



Amphenol
FCI

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10069524-

AA B C D E V F F

AA	POSITION
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

B	FOR PLUG, SEE DWG. NO. 10069525			
COMBINATION OF MATED HEIGHT	Plug 1	Plug 2	Plug 3	Plug 4
Recep 1				
Recep 2				
Recep 3				
Recep 4				

NOTES:

- MATERIAL
HOUSING: LCP UL 94V-0
TERMINAL: NICKEL COPPER
- PLATING
AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- SEE GS-14-551 AND GS-14-816 FOR THE DETAILS OF PACKAGING.
PRODUCT WILL BE PACKED IN ACCORDANCE TO GLOBAL PROCEDURE GS-14-920.
- PACKAGING OPTION 2: "NOT ALL SIZES AVAILABLE; CHECK WITH FACTORY".
- THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WITH STAND EXPOSURE UP TO 260° PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR REFLOW OVEN.
- PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION "1".
- THIS PARTNUMBER ONLY CATER FOR SPECIAL CUSTOMER REQUIREMENT OF COPLANARITY OF 0.1 FOR ALL POSITION.

V	MANDATORY CODE
/	STANDARD
H	FOR HUAWEI

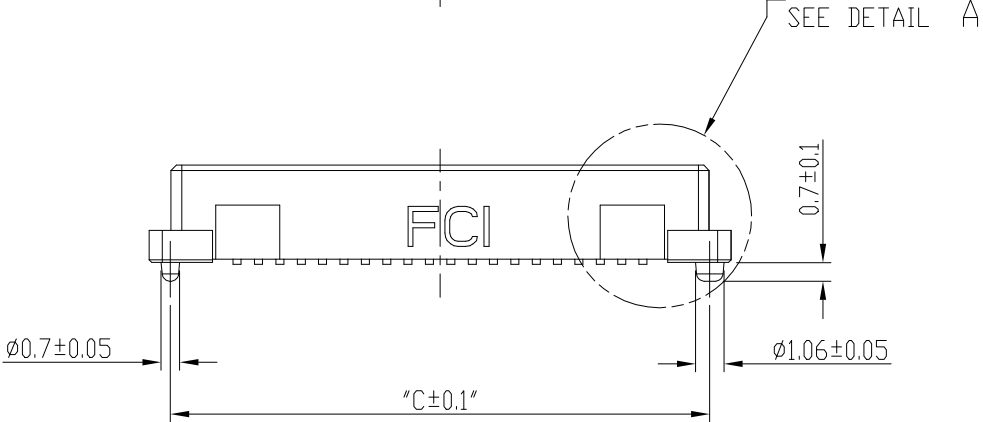
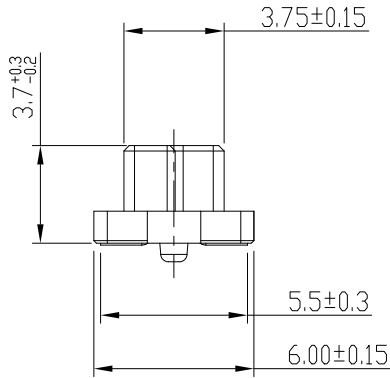
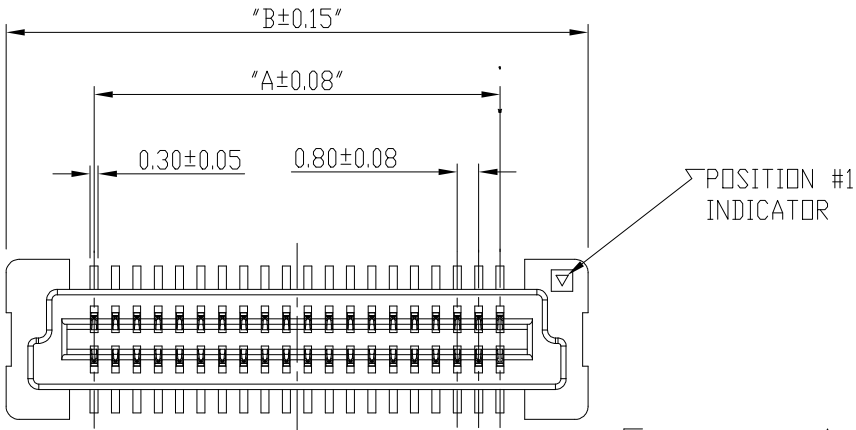
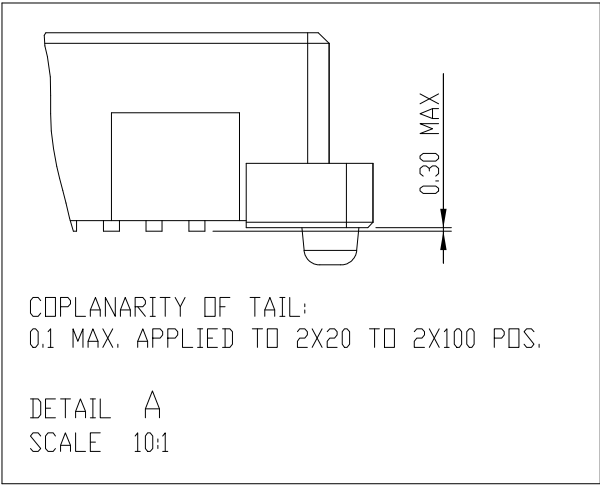
E	PACKAGING
0	TUBE WITHOUT METAL CAP
2	T&R WITH METAL CAP
9	TUBE WITH METAL CAP

D	POLARIZATION PEG	HOLD DOWN
0	YES	NO
2	NO	NO

C	PLATING ON CONTACT AREA	FF
0	GOLD 0.2um MIN / TIN LEAD NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / TIN LEAD NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
4	GOLD 0.2um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
5	GOLD 0.38um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
6	GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL 0.76um MIN / PURE TIN 2um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	LF
9	GOLD 0.2um MIN / GOLD 0.05um MIN (LEAD FREE) NICKEL UNDERPLATE OVERALL 1.27um MIN	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		angles	title		
A	S06-0286	MCH	08/25/06			.0±.2	RECEPTACLE ASSY BERGSTAK 0.8MM		
B	S06-0316	MCH	09/25/06			.00±.15			
C	S09-0326	MCH	10/21/09	X'±2'		.000±.10			
D	ELX-N-20407	Jim	03/26/15	dr	M. Cheong	08/25/06	dwg no		
E	ELX-N-28867	Bob	12/22/17	engr	Bob Gu	11/22/18			
F	ELX-N-31885	Bob	11/22/18	chr	LQ Lei	11/22/18			
				appd	Tim Yao	11/22/18	sheet 1 of 6		
				revision	E	F	size		
				sheet	1~6	1~6	A3		
							type Product Customer Drawing		

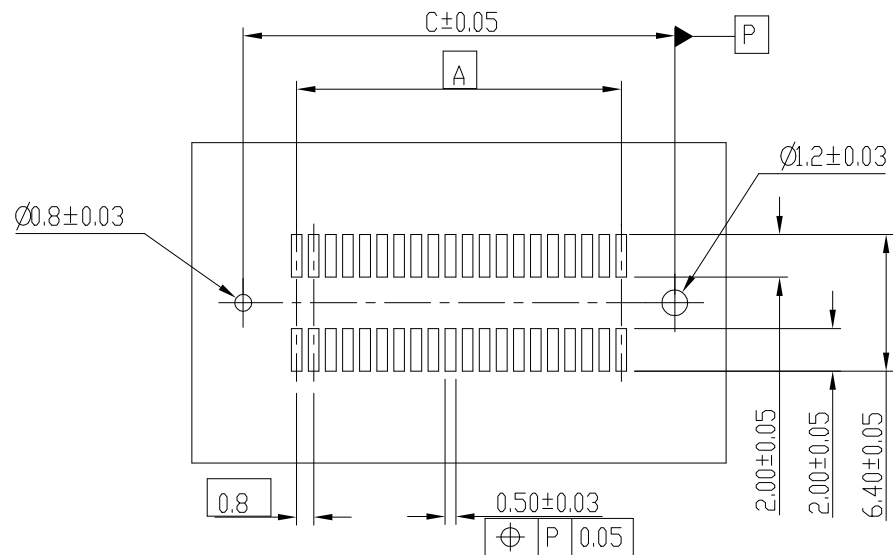
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10069524-041***	2X20	15.2	21.8	20.2
10069524-061***	2X30	23.2	29.8	28.2
10069524-081***	2X40	31.2	37.8	36.2
10069524-101***	2X50	39.2	45.8	44.2
10069524-121***	2X60	47.2	53.8	52.2
10069524-141***	2X70	55.2	61.8	60.2
10069524-161***	2X80	63.2	69.8	68.2
10069524-181***	2X90	71.2	77.8	76.2
10069524-201***	2X100	79.2	85.8	84.2



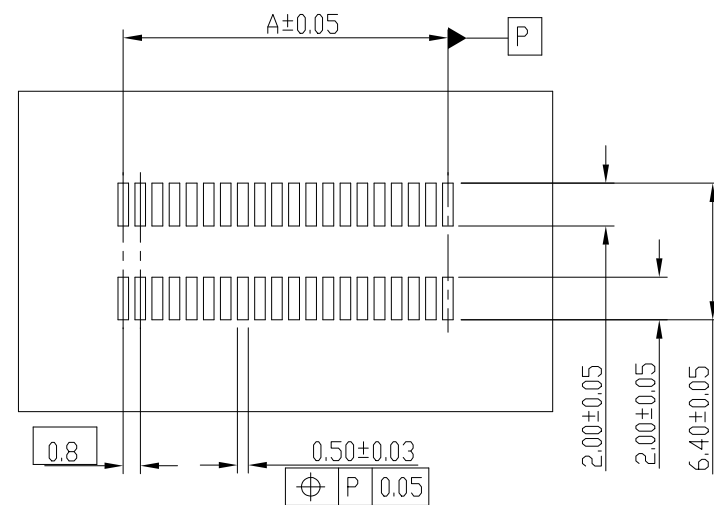
RECEPTACLE 1

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			title RECEPTACLE ASSY BERGSTAK 0.8MM			
F				angles	.0 $\pm$.2	mm				
				linear	.00 $\pm$.15					
				X $\pm$ 2°	.000 $\pm$.10	scale 1:1				
				dr	M. Cheong	08/25/06	dwg no			
				enr	Bob Gu	11/22/18	sheet2 of 6			
				chr	LQ Lei	11/22/18	size			
				appd	Tim Yao	11/22/18	10069524			
								type		
								Product Customer Drawing		
sheet index	revision	F								
	sheet	1~6								

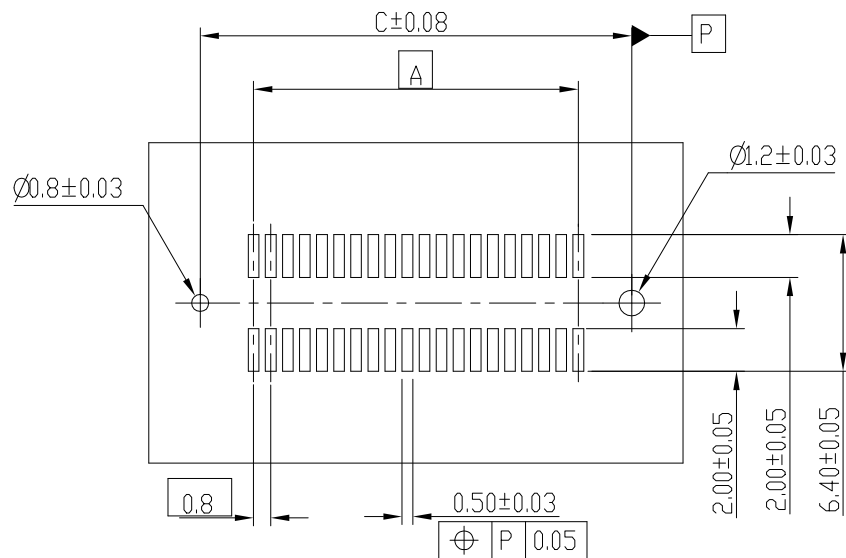
RECEPTACLE 1



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X20, 2X30, 2X40, 2X50, 2X60



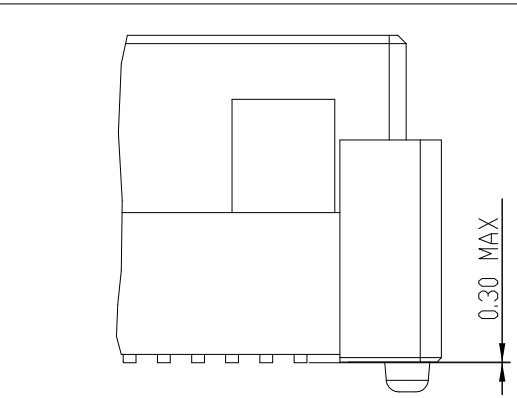
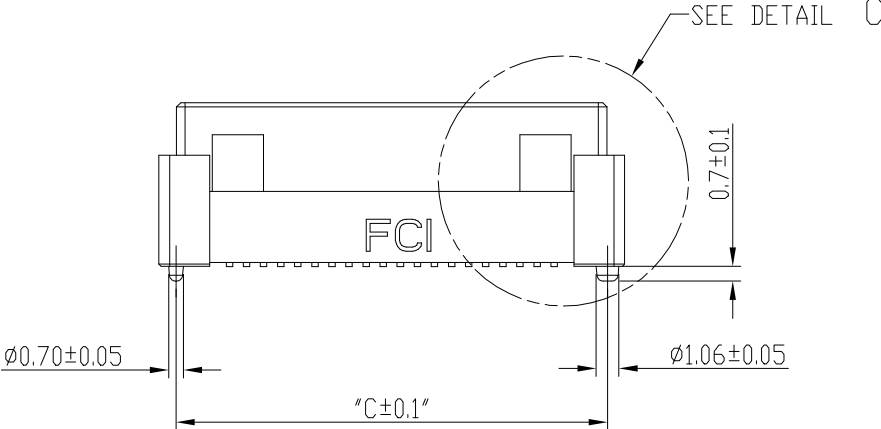
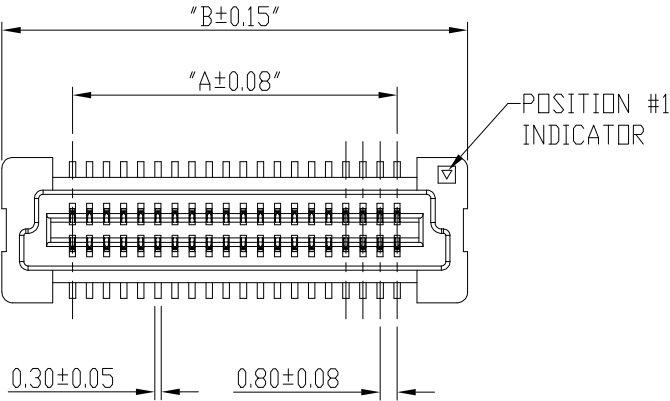
RECOMMENDED PCB LAYOUT WITHOUT PEGS



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X70, 2X80, 2X90, 2X100

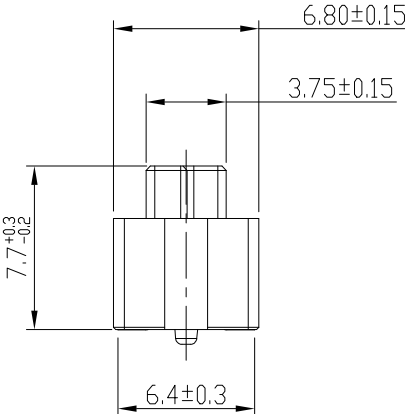
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545				
ltr	ecn no	dr	date	tolerances unless otherwise specified						title RECEPTACLE ASSY BERGSTAK 0.8MM				
F				angles		.0±.2		mm						
				linear		.00±.15								
				X*2*		.000±.10		scale 1:1						
				dr	M. Cheong	08/25/06					dwg no		sheet3 of 6	size
				engr	Bob Gu	11/22/18					10069524		A3	
				chr	LQ Lei	11/22/18								
				appd	Tim Yao	11/22/18								
sheet index		revision		F							type Product Customer Drawing			
	sheet	1~6												

PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10069524-042***	2X20	15.2	21.8	20.2
10069524-062***	2X30	23.2	29.8	28.2
10069524-082***	2X40	31.2	37.8	36.2
10069524-102***	2X50	39.2	45.8	44.2
10069524-122***	2X60	47.2	53.8	52.2
10069524-142***	2X70	55.2	61.8	60.2
10069524-162***	2X80	63.2	69.8	68.2
10069524-182***	2X90	71.2	77.8	76.2
10069524-202***	2X100	79.2	85.8	84.2



COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X100 POS.

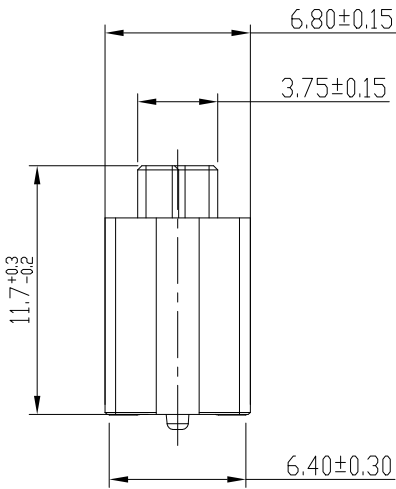
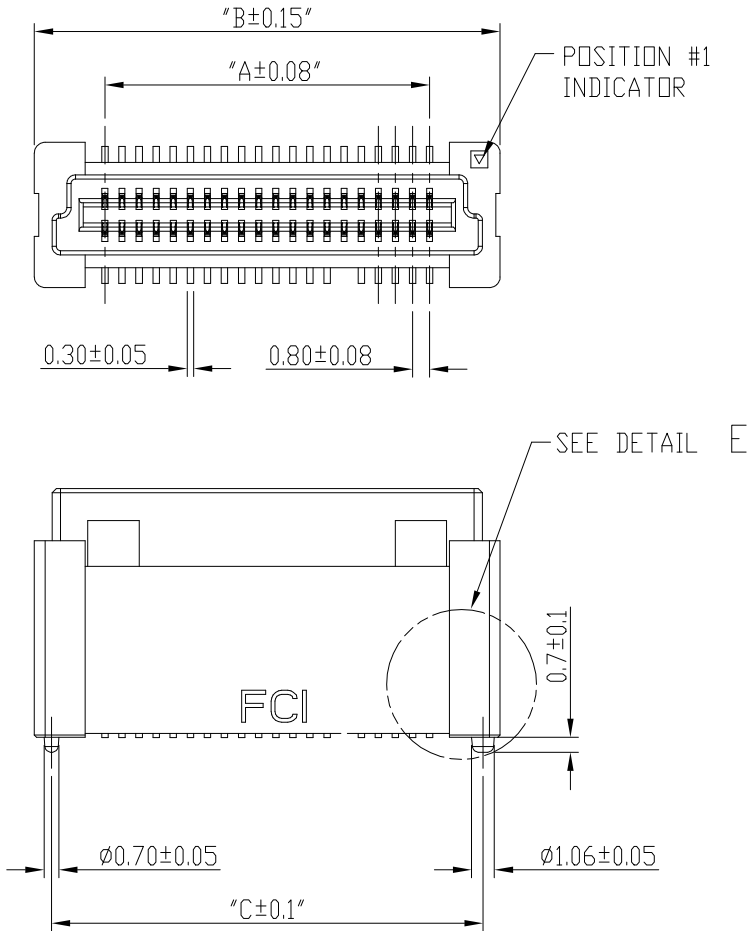
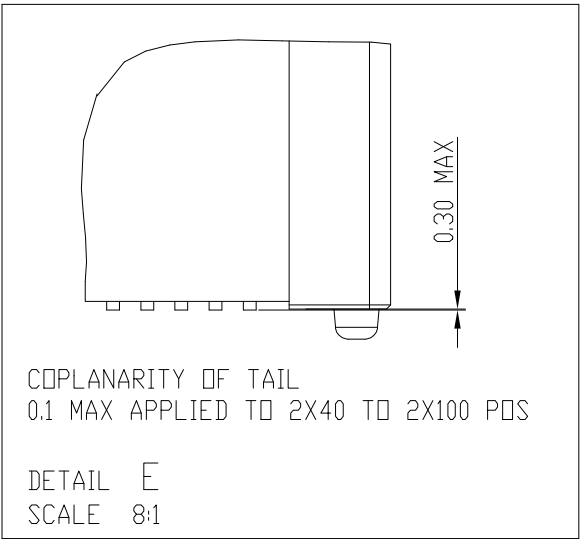
DETAIL C
SCALE 8:1



RECEPTACLE 2

mat'l. code				surface	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family			
ltr				ecn	no	dr	date	tolerances	unless otherwise specified	BERGSTAK HPL545			
F								angles	linear	title			
										RECEPTACLE ASSY			
								X±2'		BERGSTAK 0.8MM			
										dwg no			
								dr	M. Cheong	08/25/06	sheet4 of 6		
								engr	Bob Gu	11/22/18	size		
								chr	LQ Lei	11/22/18	10069524		
								appd	Tim Yao	11/22/18	A3		
											type		
											Product Customer Drawing		
sheet	revision	F											
index	sheet	1~6											

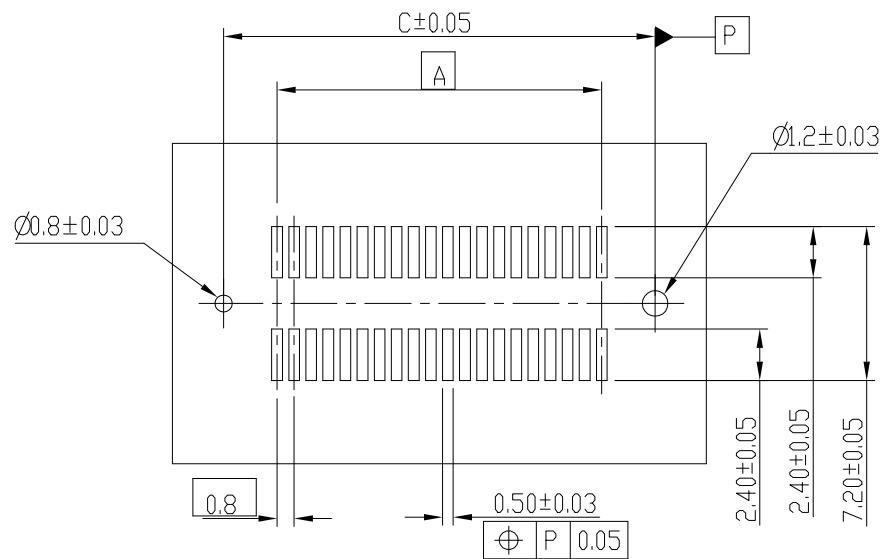
PRODUCT NO.	NUMBER OF POSITIONS	DIMENSION		
		A	B	C
10069524-043***	2X20	15.2	21.8	20.2
10069524-063***	2X30	23.2	29.8	28.2
10069524-083***	2X40	31.2	37.8	36.2
10069524-103***	2X50	39.2	45.8	44.2
10069524-123***	2X60	47.2	53.8	52.2
10069524-143***	2X70	55.2	61.8	60.2
10069524-163***	2X80	63.2	69.8	68.2
10069524-183***	2X90	71.2	77.8	76.2
10069524-203***	2X100	79.2	85.8	84.2



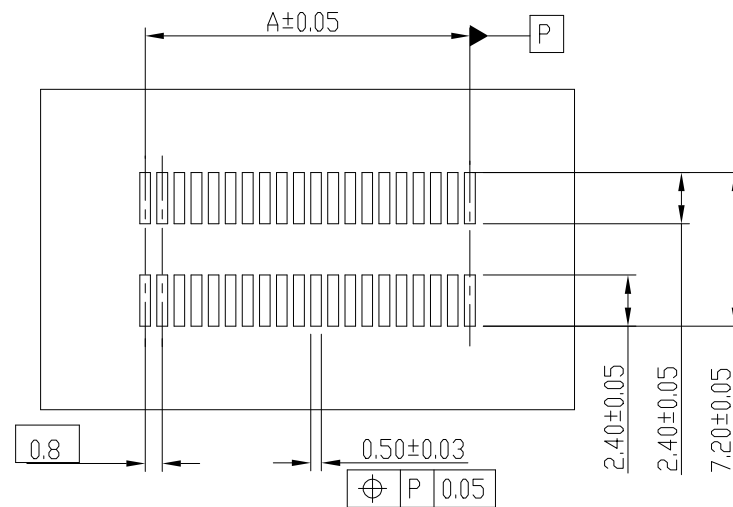
RECEPTACLE 3

mat'l. code					surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 		product family BERGSTAK HPL545				
litr	ecn	no	dr	date	tolerances unless otherwise			specified			title						
F					angles linear			.0±.2					RECEPTACLE ASSY BERGSTAK 0.8MM				
					X'±2'			.00±.15									
								.000±.10			scale 1:1						
					dr	M. Cheong	08/25/06				dwg no						
					engr	Bob Gu	11/22/18						10069524		A3		
					chr	LQ Lei	11/22/18										
					appd	Tim Yao	11/22/18						type Product Customer Drawing				
sheet index		revision		F													
		sheet		1~6													

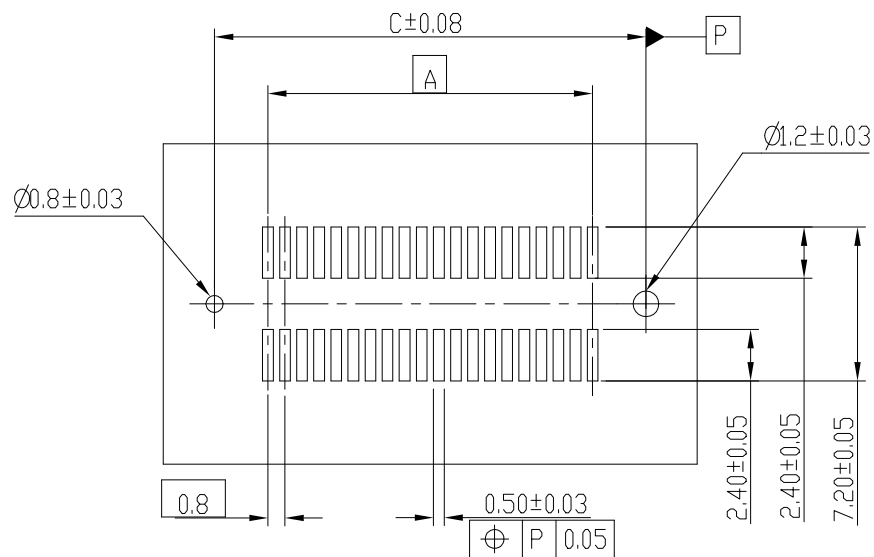
RECEPTACLE 2 & 3



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X20, 2X30, 2X40, 2X50, 2X60



RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



RECOMMENDED PCB LAYOUT WITH PEGS
FOR NO. OF POSITION 2X70, 2X80, 2X90, 2X100

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
F				angles		.0±.2				RECEPTACLE ASSY
				linear		.00±.15			mm	BERGSTAK 0.8MM
				X'±2'		.000±.10			scale 1:1	
				dr	M. Cheong	08/25/06				dwg no
				enr	Bob Gu	11/22/18				sheet 6 of 6
				chr	LQ Lei	11/22/18				size
				appd	Tim Yao	11/22/18				A3
sheet index	revision	F								type
	sheet	1~6								Product Customer Drawing