ISO 1101	product family BERGSTAK HPL545			
ltr	ecn	no	dr	date	tolerances unless otherwise specified	mm	title PLUG ASSY BERGSTAK 0.8MM			
AN					angles linear	mm	dwg no 61083			
					0°±3°	scale 1:1	sheet 5 of 6 size A3			
					dr	GuoMin Sun	10/21/14			
					engr	Bob Gu	11/22/18			
					chr	LQ Lei	11/22/18			
					appd	Tim Yao	11/22/18			
sheet index	revision	AN						type Product Customer Drawing		
	sheet	1~6								

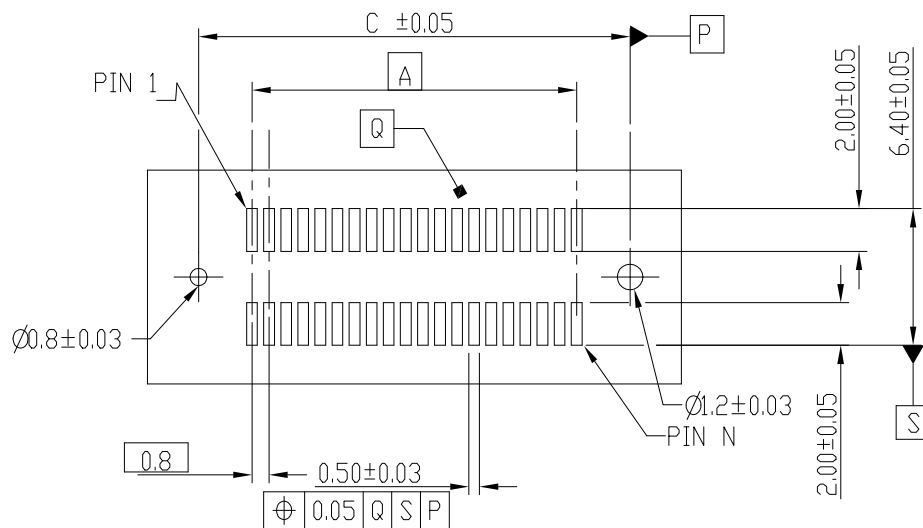
FOR PLUG 1/2/3/4



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



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



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

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			title		
AN				angles linear	.0±.2 .00±.15 .000±.10	mm	PLUG ASSY BERGSTAK 0.8MM		
				0°±3°		scale 1:1	dwg no		
				dr	GuoMin Sun	10/21/14	sheet 6 of 6		
				enr	Bob Gu	11/22/18	size		
				chr	LQ Lei	11/22/18	61083		
				appd	Tim Yao	11/22/18	type		
sheet index				revision	AN		Product Customer Drawing		
				sheet	1~6				

Mouser Electronics

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