

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

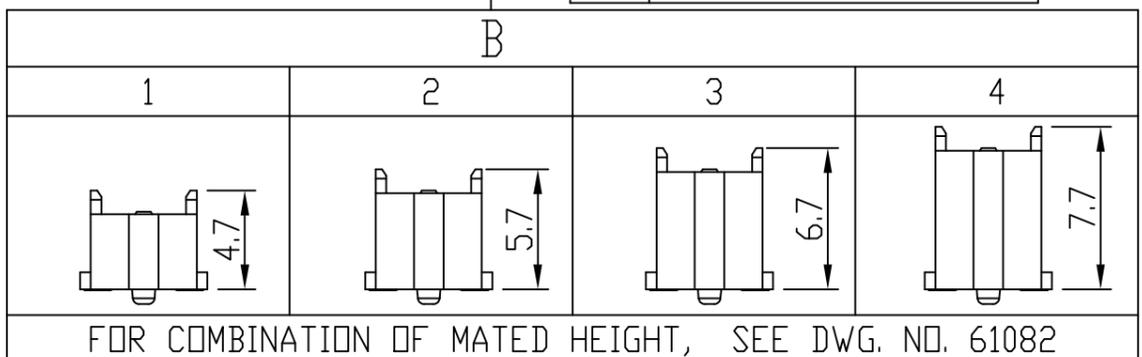
NOTE 10
NOTE 10
NOTE 11
NOTE 10
NOTE 12

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

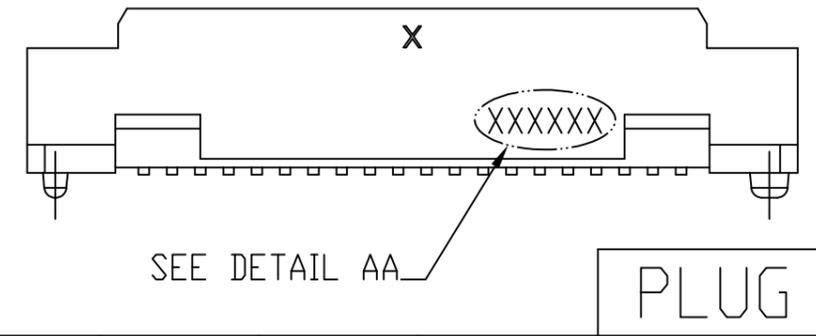
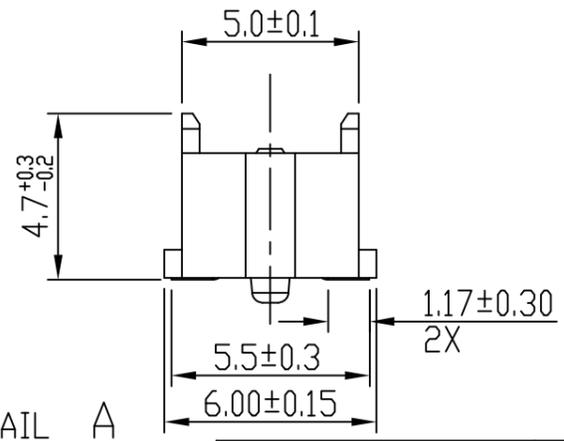
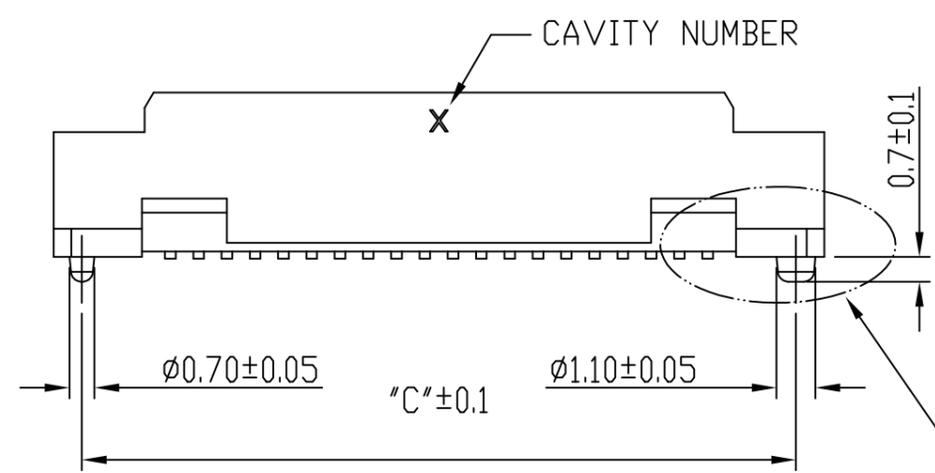
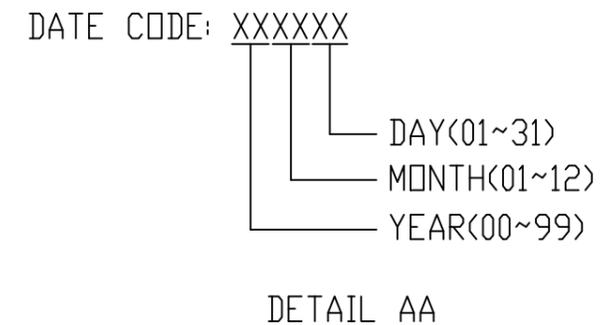
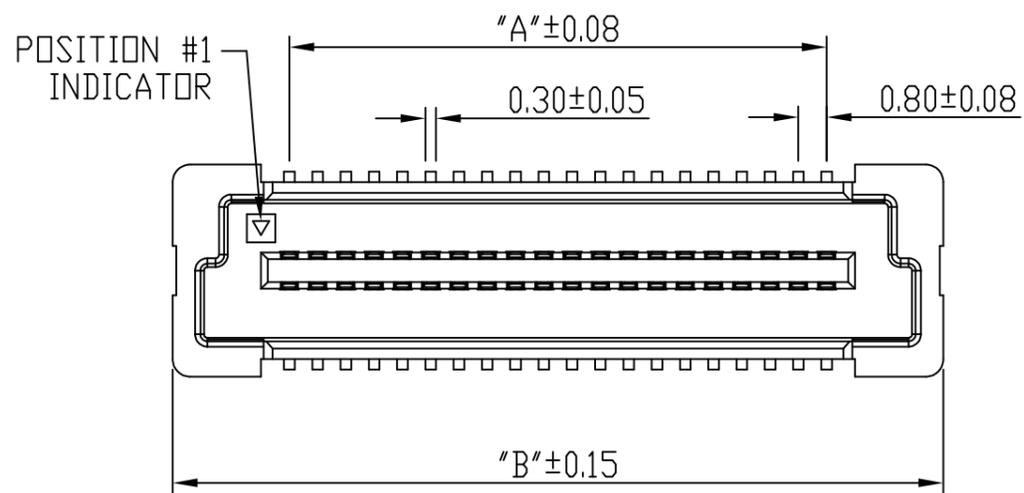
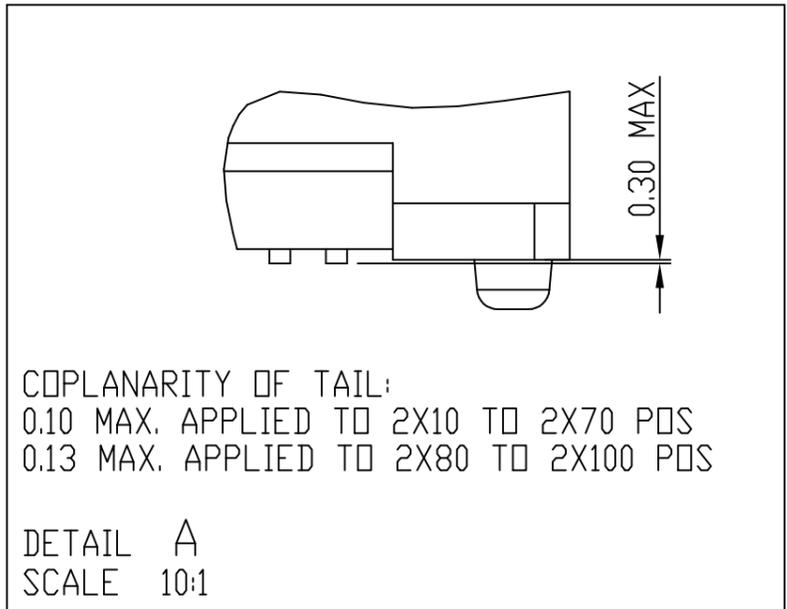
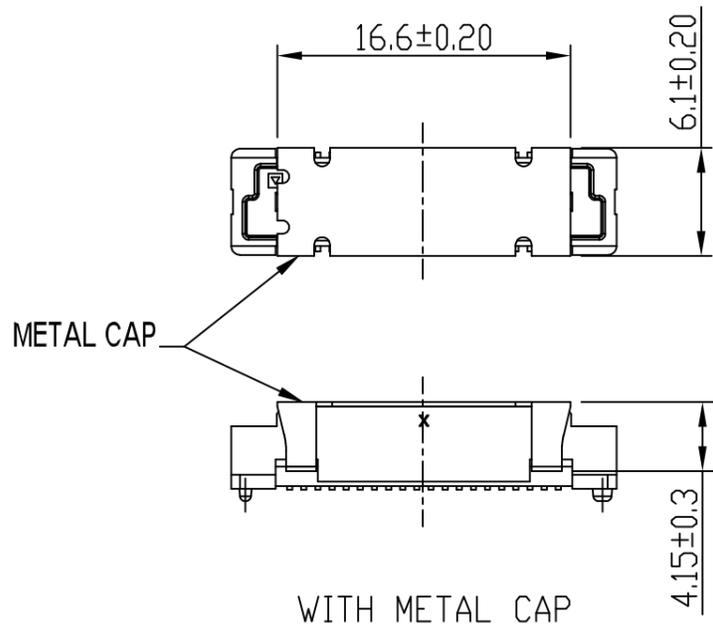


C	PLATING ON CONTACT AREA / ON SOLDER TAIL AREA	FF
0	GOLD 0.2um MIN. ON CONTACT AREA / TIN LEAD 2.5um MIN ON SOLDER TAIL	NONE
1	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA / TIN LEAD 2.5um MIN ON SOLDER TAIL	NONE
4	GOLD 0.2um MIN ON CONTACT AREA / MATT TIN 2.5um MIN ON SOLDER 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:
- MATERIAL:
HOUSING: G.F. LCP, NATURAL, UL94-V0, MSL LEVEL 1
TERMINAL: BRASS
 - PLATING: AS SHOWN IN TABLE. NICKEL UNDERPLATE OVERALL 1.27um. MIN.
 - 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.
 - PACKAGING OPTION "TRAY WITH METAL CAP" ONLY APPLY TO PLUG 1 200P.

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family	
ltr		ecn no		dr		date		BERGSTAK HPL545	
AP		ELX-N-33922		Bob		2019-07-05		title	
AR		ELX-N-34967		Bob		2019-09-26		PLUG ASSY	
AS		ELX-N-35593		Bob		2020-01-10		BERGSTAK 0.8MM	
AT		ELX-N-37512		Bob		2020-06-28		dwg no	
AU		ELX-N-49334		Alan		2023-12-18		sheet 1 of 6	
AV		ELX-N-54701		Alan		2025-02-18		size	
AN		ELX-N-30741		Bob		2018-11-22		A3	
sheet		revision		AL		AM		AN	
index		sheet		1~6		1~6		1	

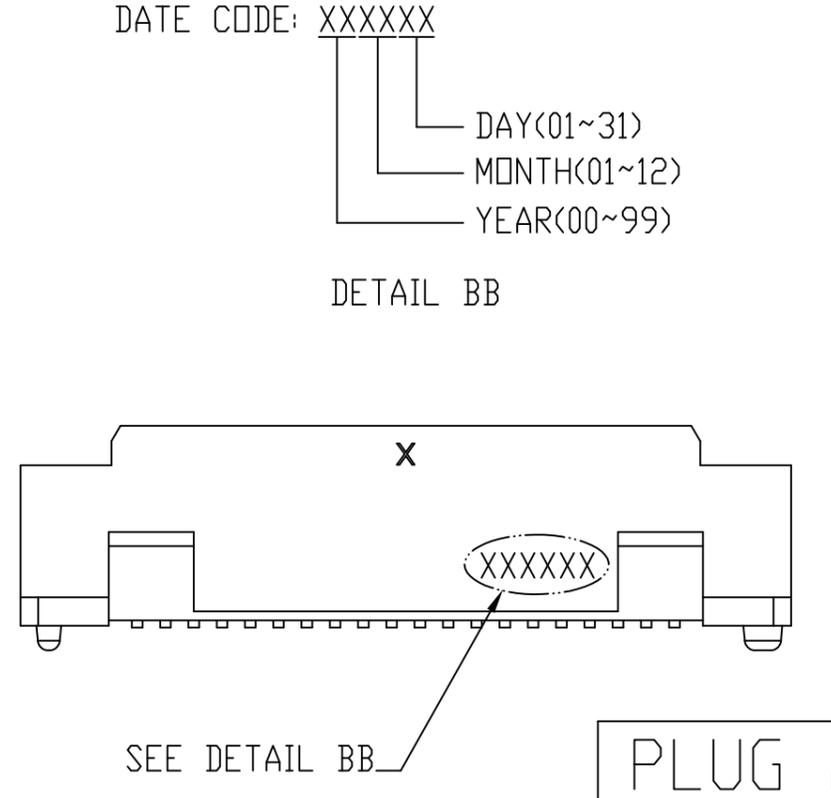
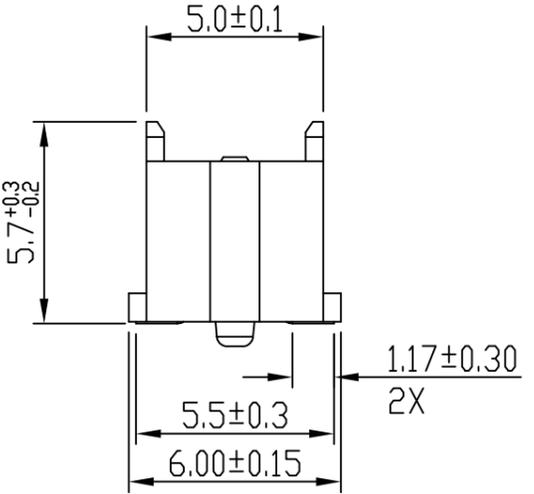
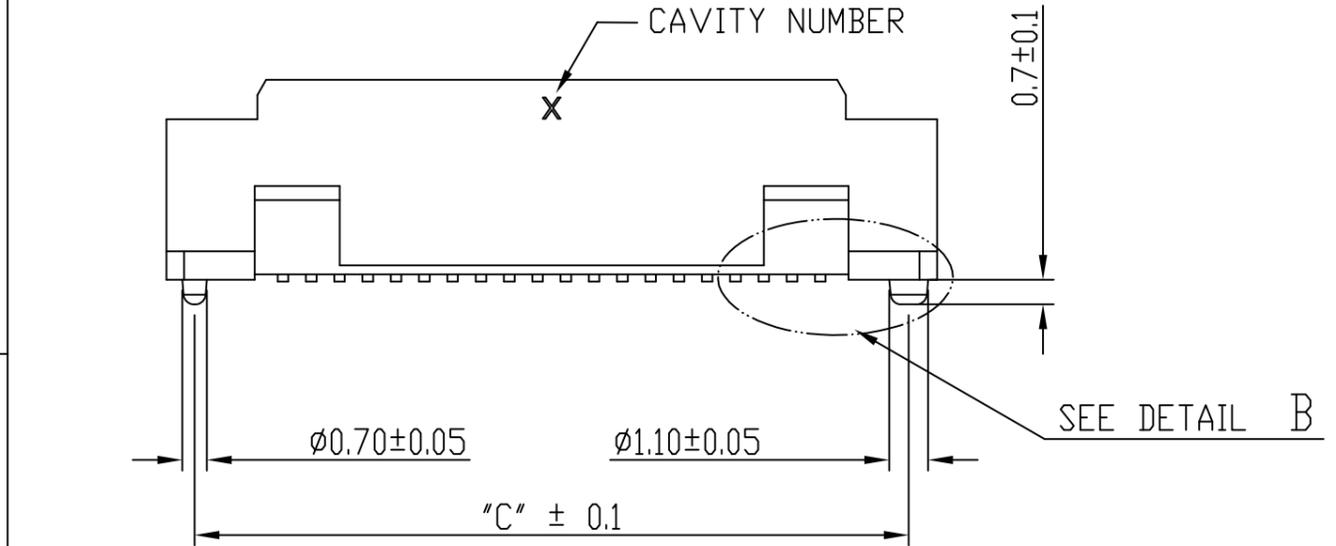
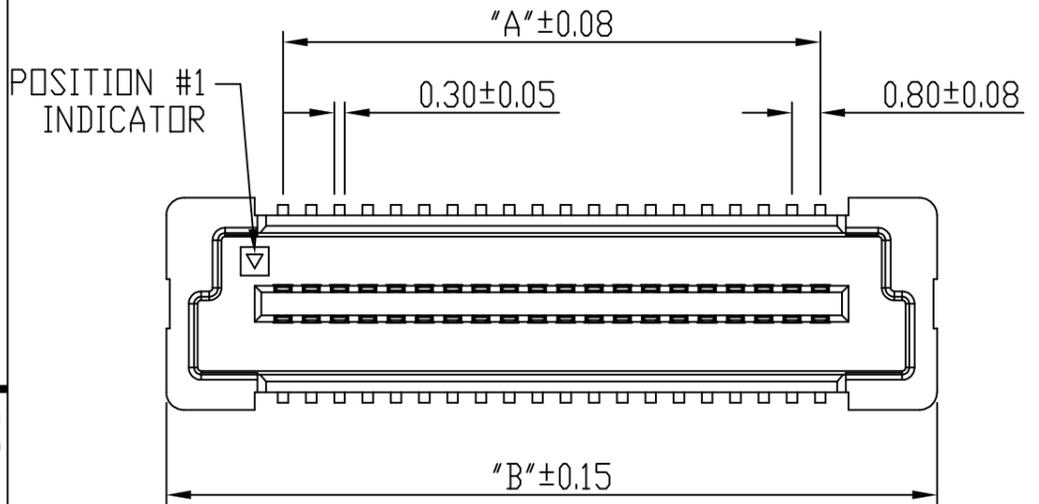
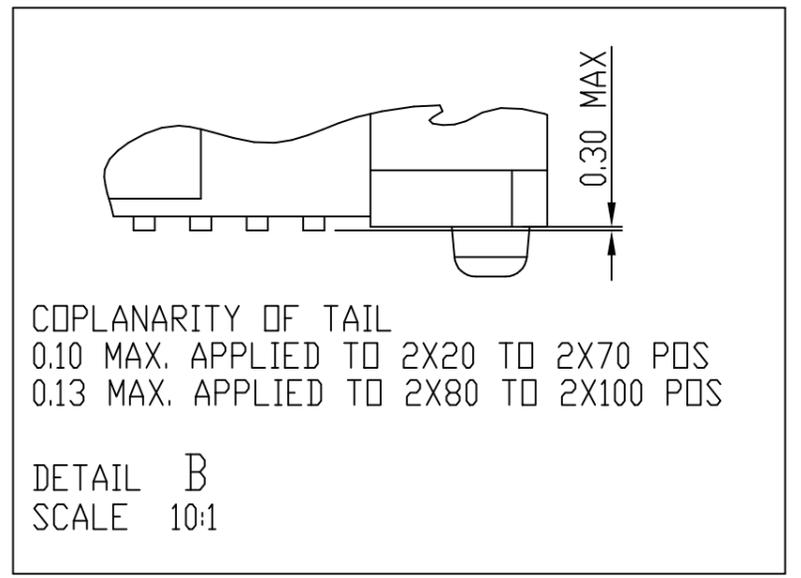
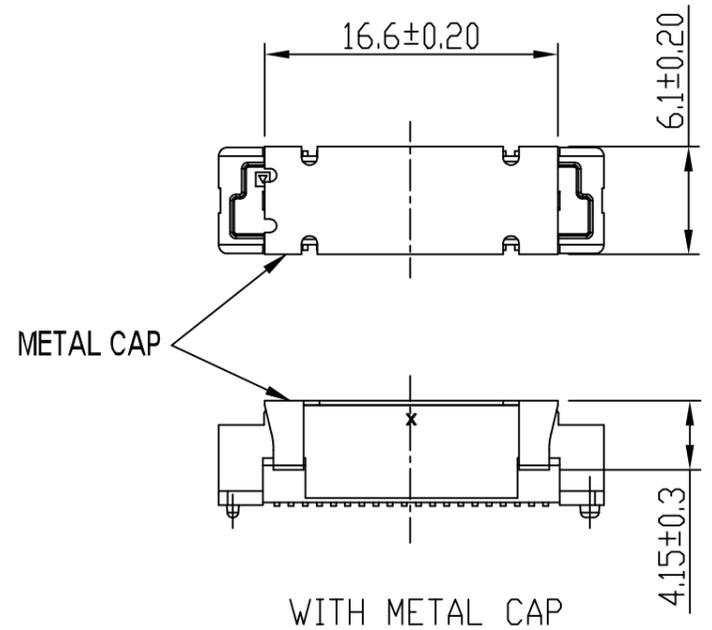
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-021***	2X10	7.2	13.8	12.2
61083-041***	2X20	15.2	21.8	20.2
61083-061***	2X30	23.2	29.8	28.2
61083-081***	2X40	31.2	37.8	36.2
61083-101***	2X50	39.2	45.8	44.2
61083-121***	2X60	47.2	53.8	52.2
61083-141***	2X70	55.2	61.8	60.2
61083-161***	2X80	63.2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



mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 1101		product family BERGSTAK HPL545	
ltr		ecn no		dr		date		title	
AV								PLUG ASSY BERGSTAK 0.8MM	
		angles		linear		.0±.2		mm	
		0°±3°				.00±.15		scale 1:1	
		dr		GuoMin Sun		2014-10-21		Amphenol FCI	
		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 sheet		AV 1					

© 2016 AFCI
 Amphenol FCI
 © 2016 AFCI

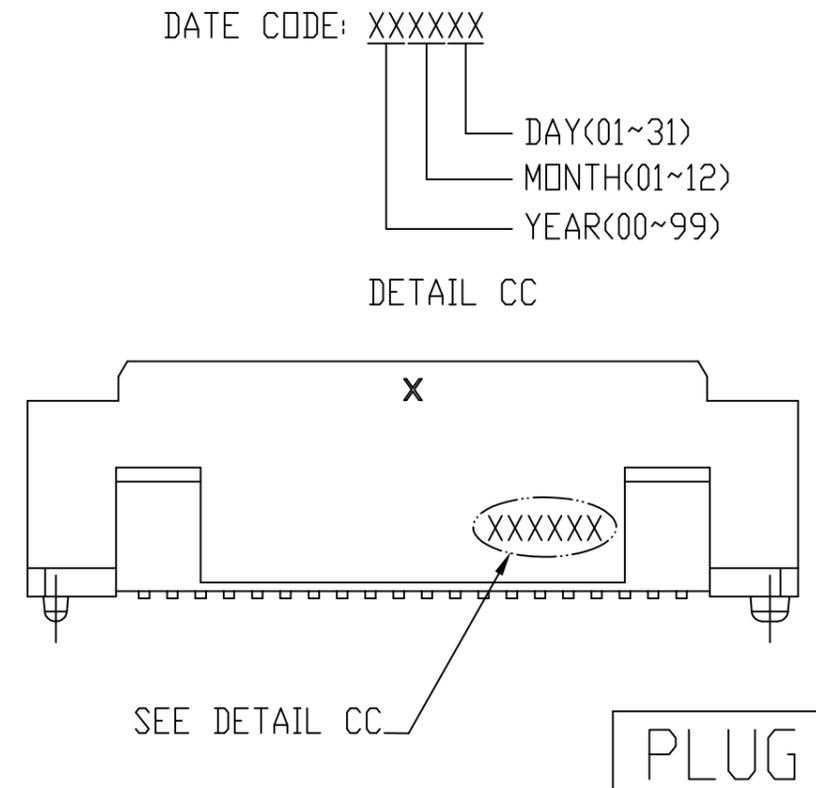
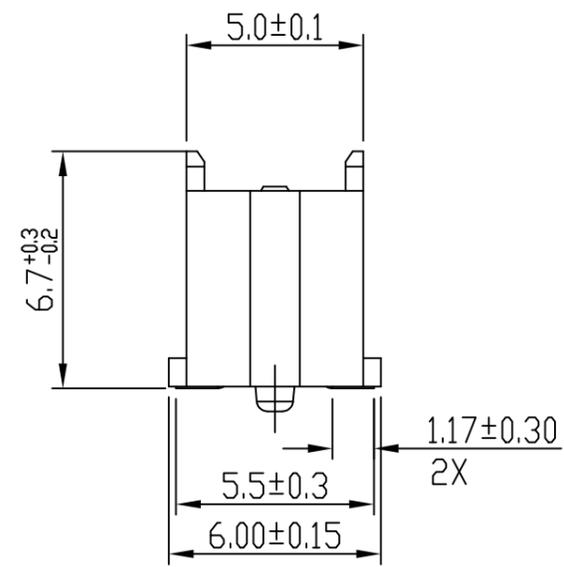
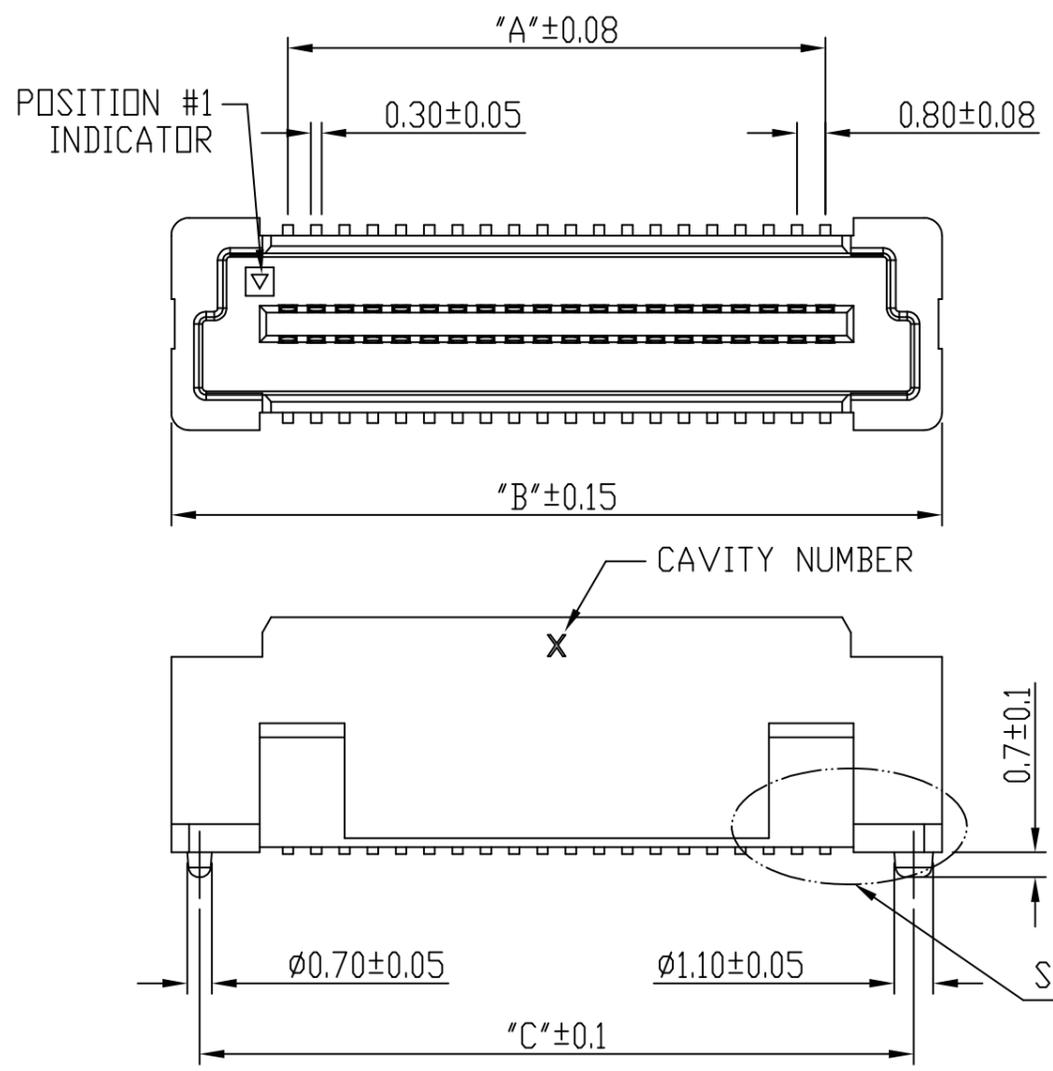
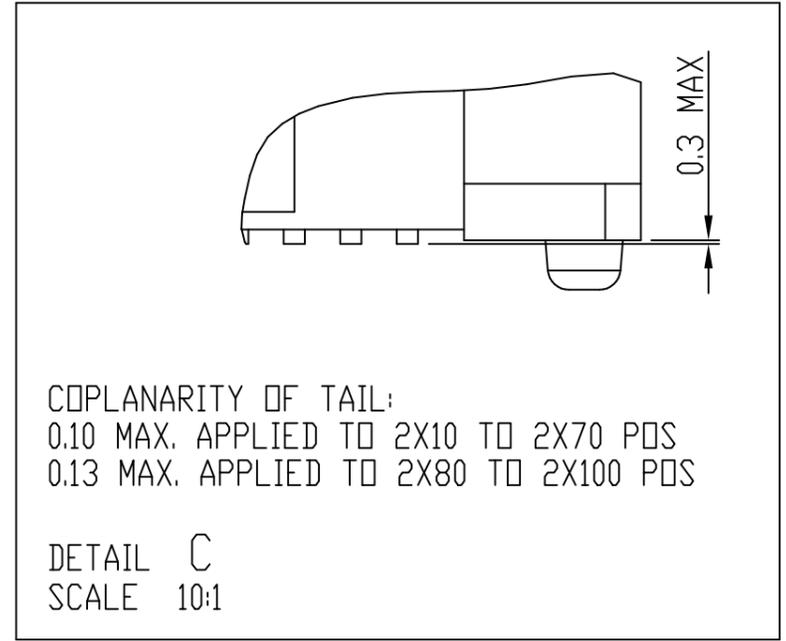
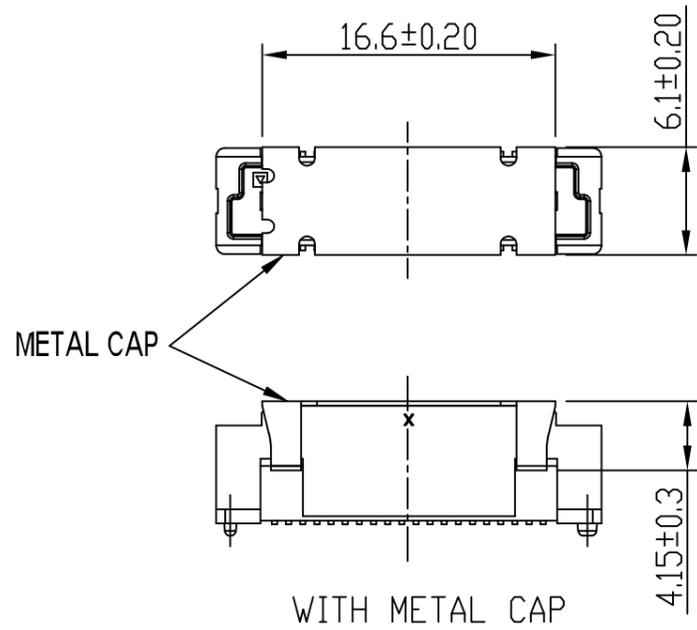
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-042***	2X20	15.2	21.8	20.2
61083-062***	2X30	23.2	29.8	28.2
61083-082***	2X40	31.2	37.8	36.2
61083-102***	2X50	39.2	45.8	44.2
61083-122***	2X60	47.2	53.8	52.2
61083-142***	2X70	55.2	61.8	60.2
61083-162***	2X80	63.2	69.8	68.2
61083-182***	2X90	71.2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



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

© 2016 AFCI
 Amphenol FCI
 © 2016 AFCI

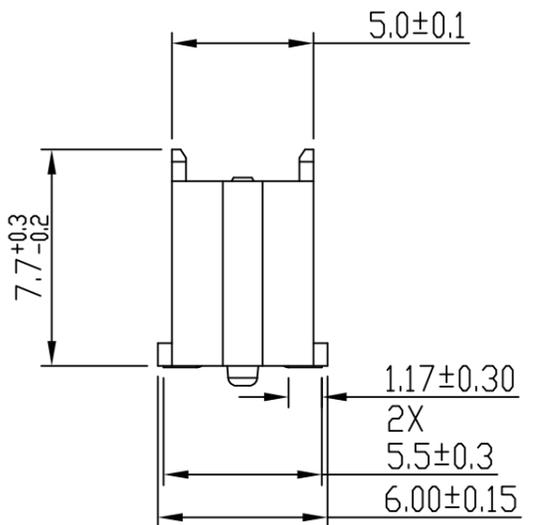
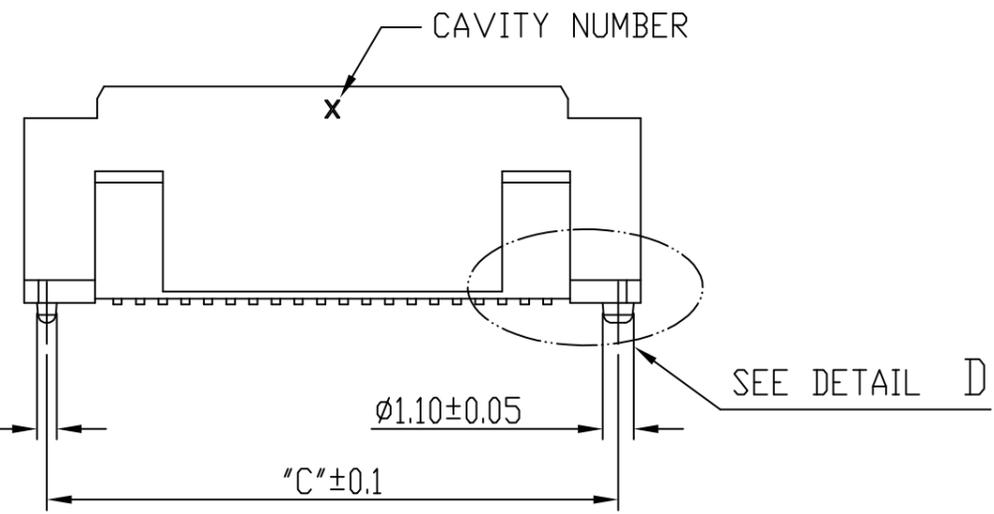
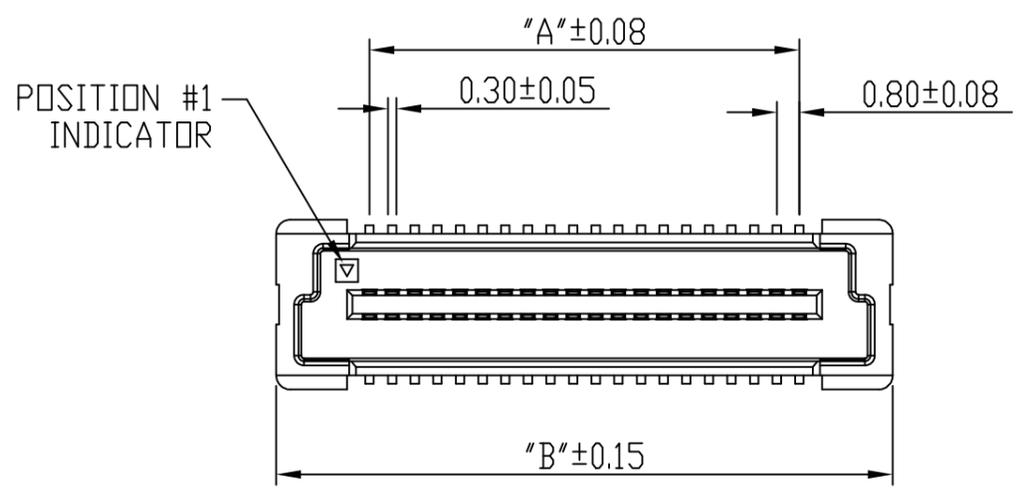
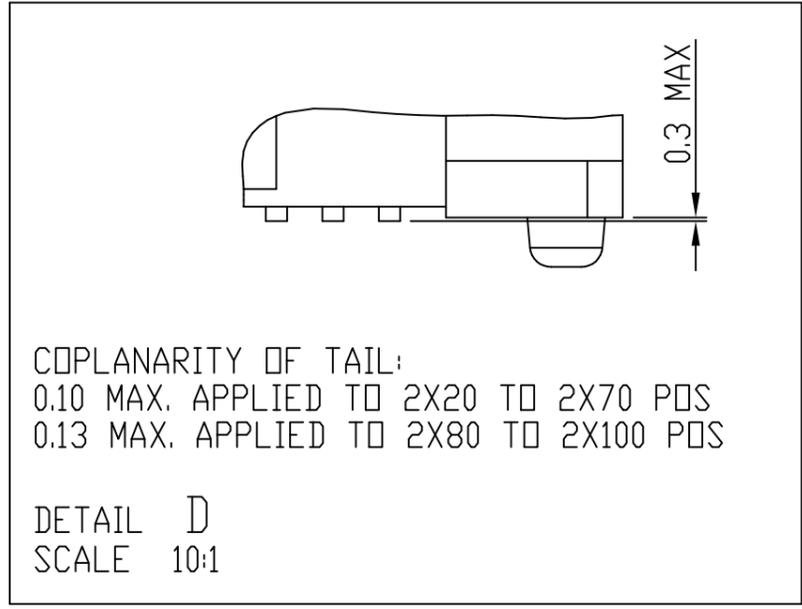
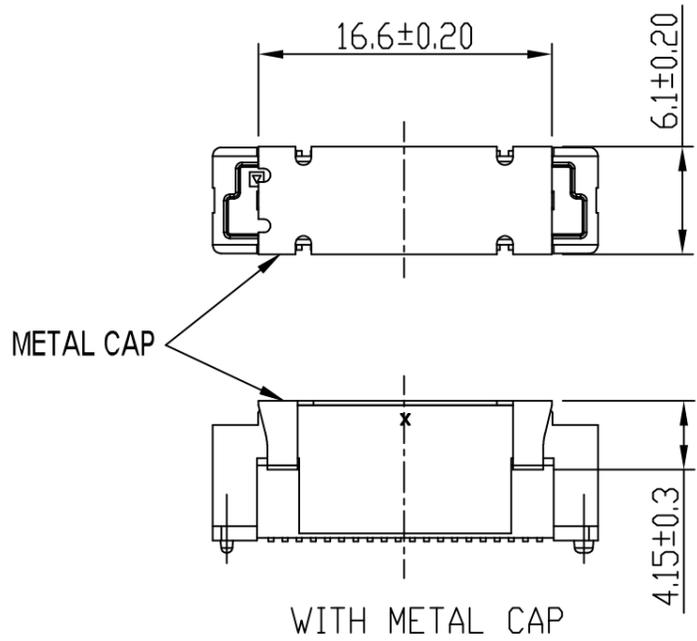
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
61083-023***	2X10	7.2	13.8	12.2
61083-043***	2X20	15.2	21.8	20.2
61083-063***	2X30	23.2	29.8	28.2
61083-083***	2X40	31.2	37.8	36.2
61083-103***	2X50	39.2	45.8	44.2
61083-123***	2X60	47.2	53.8	52.2
61083-143***	2X70	55.2	61.8	60.2
61083-163***	2X80	63.2	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	tolerance	projection	product family
		ISO 1302 ✓	ISO 406 ISO 1101	mm	BERGSTAK HPL545
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
AV				angles linear	PLUG ASSY BERGSTAK 0.8MM
				0°±3'	
				dr	GuoMin Sun 2014-10-21
				eng	Alan Ni 2025-02-18
				chr	LQ Lei 2025-02-18
				appd	Tim Yao 2025-02-18
sheet index	revision sheet	AV	1		

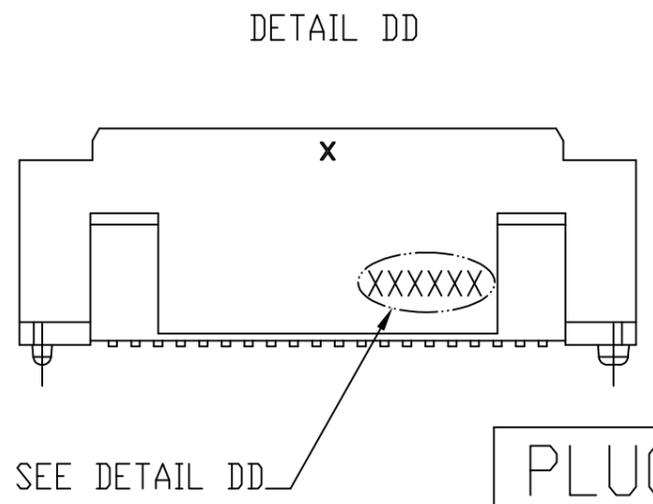
© 2016 AFCI
 Amphenol FCI
 © 2016 AFCI

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

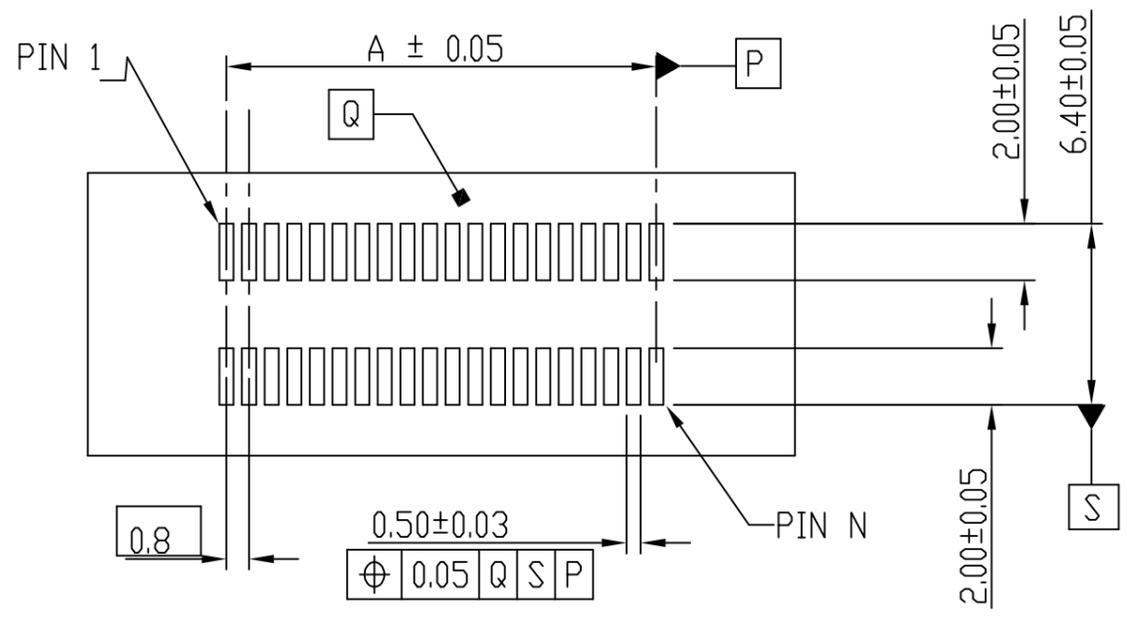
- DAY(01~31)
- MONTH(01~12)
- YEAR(00~99)



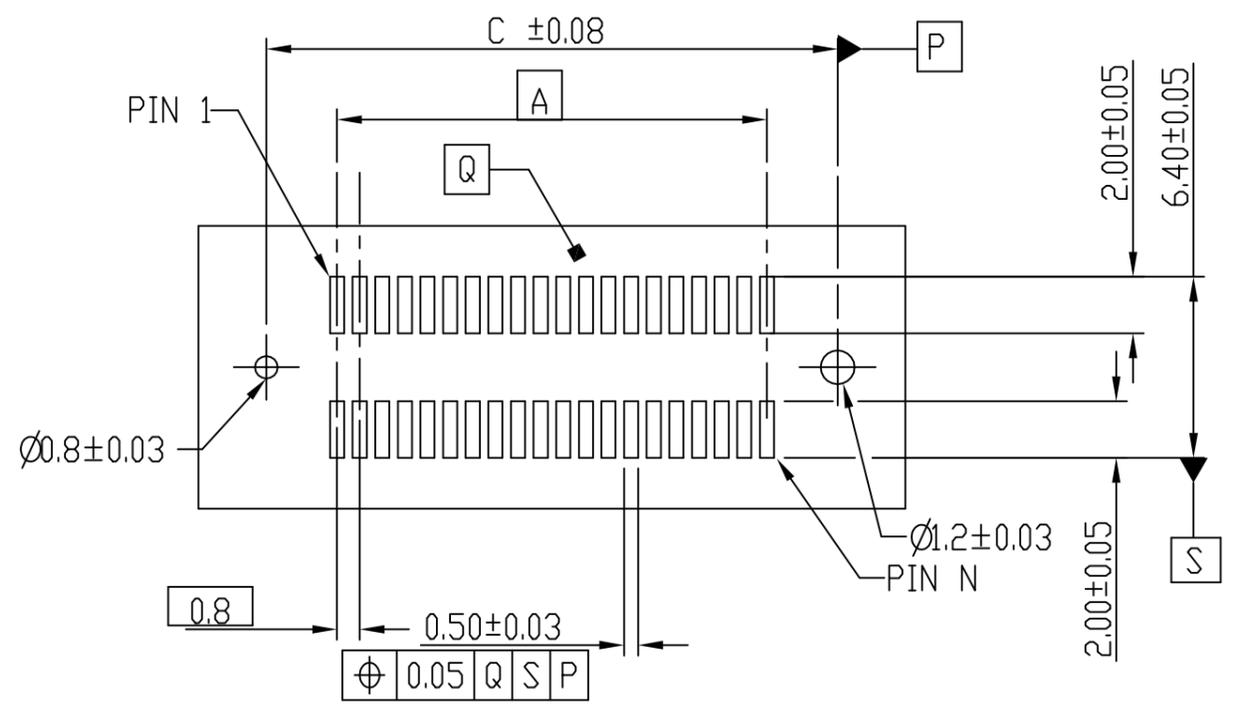
mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 1101		product family BERGSTAK HPL545	
ltr		ecn no		dr		date		title	
AV								PLUG ASSY BERGSTAK 0.8MM	
		angles		linear		mm		scale 1:1	
		0°±3'						dwg no sheet 5 of 6 size	
		dr		GuoMin Sun		2014-10-21		61083 A3	
		engr		Alan Ni		2025-02-18		type Product Customer Drawing	
		chr		LQ Lei		2025-02-18			
		appd		Tim Yao		2025-02-18			
sheet index		revision sheet		AV		1			

Amphenol FCI
 © 2016 AFCI
 form: A3-2016-02-24

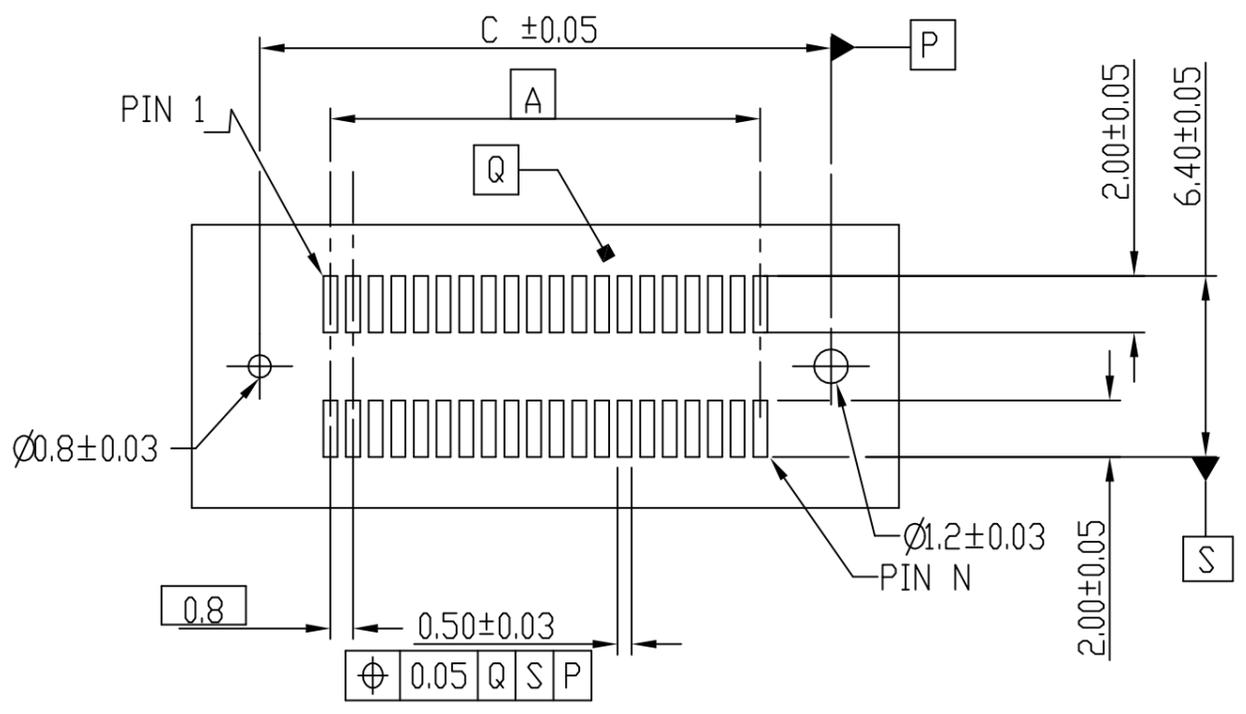
FOR PLUG 1/2/3/4



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		tolerance		projection		product family	
		ISO 1302 ✓		ISO 406 ISO 1101		mm		BERGSTAK HPL545	
ltr		ecn no		dr		date		title	
AV								PLUG ASSY BERGSTAK 0.8MM	
		angles		linear		scale 1:1		dwg no	
		0°±3'						sheet 6 of 6 size	
		dr		GuoMin Sun		2014-10-21		61083	
		engr		Alan Ni		2025-02-18		A3	
		chr		LQ Lei		2025-02-18		type	
		appd		Tim Yao		2025-02-18		Product Customer Drawing	
sheet index		revision sheet		AV 1					

© 2016 AFCI
 Amphenol FCI