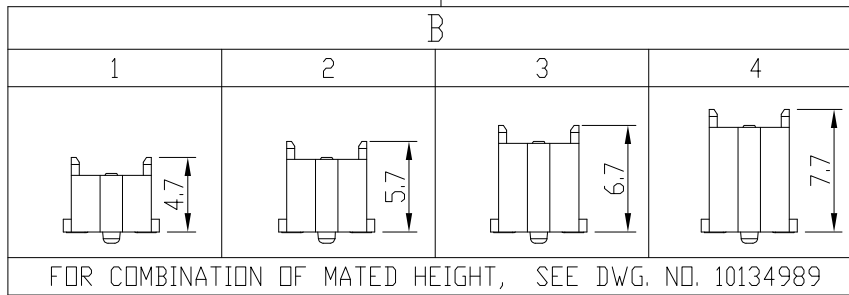


10134990- AA B C D E G FF

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



G	DATE CODE
/	NOT PRINT DATE CODE
P	PRINT DATE CODE

E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
Q	T&R WITHOUTL CAP
W	T&R WITH METAL CAP (FOR OCEAN SHIPPING)
9	TUBE WITH METAL CAP
6	T&R WITH KAPTON TAPE
7	T&R WITH PLASTIC CAP

D	PEGS
0	YES
2	NO

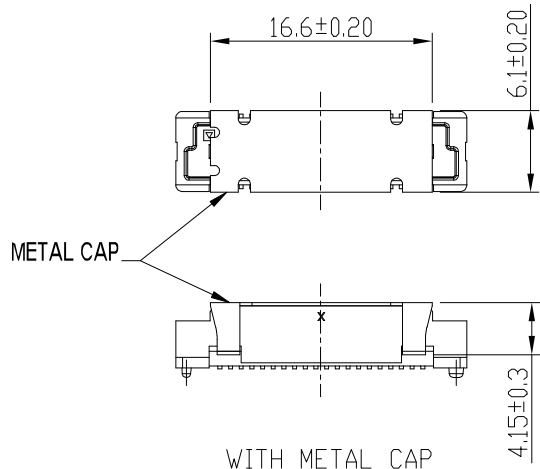
C	PLATING: CONTACT AREA / SOLDER TAIL AREA	FF
0	GOLD 0.2um MIN. / TIN LEAD 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / TIN LEAD 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN / PURE MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
5	GOLD 0.38um MIN / MATT PURE TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um MIN (LEADFREE PLATING)	LF
6	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / PURE MATT TIN 2.5um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
9	GOLD 0.2um MIN / GOLD 0.05um MIN NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF

NOTE:

- MATERIAL:
HOUSING: G.F. LCP, UL94-V0
TERMINAL: BRASS
METAL CAP: STAINLESS STEEL
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-1325 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 10134990-***** OR 10134990-*****LF NOT PRINT DATE CODE. THE P/N 10134990-*****P OR 10134990-*****PLF NEED PRINT DATE CODE.
- POSITION 2X10 TYPE ONLY APPLY TO PLUG 1. PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
- KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.
- PIN SOLDER TAIL OVERLAPPING NEED 50% MIN.
- DIMENSIONS NEED TO MEASURE BY QC

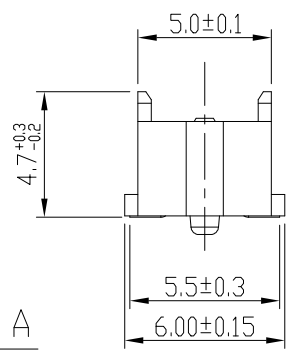
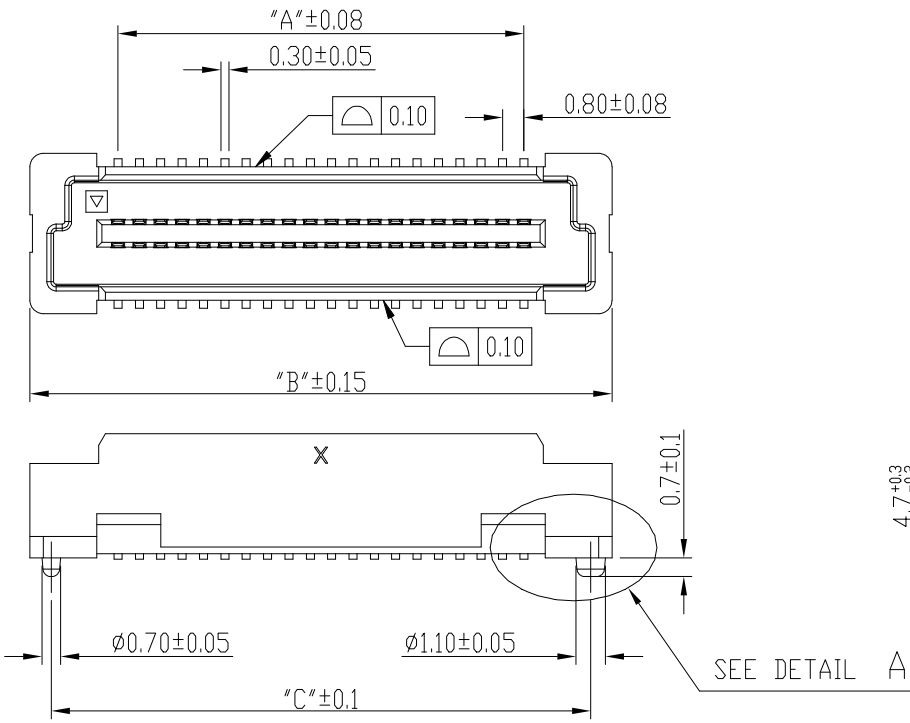
mat'l. code		surface <input checked="" type="checkbox"/> ISO 1302		tolerance <input checked="" type="checkbox"/> ISO 406		projection <input checked="" type="checkbox"/> ISO 1101		product family	
ltr		ecn no		dr		date		BERGSTAK HPL545	
A		ELX-N-33922		Bob		2019-07-03		title	
B		ELX-N-34381		Bob		2019-07-31		PLUG ASSY	
C								BERGSTAK 0.8MM	
sheet index		revision sheet		A		B		C	
		1~6		1		1		1	
				dr		Jim Meng		2014-10-21	
				enr		Bob Gu		2019-07-31	
				chr		LQ Lei		2019-07-31	
				appd		Tim Yao		2019-07-31	
								Amphenol FCI	
								dwg no	
								10134990	
								sheet 1 of 6	
								size	
								A3	
								type	
								Product Customer Drawing	

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10134990-021***	2X10	7.2	13.8	12.2
10134990-041***	2X20	15.2	21.8	20.2
10134990-061***	2X30	23.2	29.8	28.2
10134990-081***	2X40	31.2	37.8	36.2
10134990-101***	2X50	39.2	45.8	44.2
10134990-121***	2X60	47.2	53.8	52.2
10134990-141***	2X70	55.2	61.8	60.2
10134990-161***	2X80	63.2	69.8	68.2
10134990-181***	2X90	71.2	77.8	76.2
10134990-201***	2X100	79.2	85.8	84.2



COPLANARITY OF TAIL:
0.10 MAX. APPLIED TO 2X20 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

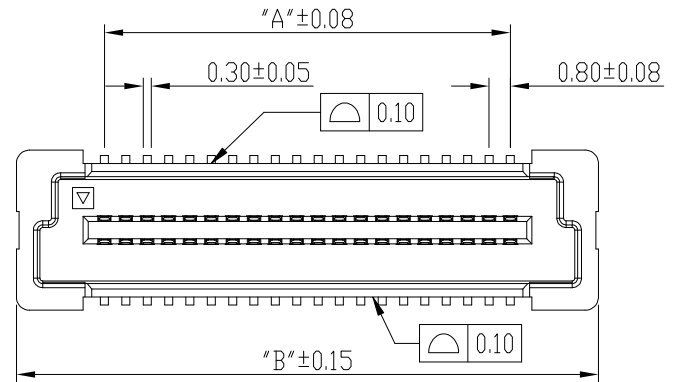
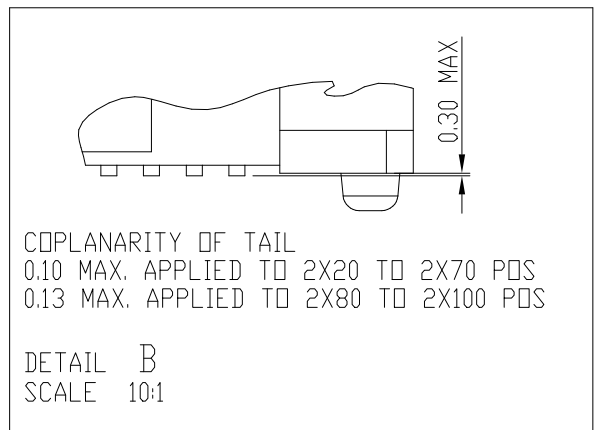
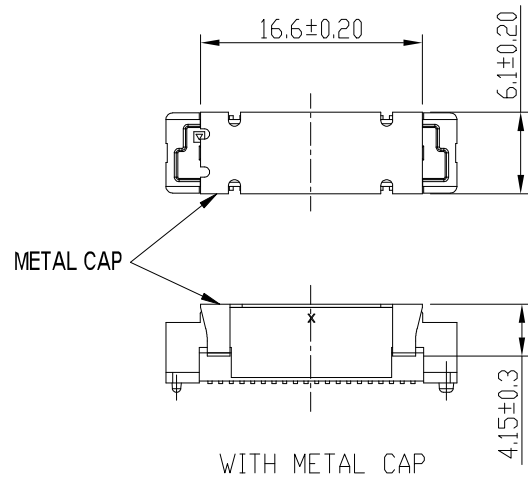
PLUG 1

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family	
ltr		ecn no		dr		date		BERGSTAK HPL545	
c								title	
								PLUG ASSY	
								BERGSTAK 0.8MM	
								dwg no	
								sheet2 of 6	
								size	
								A3	
								type	
								Product Customer Drawing	
sheet index		revision		c					
		sheet		1					

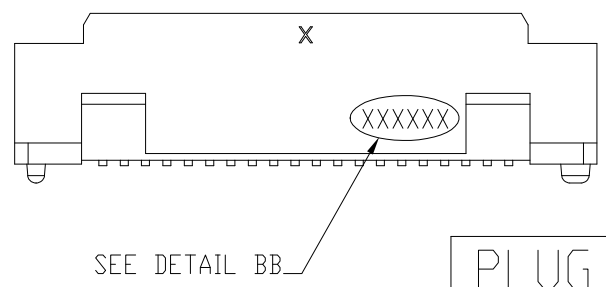
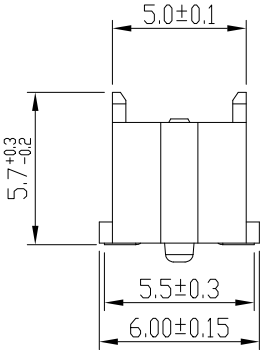
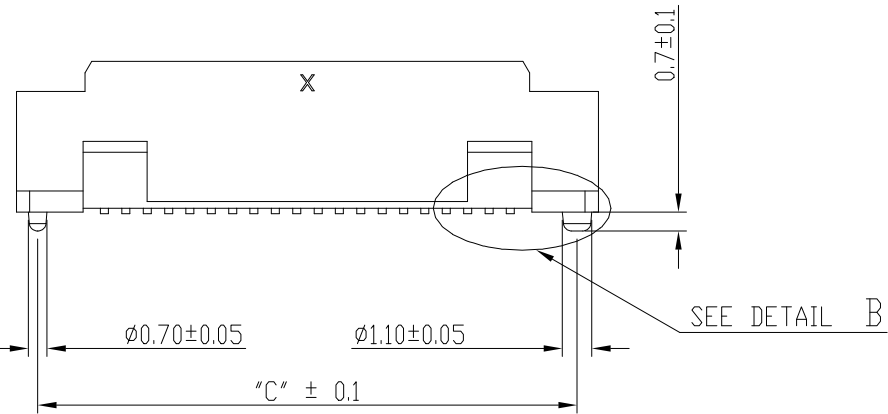
Amphenol FCI

© 2016 AFCI

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10134990-042***	2X20	15.2	21.8	20.2
10134990-062***	2X30	23.2	29.8	28.2
10134990-082***	2X40	31.2	37.8	36.2
10134990-102***	2X50	39.2	45.8	44.2
10134990-122***	2X60	47.2	53.8	52.2
10134990-142***	2X70	55.2	61.8	60.2
10134990-162***	2X80	63.2	69.8	68.2
10134990-182***	2X90	71.2	77.8	76.2
10134990-202***	2X100	79.2	85.8	84.2



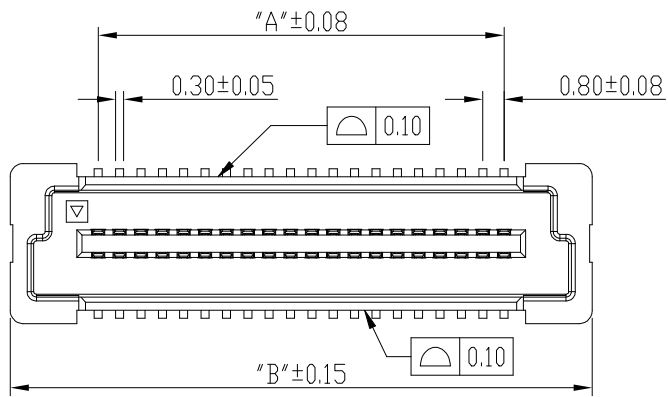
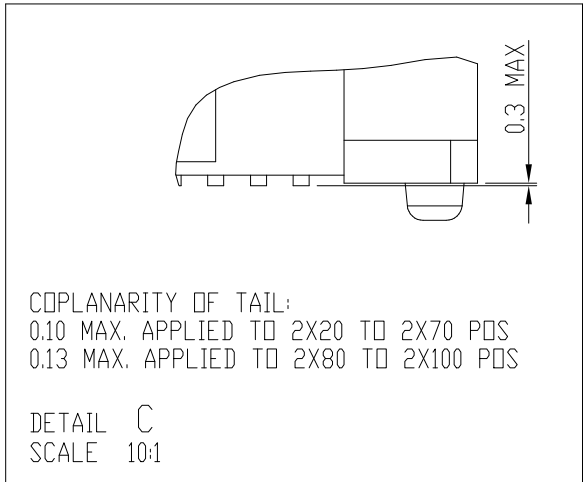
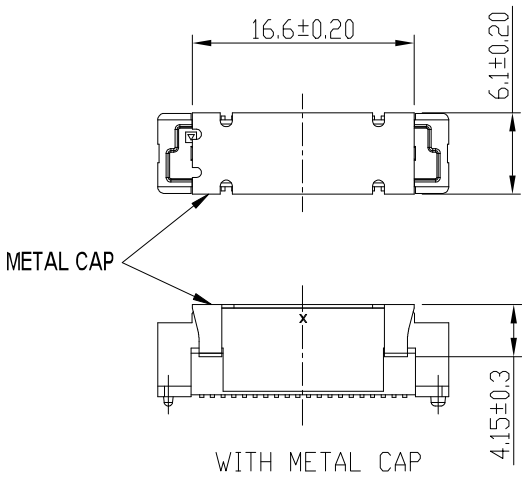
DATE CODE: XXXXXX
 DAY(01~31)
 MONTH(01~12)
 YEAR(00~99)
 DETAIL BB



mat'l. code		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection	product family BERGSTAK HPL545
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
c				angles linear	PLUG ASSY BERGSTAK 0.8MM
				0°±3'	mm
				.0±.2	scale 1:1
				.00±.15	Amphenol FCI
				.000±.10	dwg no 10134990 sheet 3 of 6 size A3
		dr	Jim Meng 2014-10-21		type Product Customer Drawing
		engr	Bob Gu 2019-07-31		
		chr	LQ Lei 2019-07-31		
		appd	Tim Yao 2019-07-31		
sheet index	revision sheet	c	1		

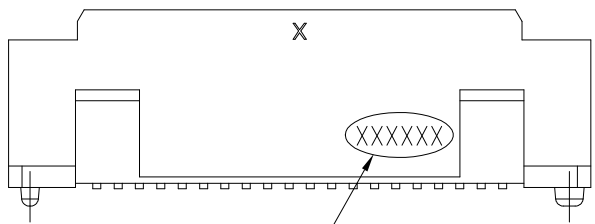
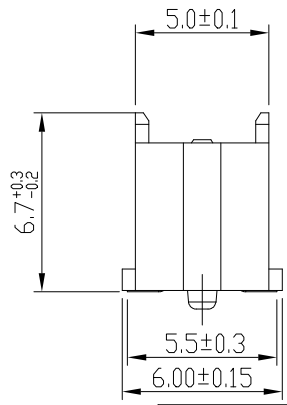
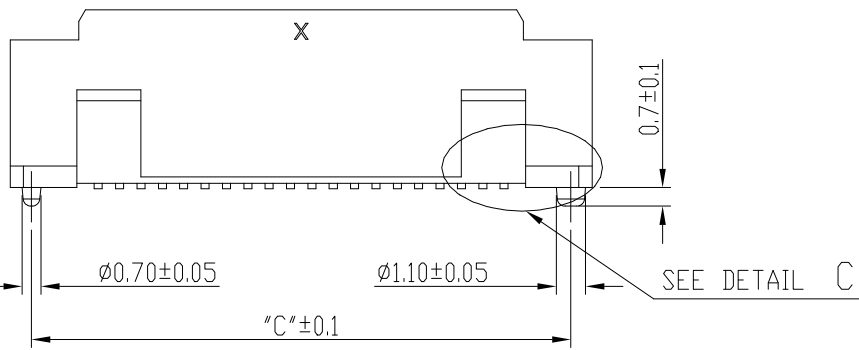
Amphenol FCI
 © 2016 AFCI
 D

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10134990-043***	2X20	15.2	21.8	20.2
10134990-063***	2X30	23.2	29.8	28.2
10134990-083***	2X40	31.2	37.8	36.2
10134990-103***	2X50	39.2	45.8	44.2
10134990-123***	2X60	47.2	53.8	52.2
10134990-143***	2X70	55.2	61.8	60.2
10134990-163***	2X80	63.2	69.8	68.2
10134990-183***	2X90	71.2	77.8	76.2
10134990-203***	2X100	79.2	85.8	84.2



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

DETAIL CC



SEE DETAIL CC

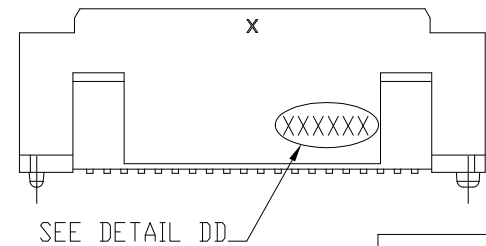
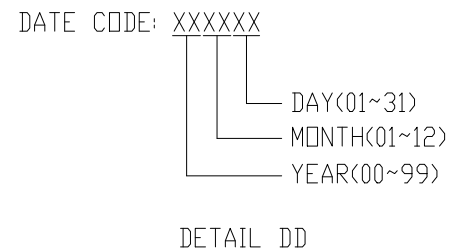
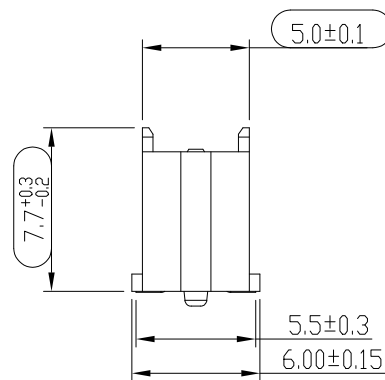
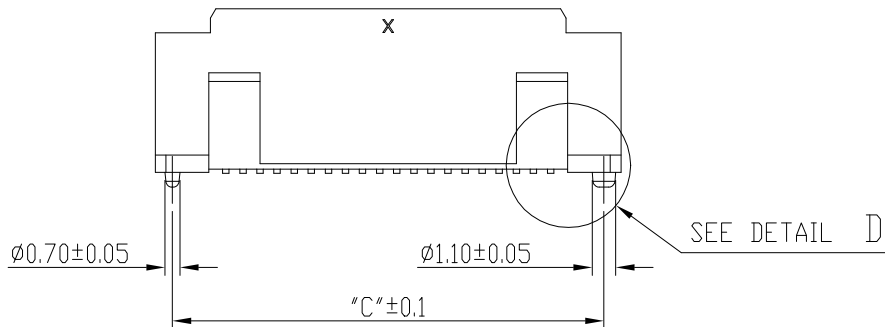
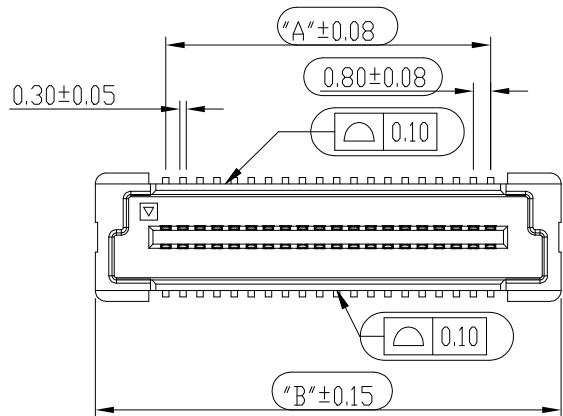
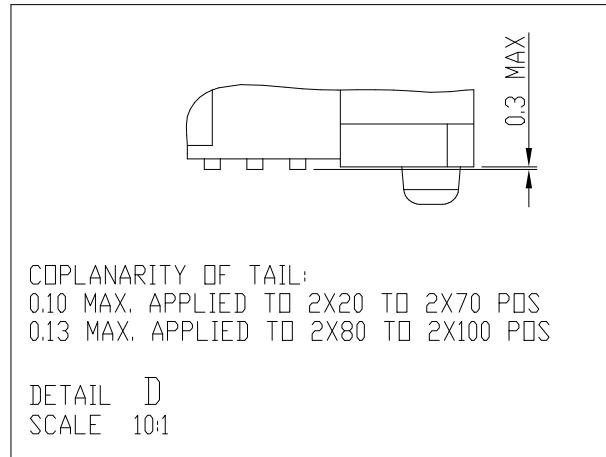
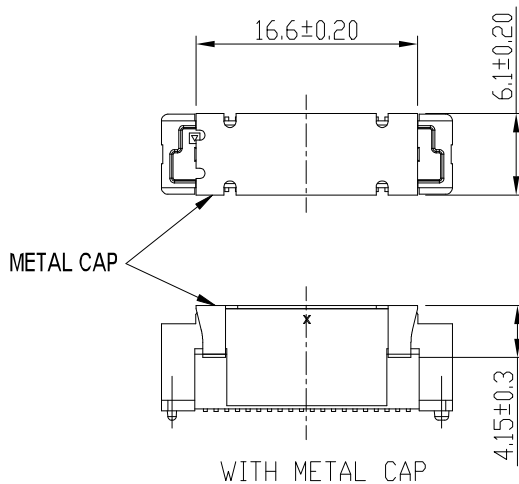
PLUG 3

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family	
ltr		ecn no		dr		date		BERGSTAK HPL545	
c								title	
								PLUG ASSY	
								BERGSTAK 0.8MM	
								dwg no	
								sheet 4 of 6	
								size	
								A3	
								type	
								Product Customer Drawing	
sheet index		revision sheet		c					
		1							

Amphenol FCI

© 2016 AFCl

PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10134990-044***	2X20	15.2	21.8	20.2
10134990-064***	2X30	23.2	29.8	28.2
10134990-084***	2X40	31.2	37.8	36.2
10134990-104***	2X50	39.2	45.8	44.2
10134990-124***	2X60	47.2	53.8	52.2
10134990-144***	2X70	55.2	61.8	60.2
10134990-164***	2X80	63.2	69.8	68.2
10134990-184***	2X90	71.2	77.8	76.2
10134990-204***	2X100	79.2	85.8	84.2



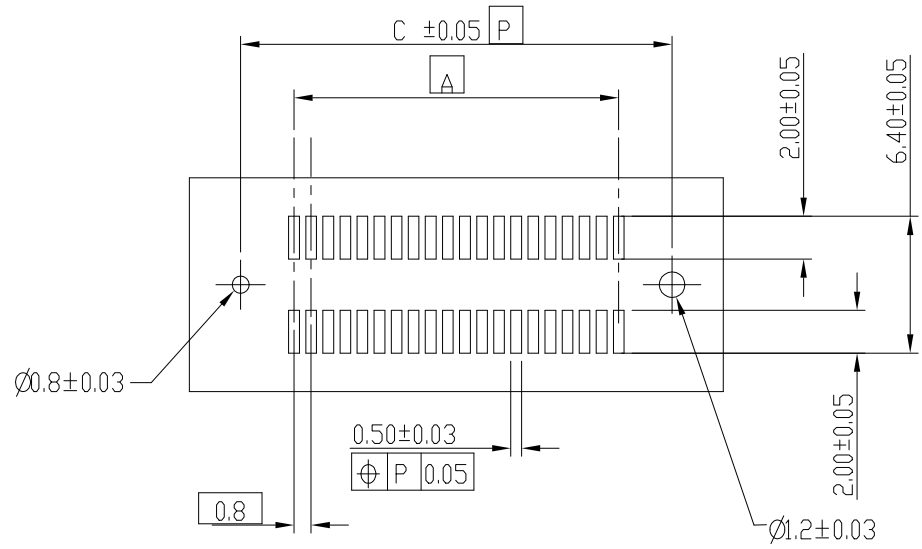
PLUG 4

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family	
ltr		ecn no		dr		date		BERGSTAK HPL545	
c		angles		linear		mm		title	
		0°±3'		.0±.2		←		PLUG ASSY	
				.00±.15		scale 1:1		BERGSTAK 0.8MM	
				.000±.10				dwg no	
		dr		Jim Meng		2014-10-21		sheet 5 of 6	
		engr		Bob Gu		2019-07-31		size	
		chr		LQ Lei		2019-07-31		A3	
		appd		Tim Yao		2019-07-31		type	
sheet index		revision sheet		c				Product Customer Drawing	
		1							

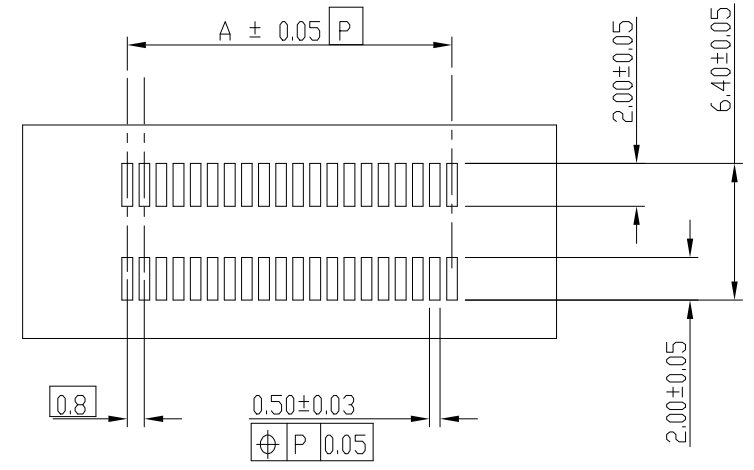
Amphenol FCI

© 2016 AFCI

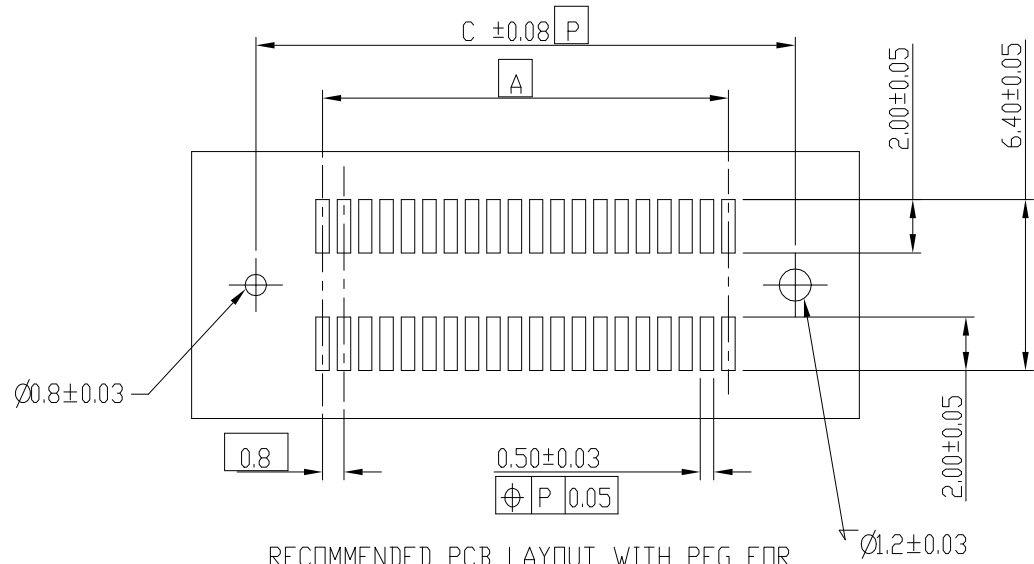
FOR PLUG 1/2/3/4



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



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



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

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
c				angles linear	PLUG ASSY
				0°±3'	BERGSTAK 0.8MM
				.0±.2	mm
				.00±.15	scale 1:1
				.000±.10	Amphenol FCI
		dr	Jim Meng	2014-10-21	dwg no
		engr	Bob Gu	2019-07-31	sheet 6 of 6
		chr	LQ Lei	2019-07-31	size
		appd	Tim Yao	2019-07-31	A3
					type Product Customer Drawing
sheet index	revision	c			
	sheet	1			

Amphenol FCI
 © 2016 AFCl
 D