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() Amphenol
FCI

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© 2016 APCI

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D

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

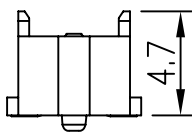
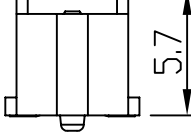
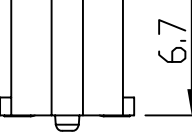
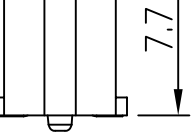
NOTE 10

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
D	GOLD 0.38um MIN ON CONTACT AREA / GOLD FLASH ON SOLDER TAIL	LF

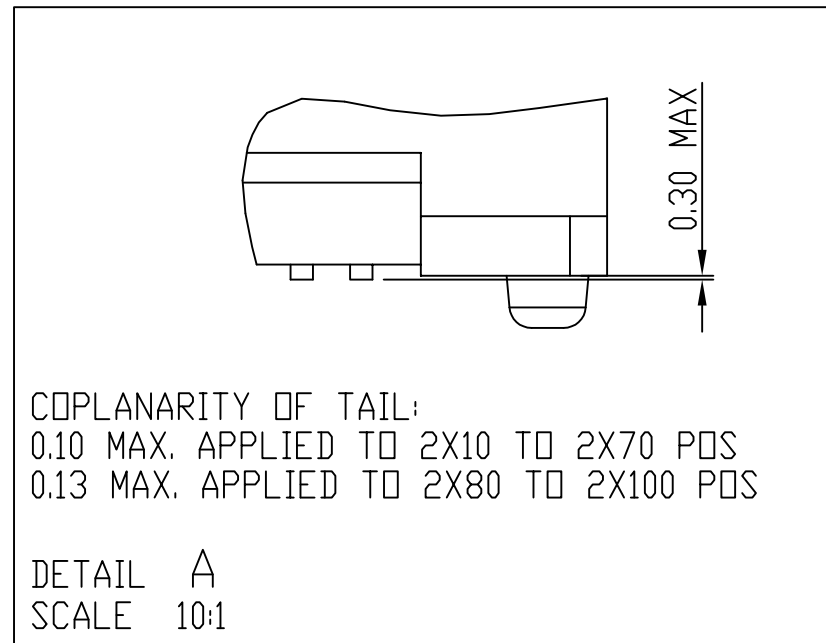
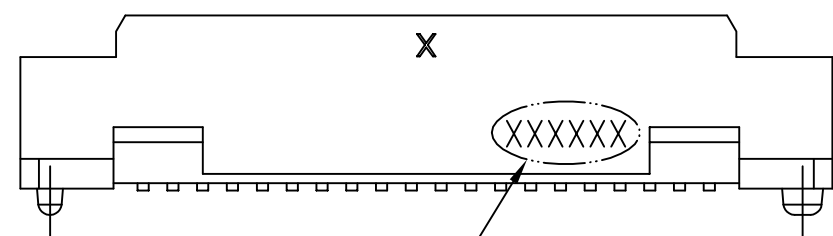
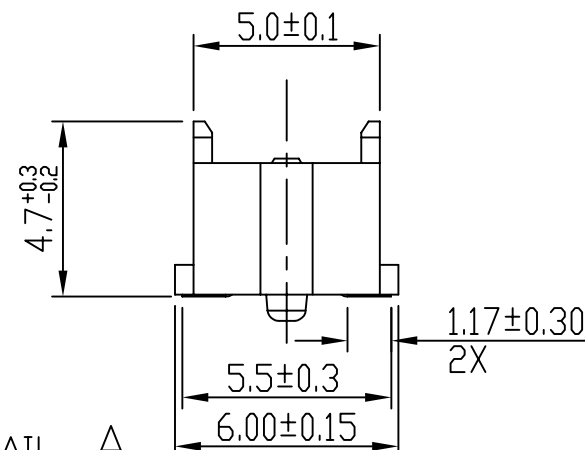
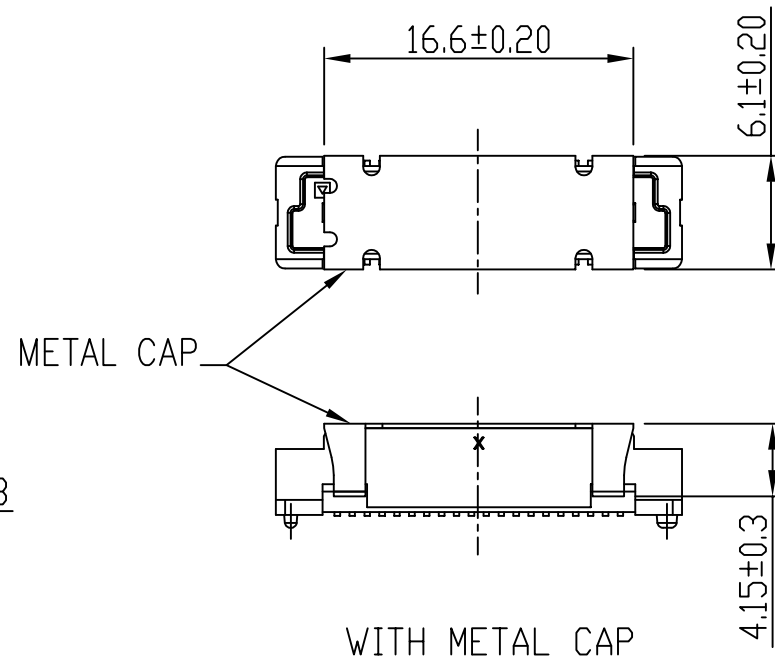
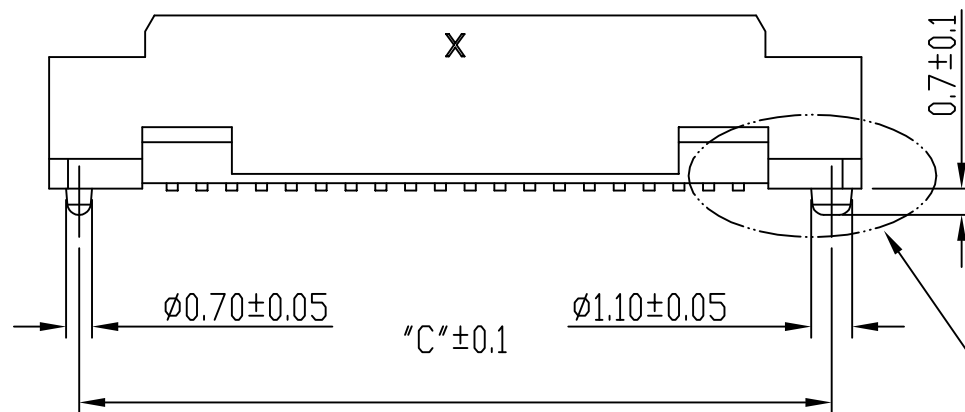
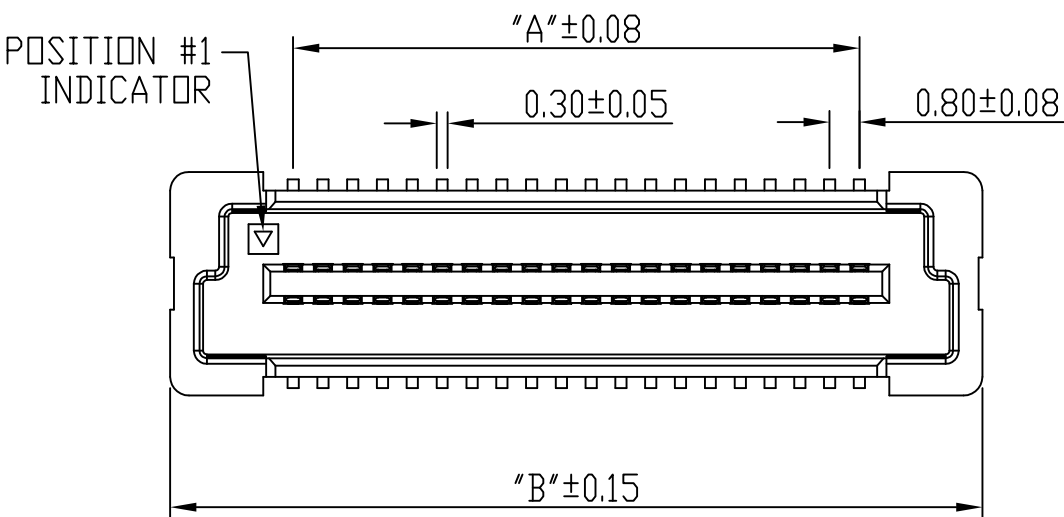
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				ISO 1302	ISO 406	ISO 1101	BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title			
AP	ELX-N-33922	Bob	2019-07-05	angles	linear	.0±.2	PLUG ASSY			
AR	ELX-N-34967	Bob	2019-09-26			.00±.15	BERGSTAK 0.8MM			
AS	ELX-N-35593	Bob	2020-01-10	0°±3°		.000±.10	scale 1:1			
AT	ELX-N-37512	Bob	2020-06-28	dr	GuoMin Sun	2014-10-21	dwg no			
				engr	Bob Gu	2020-06-28	sheet 1 of 6			
AM	ELX-N-30296	Bob	2018-05-28	chr	LQ Lei	2020-06-28	61083			
AN	ELX-N-30741	Bob	2018-11-22	appd	Tim Yao	2020-06-28	A3			
sheet	revision	AL	AM	AN	AP	AR	AS	AT	type	
index	sheet	1~6	1~6	1	1	1	1		Product Customer Drawing	

PDS: Rev :AT

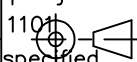
STATUS:Released

Printed: Jul 02, 2020

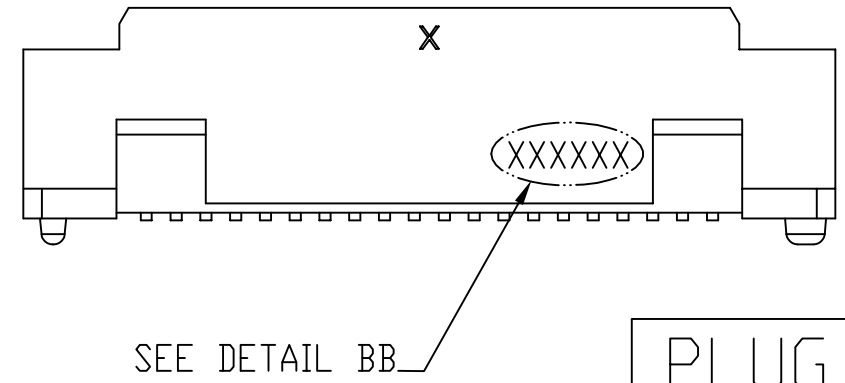
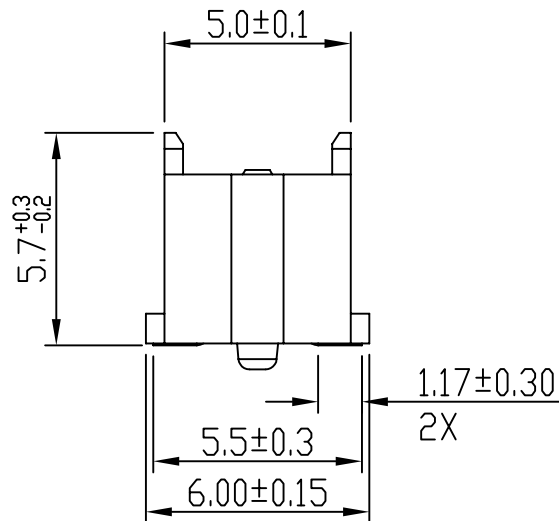
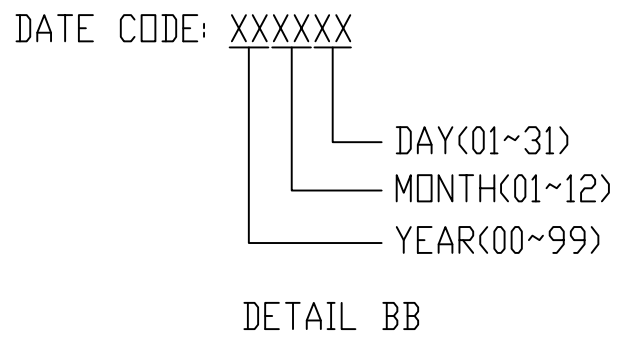
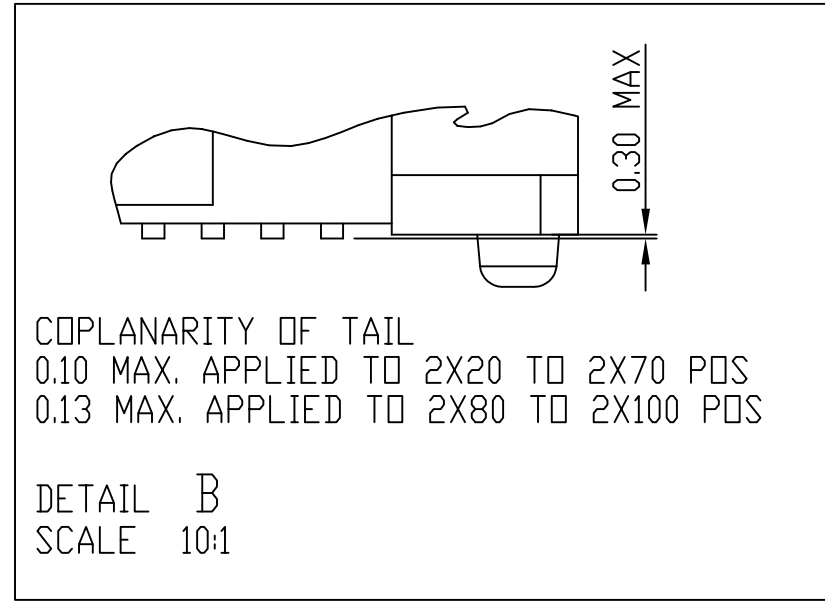
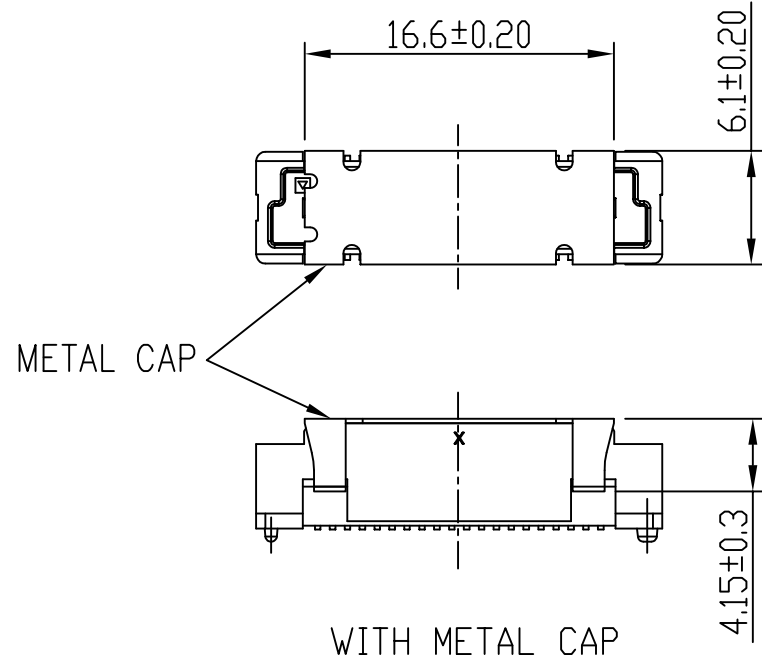
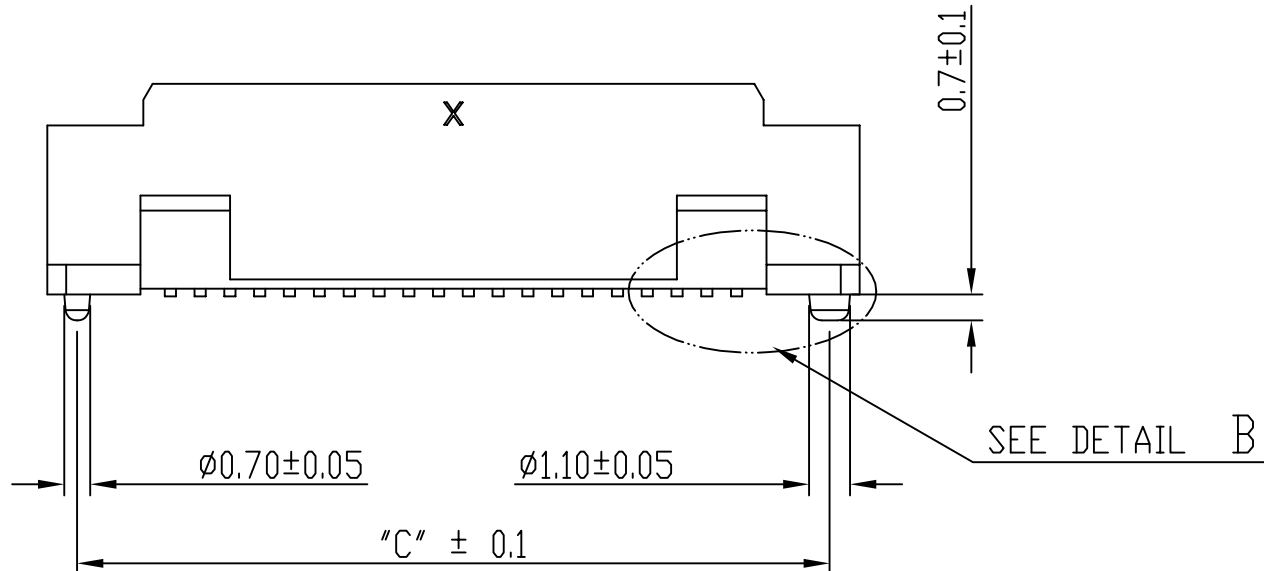
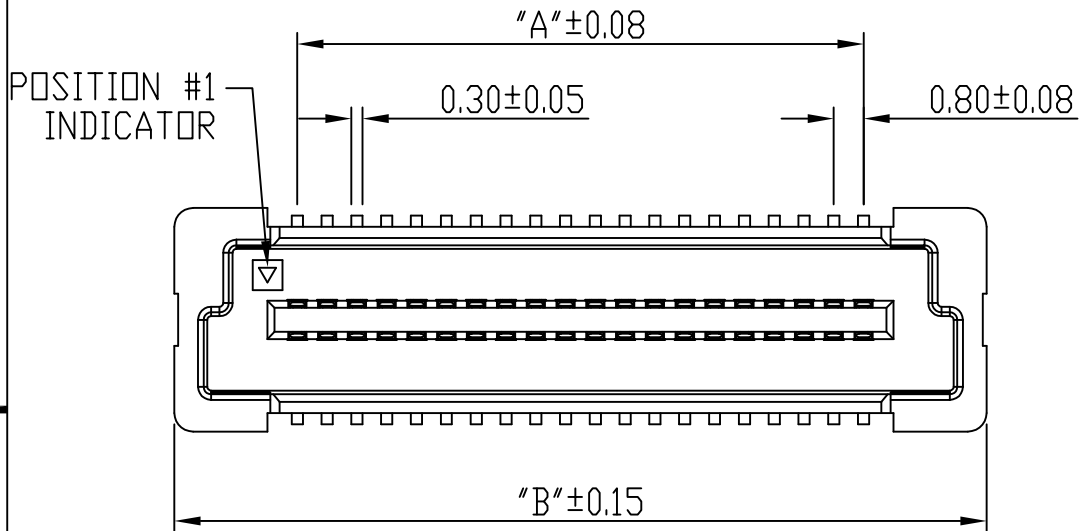
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2	69.8	68.2
61083-181***	2X90	71.2	77.8	76.2
61083-201***	2X100	79.2	85.8	84.2

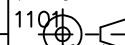
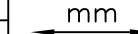


DATE CODE: XXXXXX
 DAY(01~31)
 MONTH(01~12)
 YEAR(00~99)
 DETAIL AA

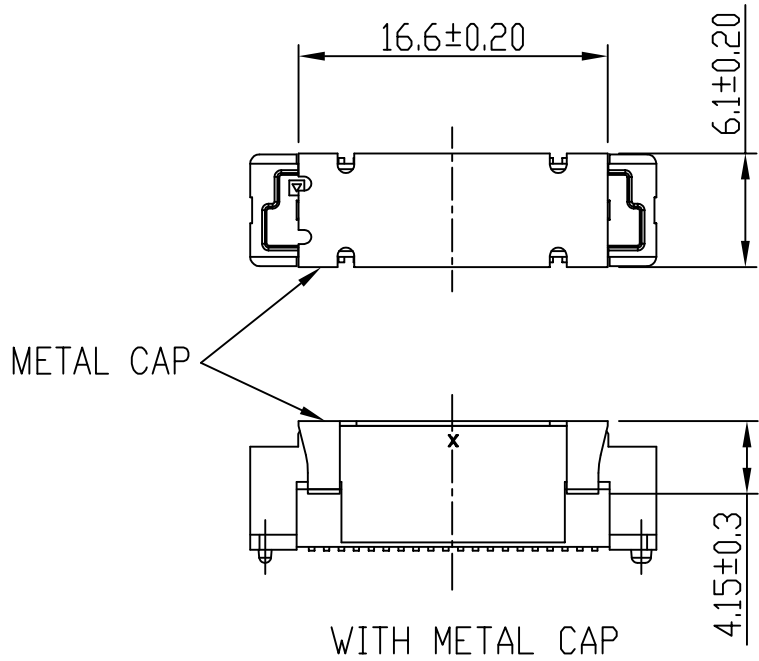
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ltr	ecn no	dr	date	tolerances unless otherwise specified			mm 			title PLUG ASSY BERGSTAK 0.8MM										
AT				angles	linear	.0±.2		scale 1:1			dwg no sheet2 of 6 size 61083 A3									
						.00±.15														
				0°±3°		.000±.10														
				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														
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



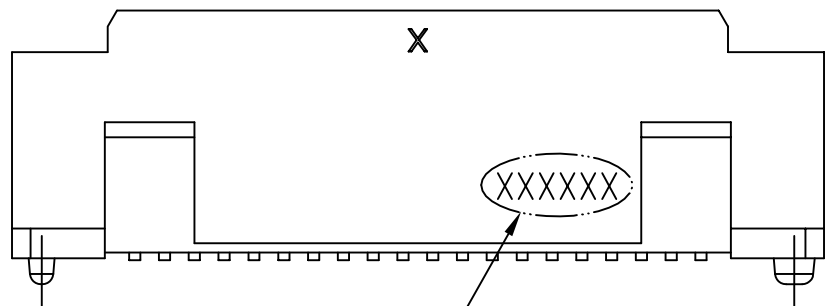
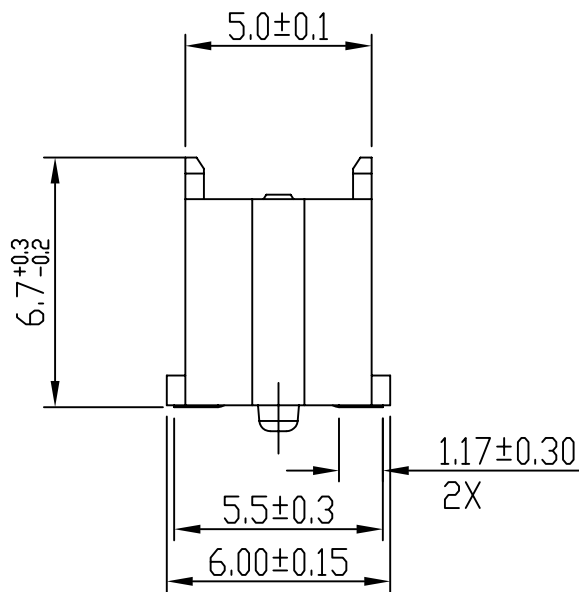
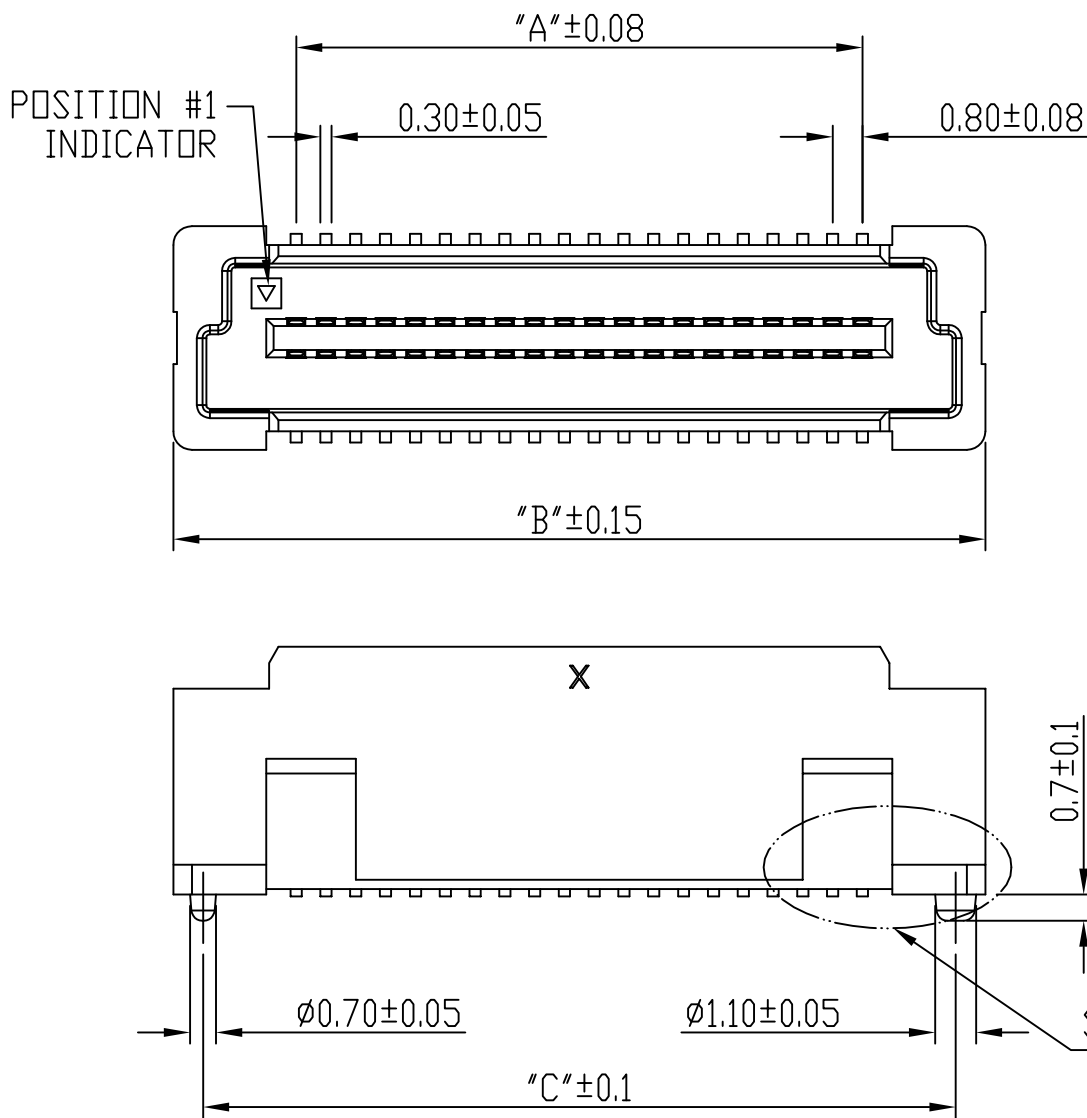
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ltr		ecn no		dr		date		tolerances unless otherwise specified				title													
AT								angles		linear		.0±.2				PLUG ASSY BERGSTAK 0.8MM									
								.00±.15																	
						0°±3°		.000±.10				scale 1:1													
								dr		GuoMin Sun		2014-10-21				dwg no				sheet3 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
61083-023***	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



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

DETAIL C
SCALE 10:1



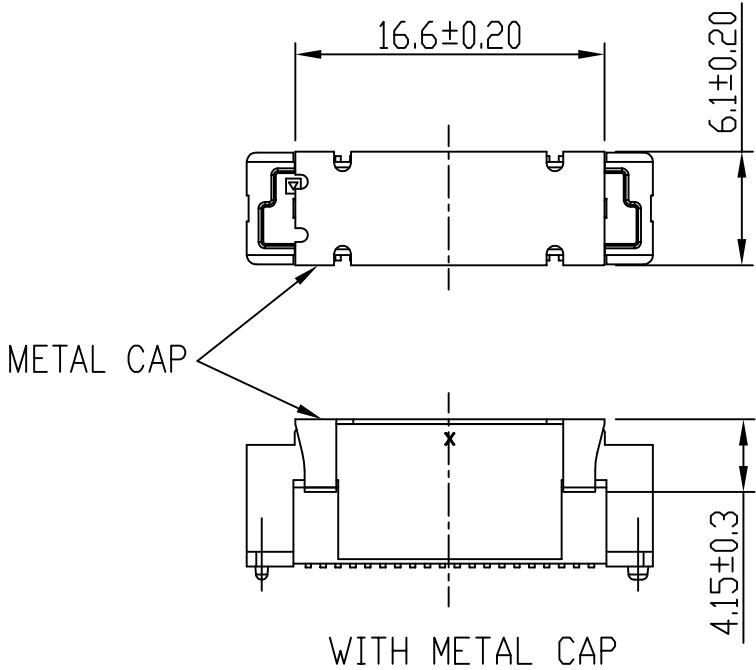
DATE CODE: XXXXXX
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL CC

SEE DETAIL CC
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			
AT				angles	linear	mm				
				0°±3°	.0±.2 .00±.15 .000±.10	scale 1:1				
				dr	GuoMin Sun	2014-10-21	dwg no			
				engr	Bob Gu	2020-06-28	sheet 4 of 6			
				chr	LQ Lei	2020-06-28	61083			
				appd	Tim Yao	2020-06-28	A3			
sheet index				revision	AT		type Product Customer Drawing			
sheet 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



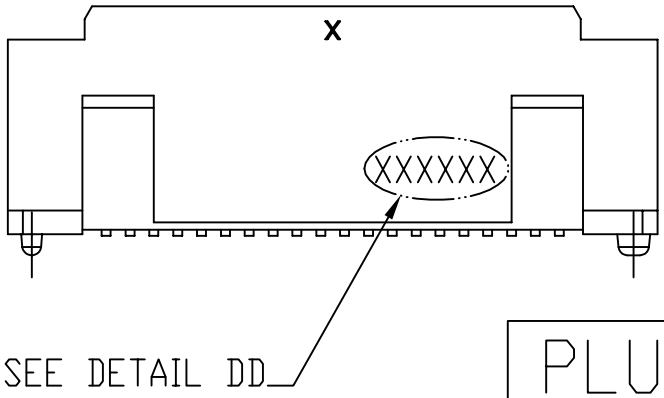
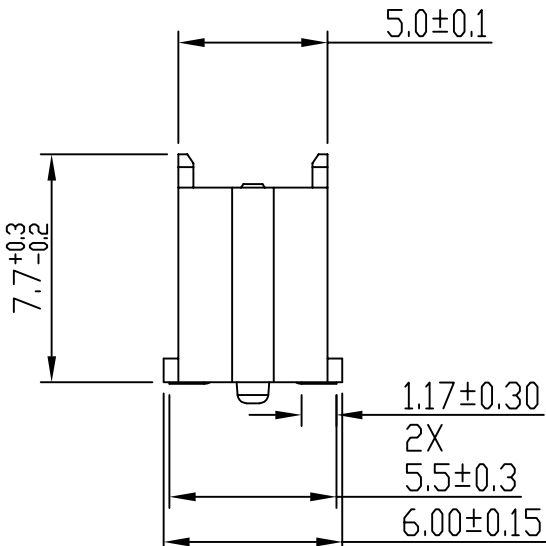
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0.10 MAX. APPLIED TO 2X20 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

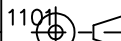
DETAIL D
SCALE 10:1

DATE CODE: XXXXXX

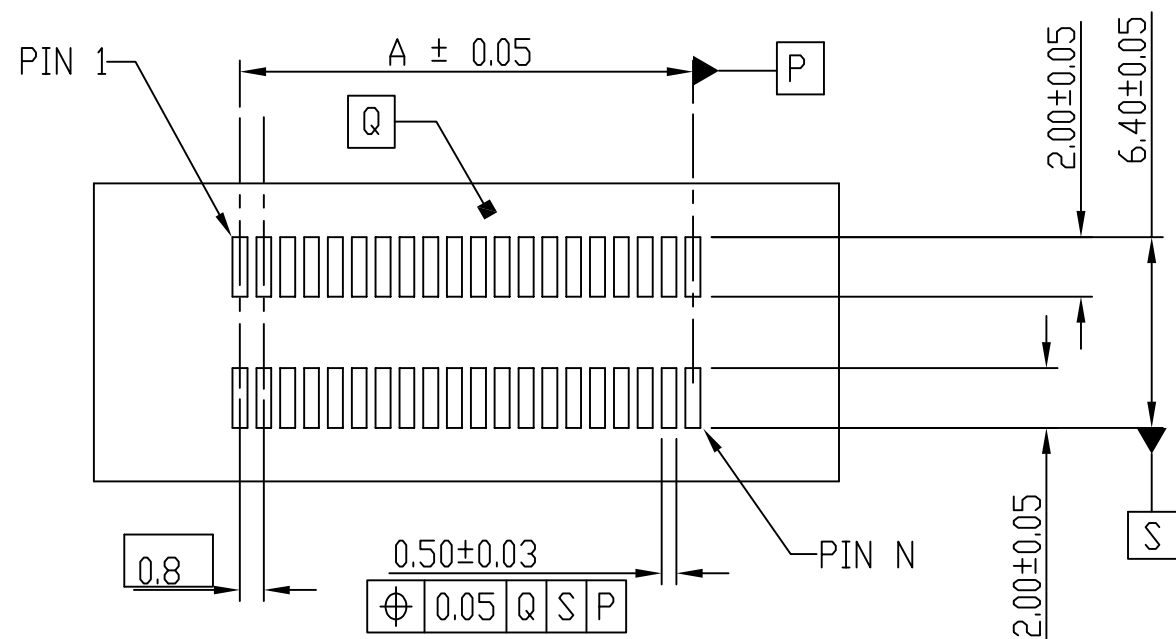
DAY(01~31)
MONTH(01~12)
YEAR(00~99)

DETAIL DD

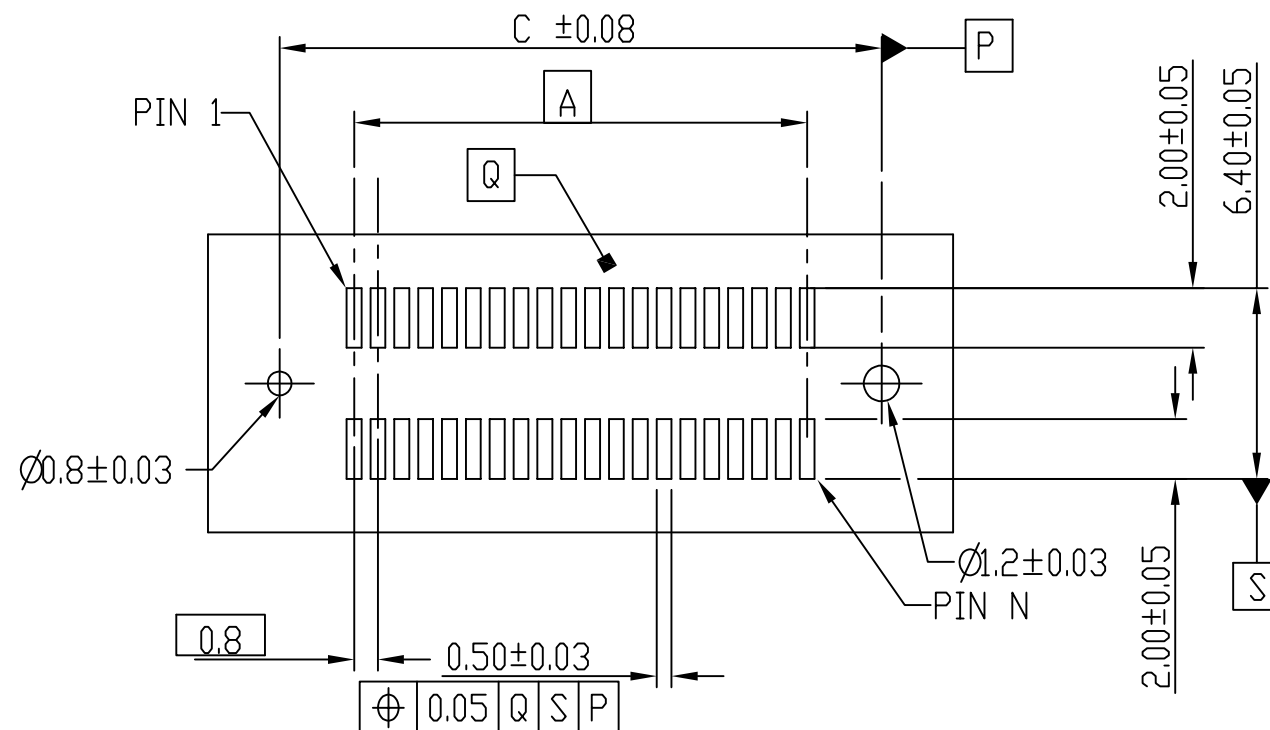


mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545																																																																																																																																																																																																		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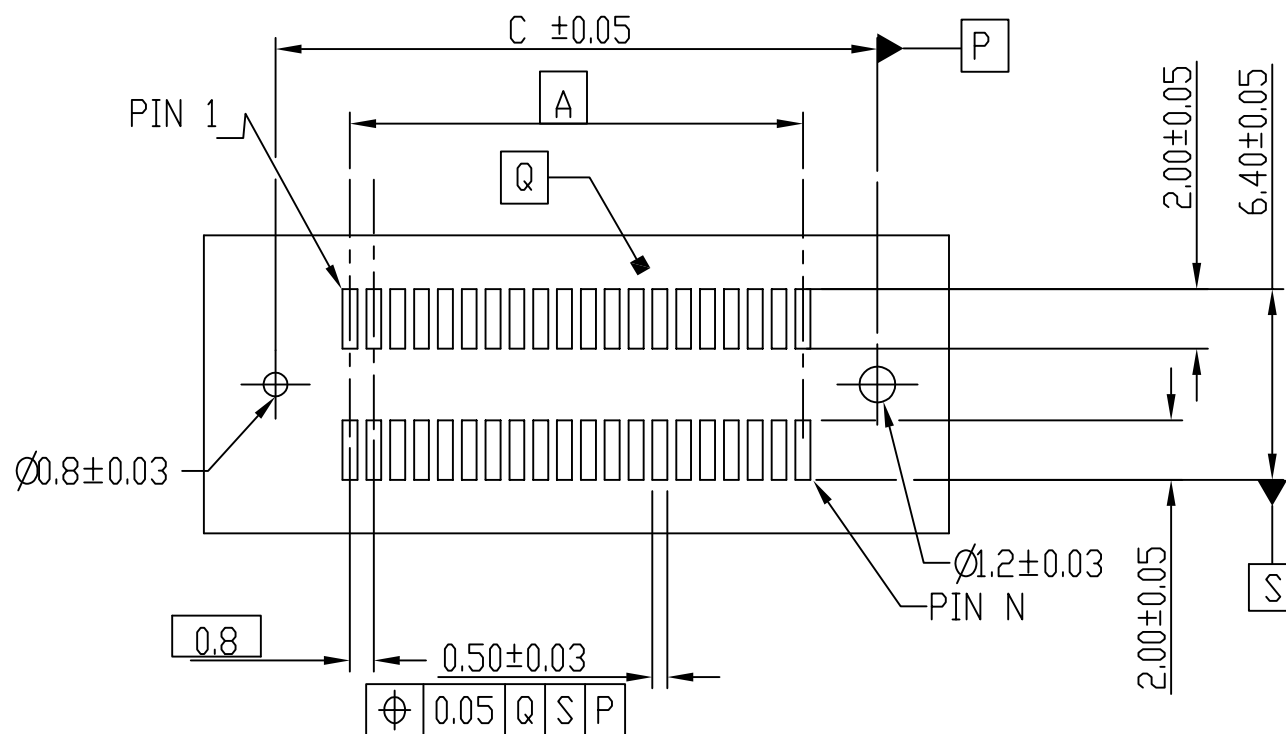
FOR PLUG 1/2/3/4



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 1101		product family BERGSTAK HPL545										
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		1101		title PLUG ASSY BERGSTAK 0.8MM										
AT				angles																.0±.2
				linear																.00±.15
					0°±3°		.000±.10	scale 1:1												
				dr	GuoMin Sun		2014-10-21		Amphenol FCI		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									
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