

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
T	TRAY WITH METAL CAP

NOTE 10

NOTE 10

NOTE 11

NOTE 10

NOTE 12

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
C	ONLY FOR DEDICATED CUSTOMER
H	ONLY FOR DEDICATED CUSTOMER
L	ONLY FOR DEDICATED CUSTOMER
V	ONLY FOR DEDICATED CUSTOMER

D	PEG
0	YES
2	NO

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

NOTE:

1. MATERIAL:

HOUSING: G.F. LCP, NATURAL, UL94-V0, MSL LEVEL 1

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 PDS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.

9. THE P/N 61083-***** OR 61083-*****LF NOT PRINT DATE CODE.

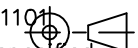
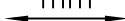

THE P/N 61083-*****P OR 61083-*****PLF NEED PRINT DATE CODE.

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.

12. PACKAGING OPTION "TRAY WITH METAL CAP" ONLY APPLY TO PLUG 1 200P.

mat'l. code				surface				tolerance				projection				product family																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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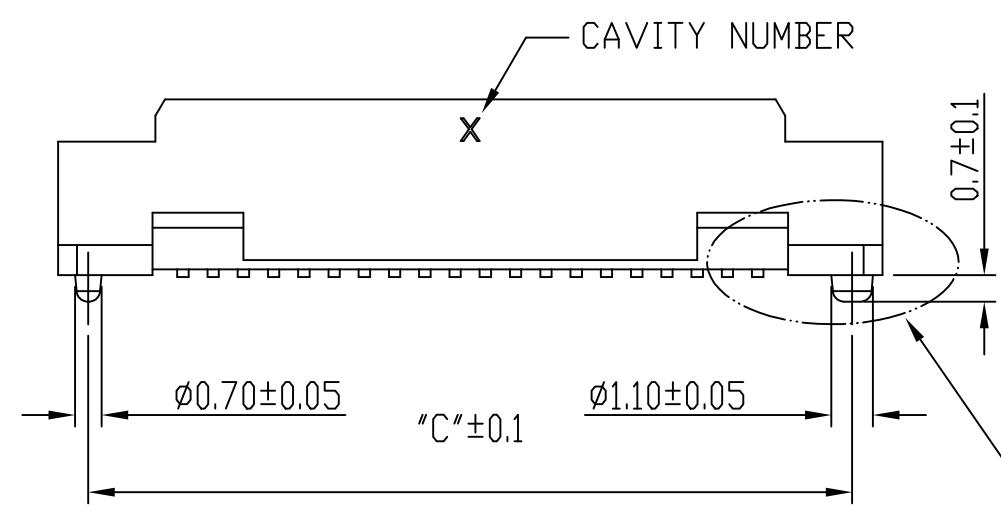
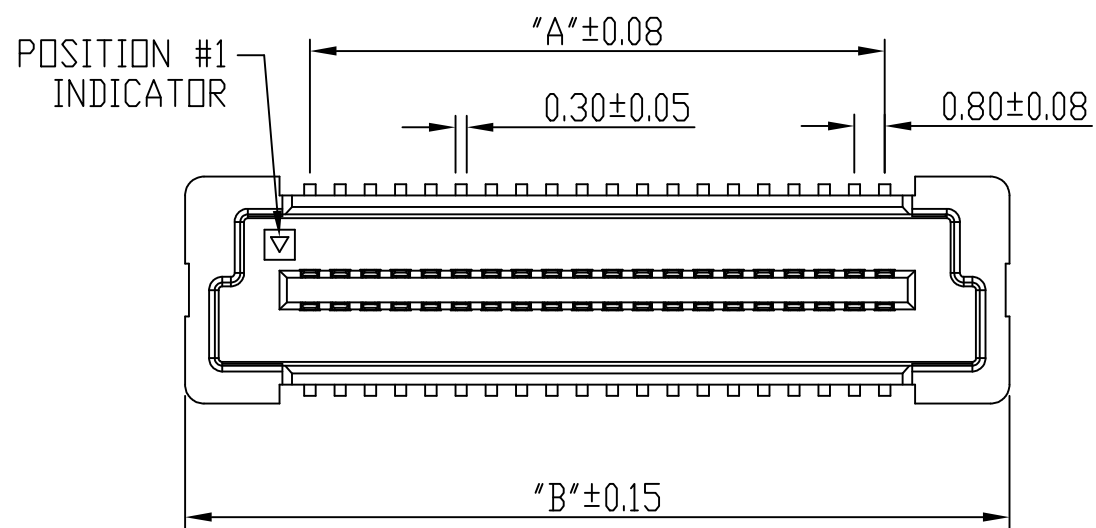
Amphenol
FCI

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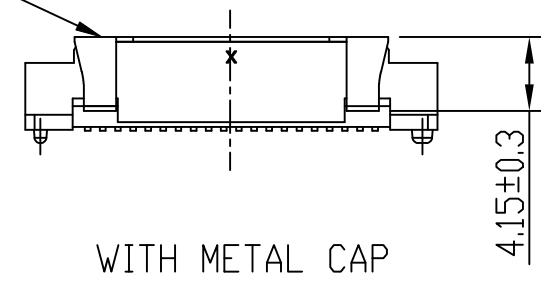
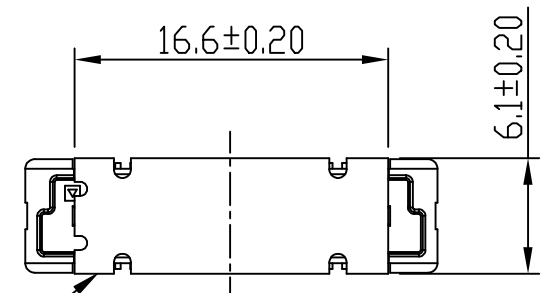
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PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	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

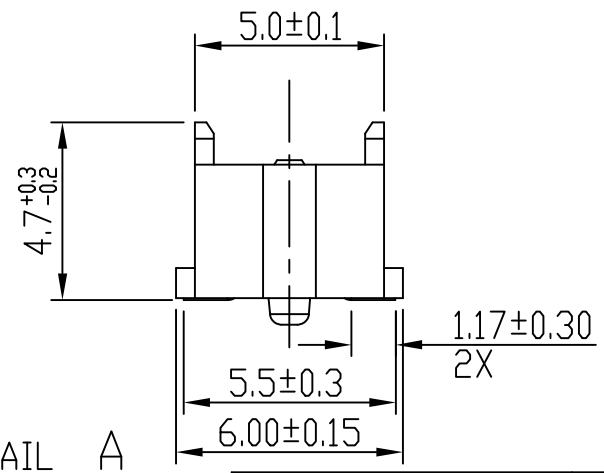
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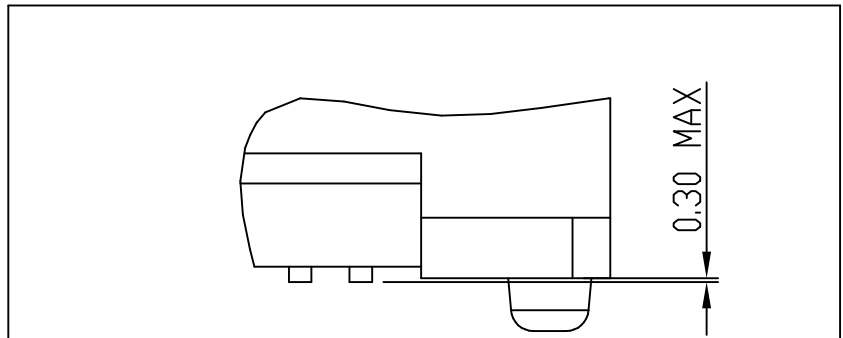
METAL CAP



WITH METAL CAP



SEE DETAIL A



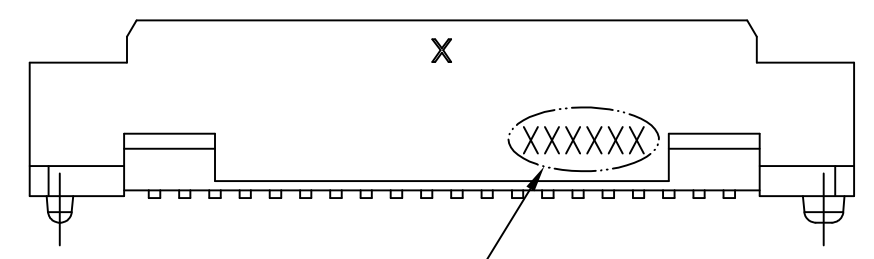
COPLANARITY OF TAIL:
0.10 MAX, APPLIED TO 2X10 TO 2X70 POS
0.13 MAX, APPLIED TO 2X80 TO 2X100 POS

DETAIL A
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL AA

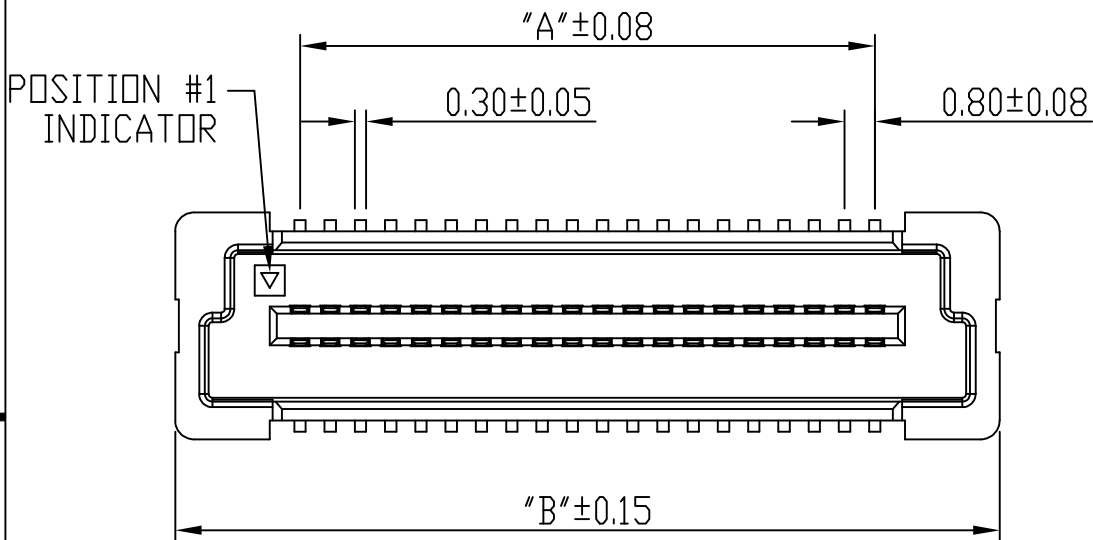
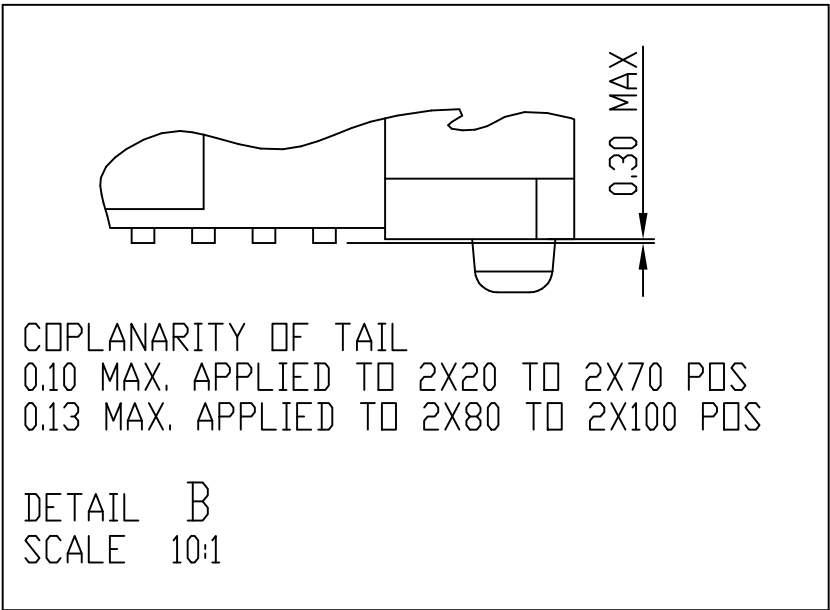
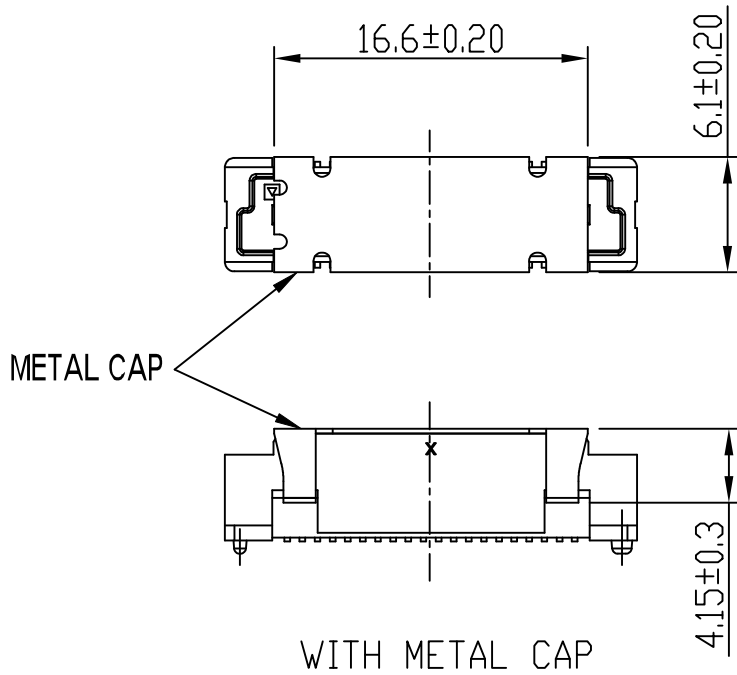


SEE DETAIL AA

PLUG 1

mat'l. code				surface	tolerance	projection	product family			
ltr				ISO 1302	ISO 406	ISO 1101	BERGSTAK HPL545			
AV				tolerances unless otherwise specified		mm	title			
				angles	.0±.2		PLUG ASSY			
				linear	.00±.15		BERGSTAK 0.8MM			
				0°±3°	.000±.10	scale 1:1	dwg no			
				dr	GuoMin Sun	2014-10-21	sheet2 of 6			
				engr	Alan Ni	2025-02-18	61083			
				chr	LQ Lei	2025-02-18	A3			
				appd	Tim Yao	2025-02-18	type Product Customer Drawing			
sheet index	revision	AV								
	sheet	1								

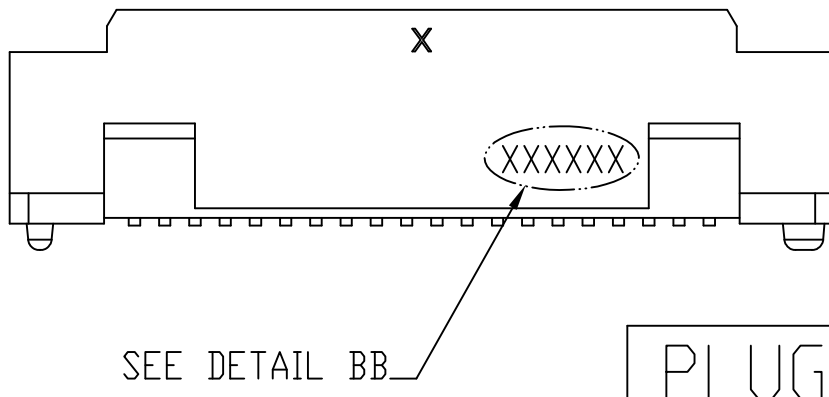
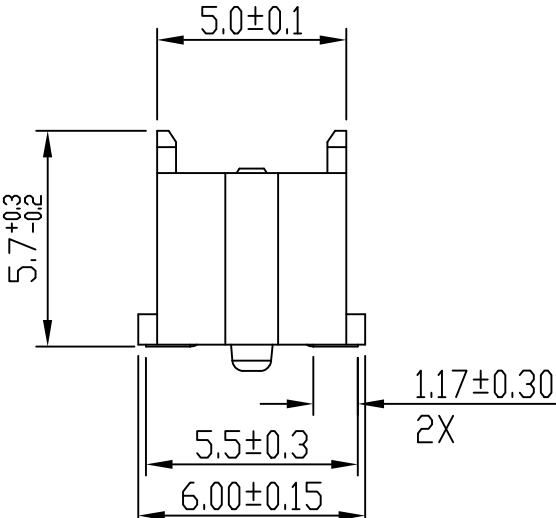
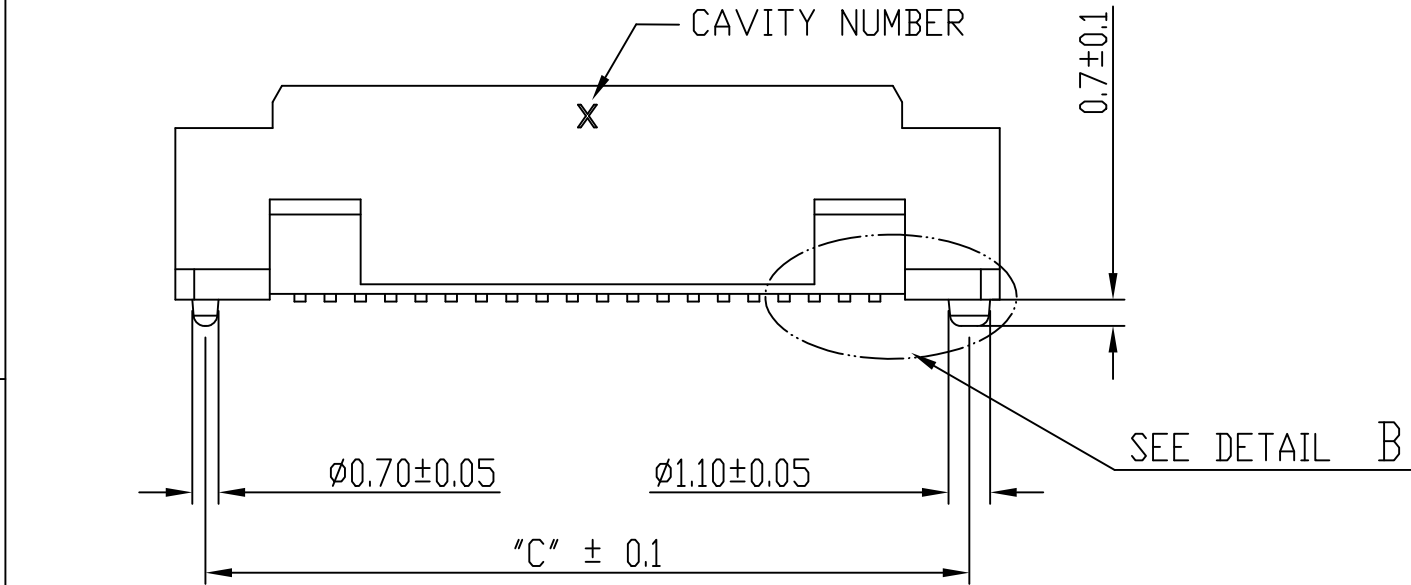
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



DATE CODE: XXXXXX

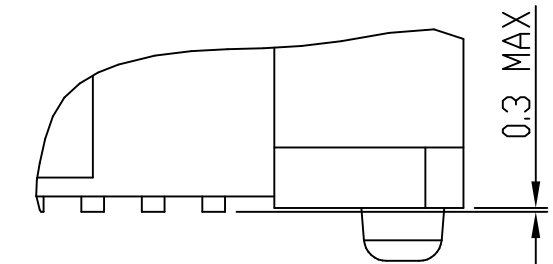
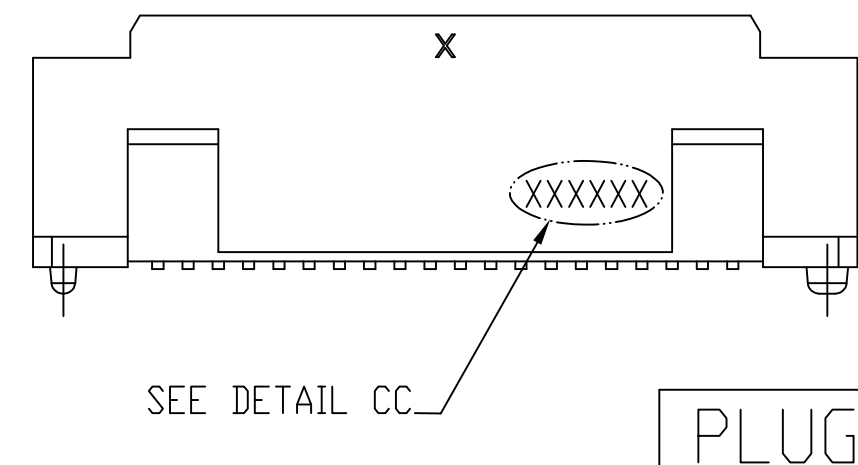
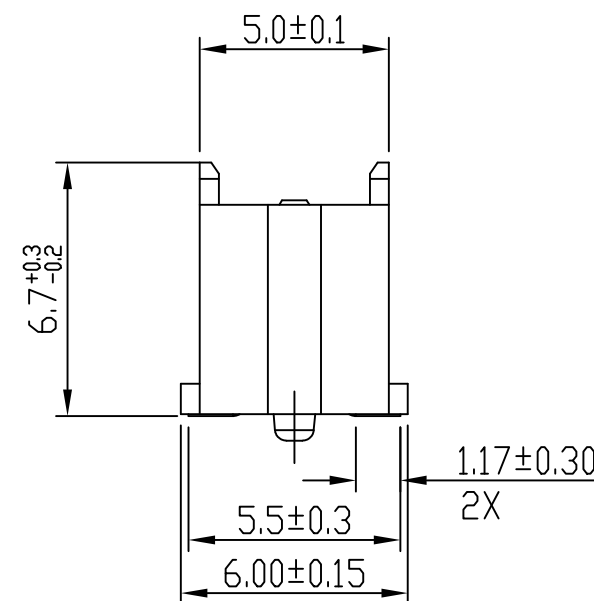
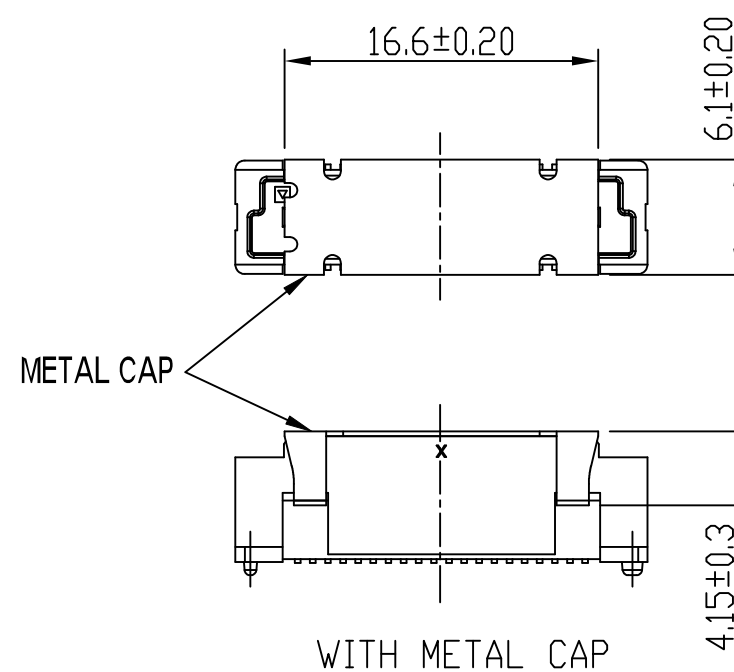
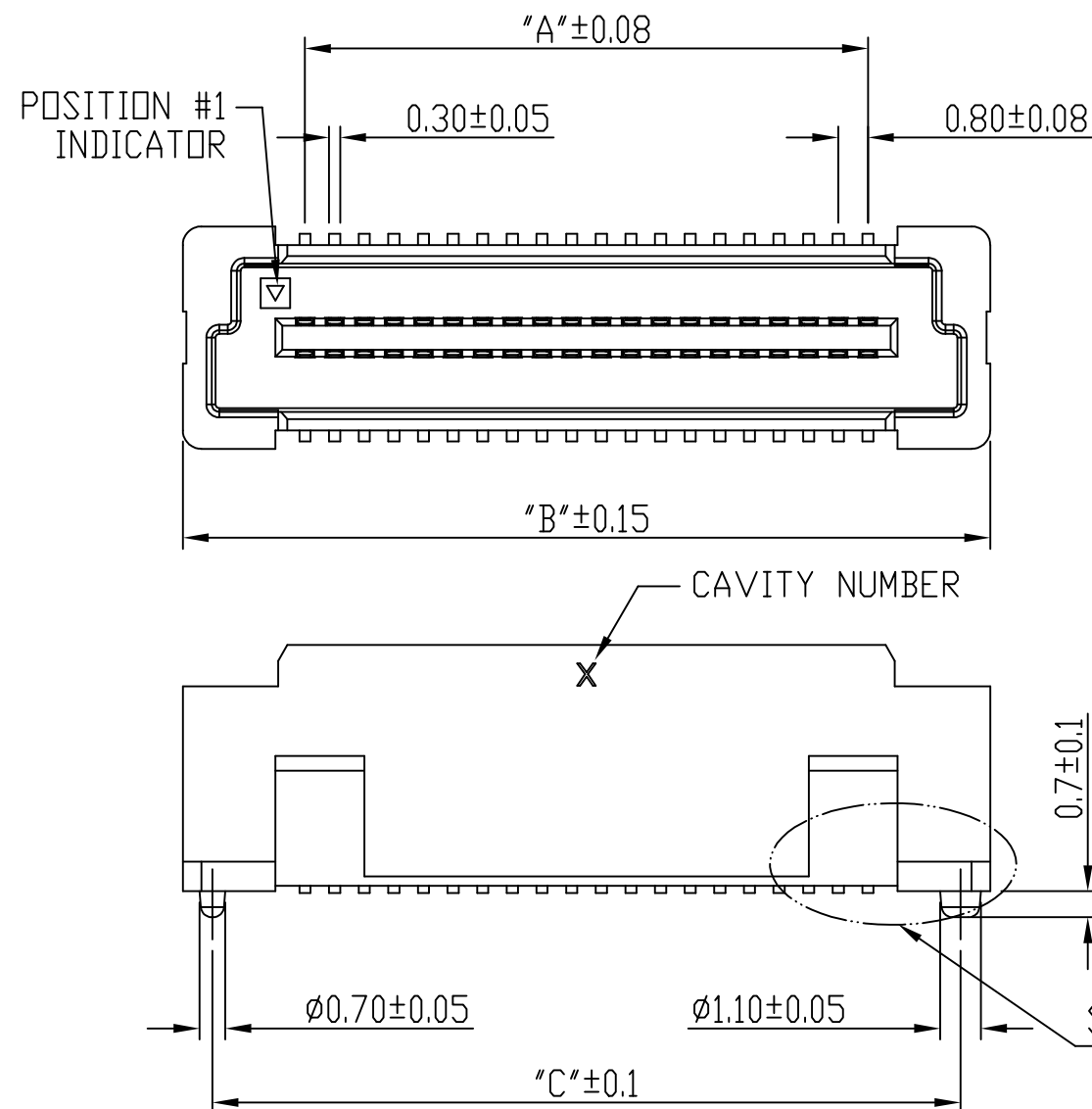
DAY<01~31>
MONTH<01~12>
YEAR<00~99>

DETAIL BB



mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406	ISO 1101	BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title			
AV				angles	linear	scale 1:1	PLUG ASSY			
				0°±3'			BERGSTAK 0.8MM			
				dr	GuoMin Sun	2014-10-21	dwg no		sheet3 of 6	size
				engr	Alan Ni	2025-02-18	61083		A3	
				chr	LQ Lei	2025-02-18				
				appd	Tim Yao	2025-02-18				
sheet index	revision sheet	AV	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



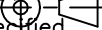
COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X10 TO 2X70 POS
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C
SCALE 10:1

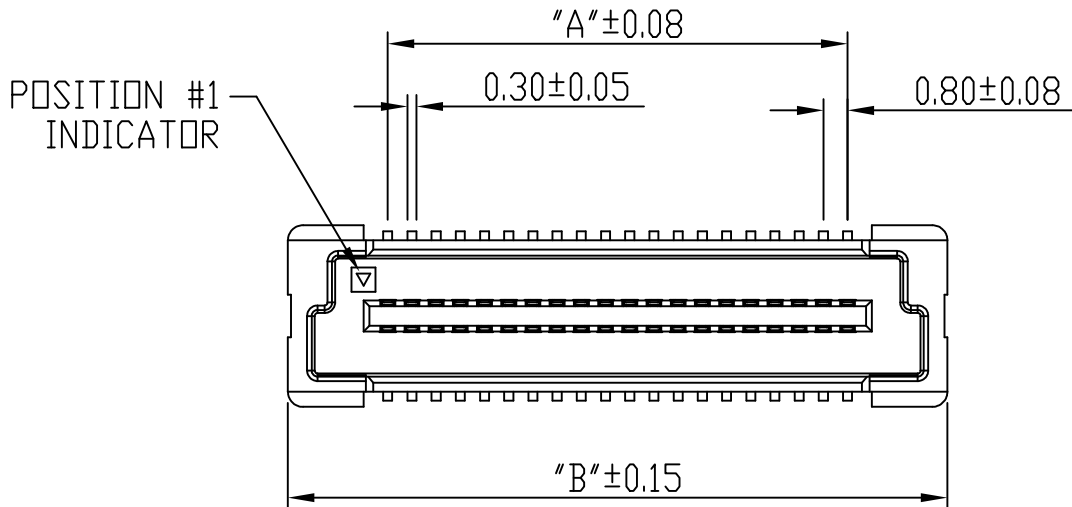
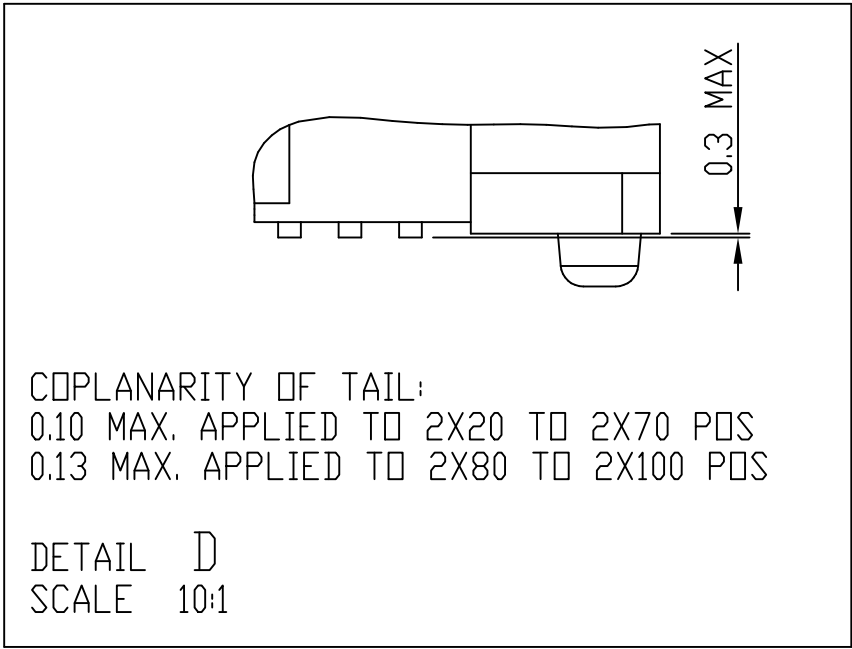
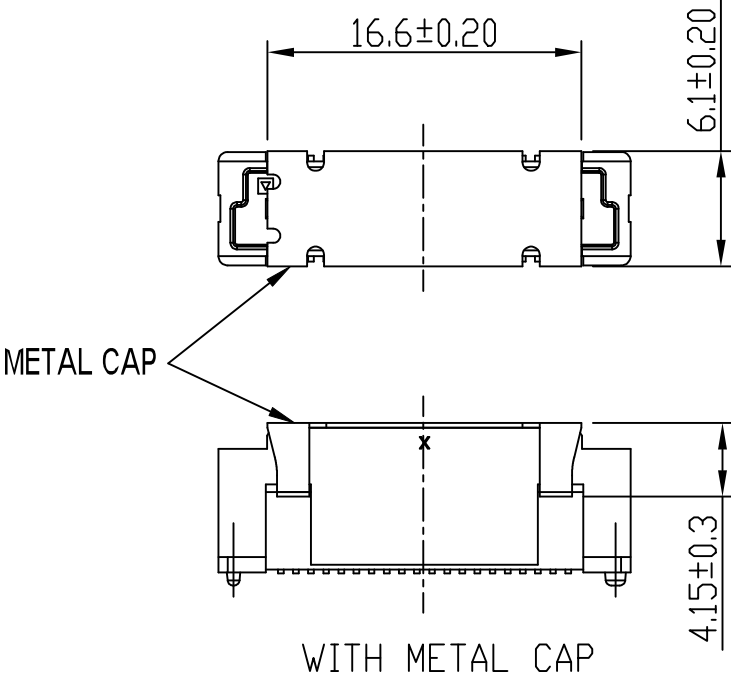
DATE CODE: XXXXXX

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

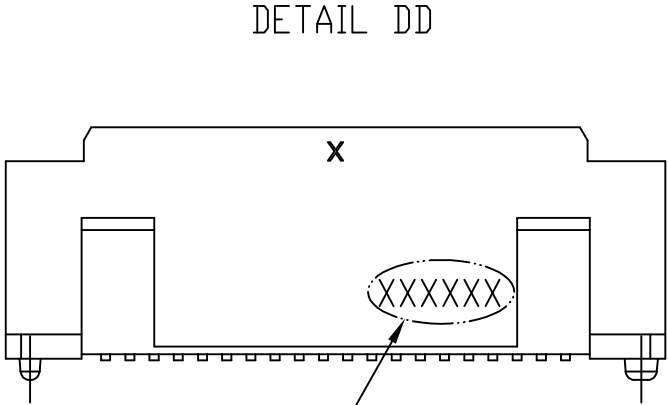
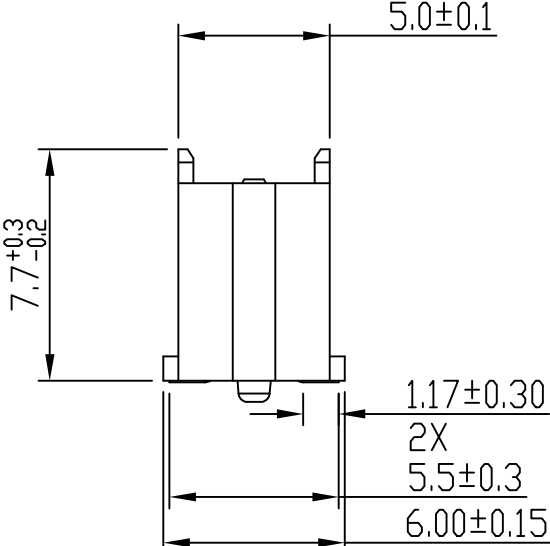
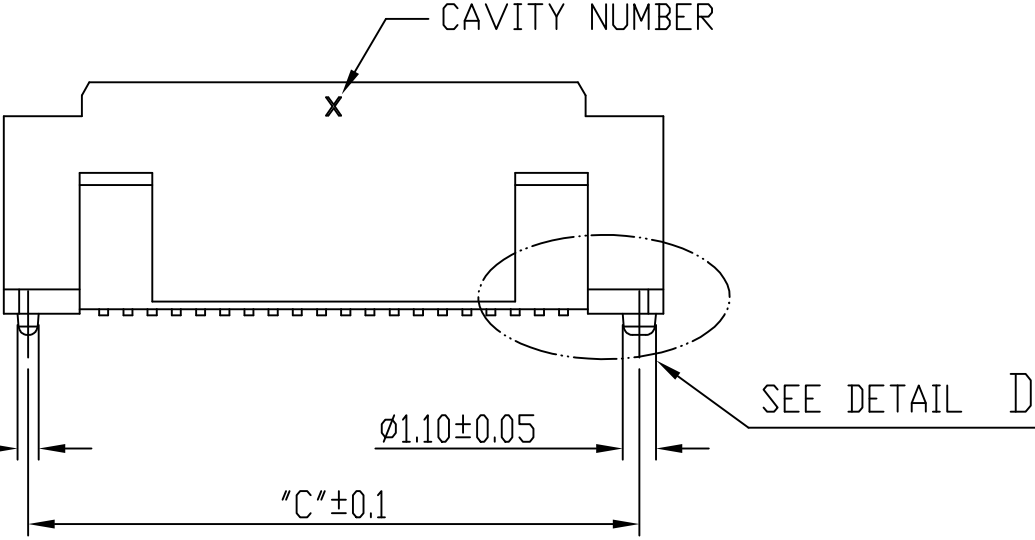
DETAIL CC

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		<div> <div>title</div> <div>PLUG ASSY BERGSTAK 0.8MM</div> </div>									
AV								<div> <div>angles</div> <div>linear</div> <div> $.0 \pm .2$ $.00 \pm .15$ $.000 \pm .10$ </div> </div>											
								<div> <div>mm</div> <div>mm</div> </div>											
								scale 1:1											
				dr		GuoMin Sun		2014-10-21		<div> <div>dwg no</div> <div>sheet 4 of 6</div> <div>size</div> <div>61083</div> <div>A3</div> </div>									
				engr		Alan Ni		2025-02-18											
				chr		LQ Lei		2025-02-18											
				appd		Tim Yao		2025-02-18											
sheet index		revision sheet		AV		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



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



PLUG 4

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			
AV				angles	linear		PLUG ASSY			
				0°±3'			BERGSTAK 0.8MM			
				dr	GuoMin Sun	2014-10-21	dwg no		sheet5 of 6	size
				engr	Alan Ni	2025-02-18	61083		A3	
				chr	LQ Lei	2025-02-18	type		Product Customer Drawing	
				appd	Tim Yao	2025-02-18				
sheet index	revision	AV								
	sheet	1								

FOR PLUG 1/2/3/4

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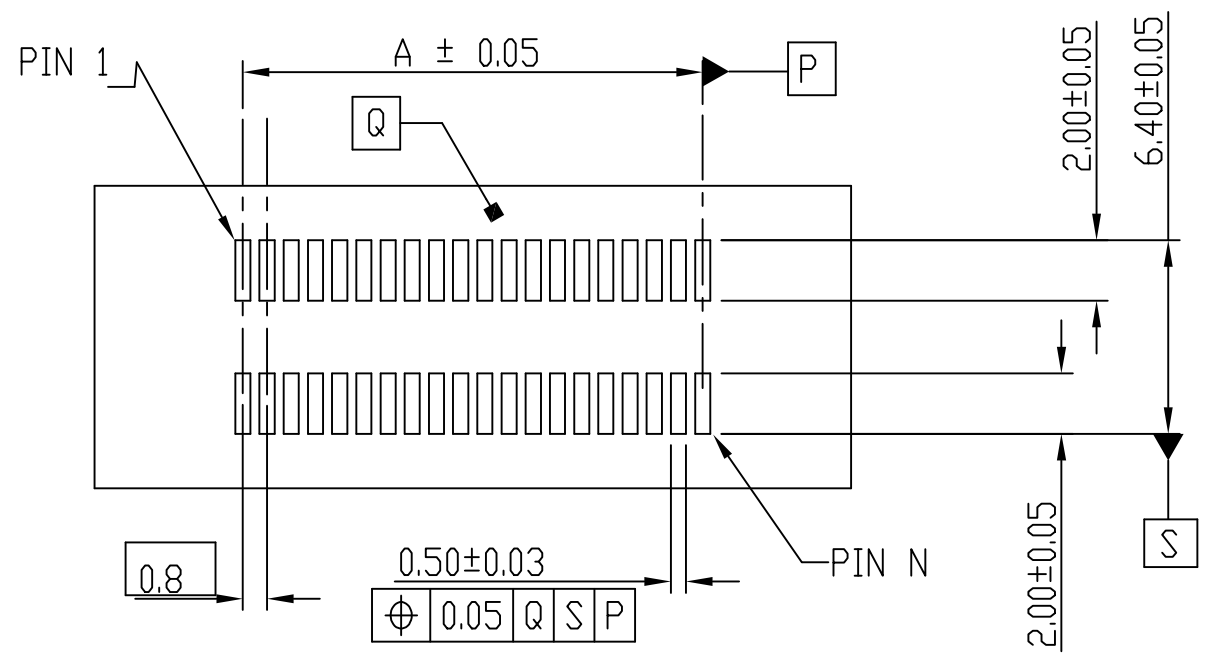
Amphenol FCI

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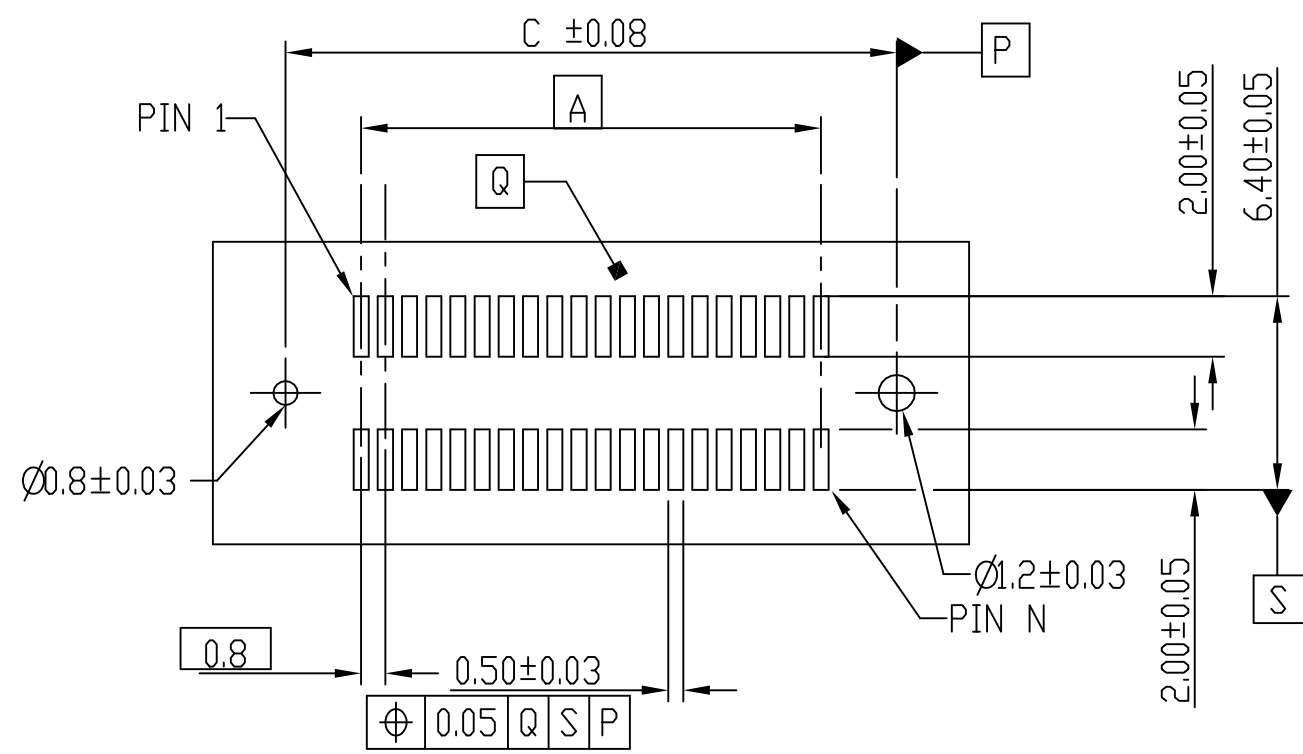
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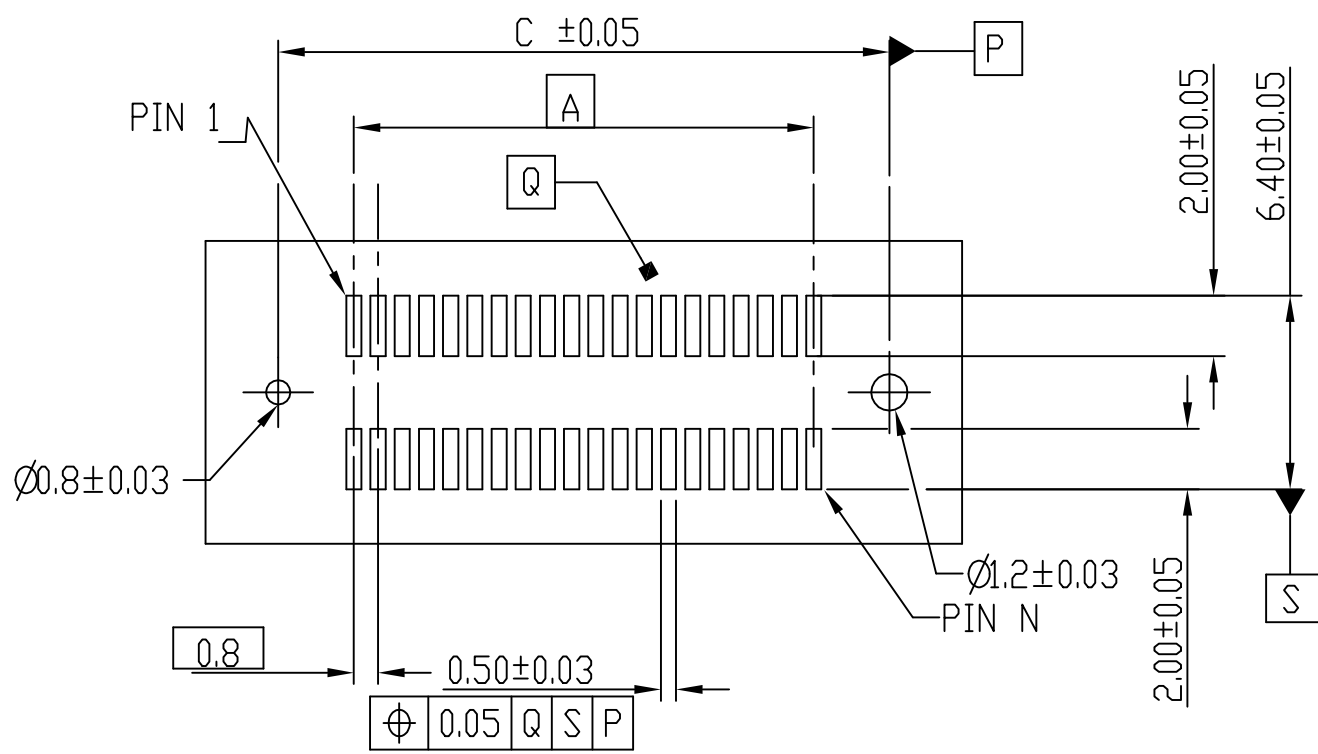
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RECOMMENDED PCB LAYOUT WITHOUT PEG FOR
NO. OF PDS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



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		BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
AV				angles	.0±.2	mm	PLUG ASSY BERGSTAK 0.8MM			
				linear	.00±.15					
				0°±3°	.000±.10	scale 1:1	dwg no sheet6 of 6 size			
				dr	GuoMin Sun	2014-10-21	61083 A3			
				engr	Alan Ni	2025-02-18				
				chr	LQ Lei	2025-02-18	type Product Customer Drawing			
				appd	Tim Yao	2025-02-18				
sheet index	revision sheet	AV 1								

Mouser Electronics

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