

10069525-AA B C D E V FF

AA	NO. OF POSITIONS
04	2X20
06	2X30
08	2X40
10	2X50
12	2X60
14	2X70
16	2X80
18	2X90
20	2X100

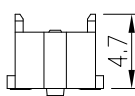
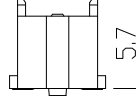
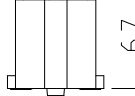
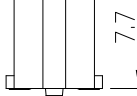
D	PEG
0	YES
2	NO

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

NOTE 10

NOTE 10

V	MANDATORY CODE
/	STANDARD, NOT MANDATORY P/N
H	ONLY FOR DEDICATED CUSTOMER

B			
1	2	3	4
			
FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 61082			

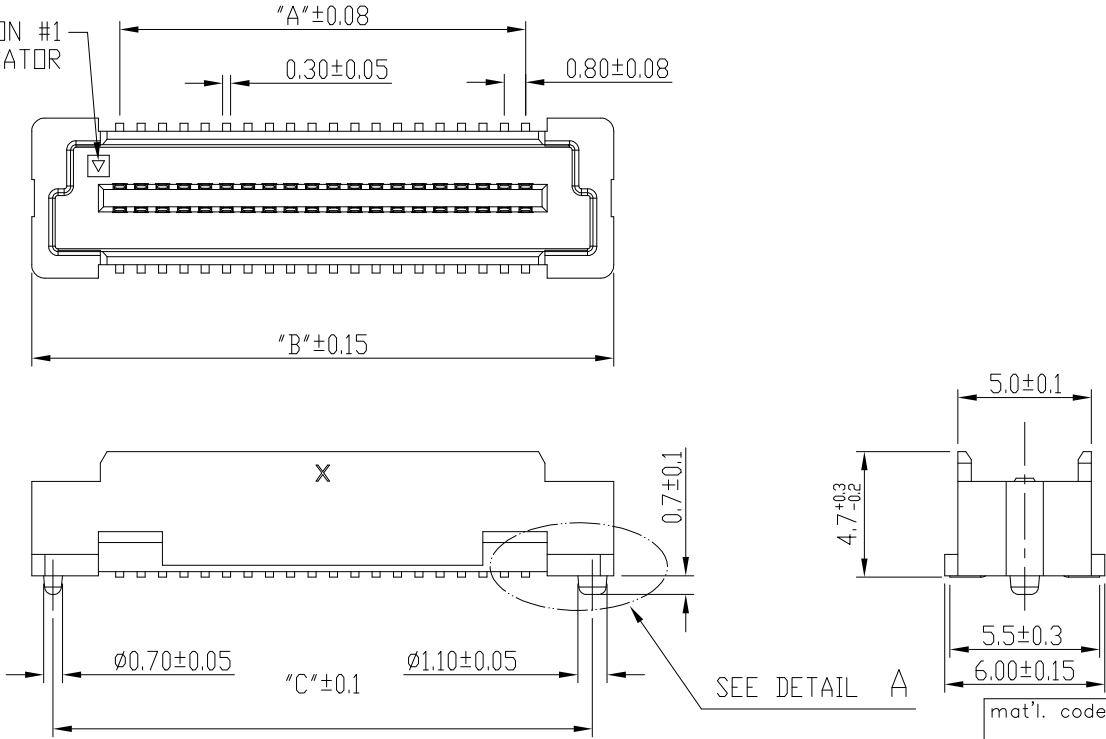
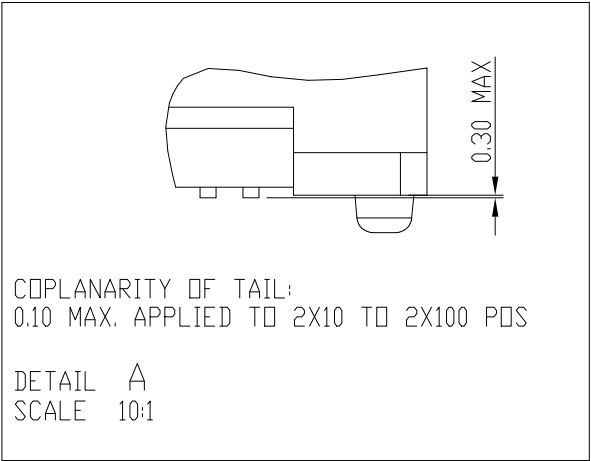
NOTE:

- MATERIAL:  
HOUSING: G.F. LCP, NATURAL, UL94-V0  
TERMINAL: BRASS
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-148 FOR PRODUCT SPEC.
- SEE GS-14-551 AND GS-14-816 FOR PACKING SPECIFICATION.
- 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°C 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".
- THIS PARTNUMBER IS ONLY CATER FOR SPECIAL CUSTOMER, REQUIREMENTS OF COPLANARITY OF 0.1 FOR ALL POSITION.
- A△SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT DRAWING REVISION.

C	PLATING	FF
0	GOLD 0.2um MIN. ON CONTACT AREA ; TIN LEAD 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um MIN	NONE
1	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA ; TIN LEAD 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um.	NONE
4	GOLD 0.2um MIN ON CONTACT AREA ; PURE MATT TIN 2.5um MIN ON SOLDER TAIL; NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	LF
5	GOLD 0.38um MIN ON CONTACT AREA ; MATT PURE TIN 2.5um MIN ON SOLDER TAIL; NICKEL UNDERPLATE OVERALL 1.27um MIN (LEADFREE PLATING)	LF
6	GOLD FLASH (0.065um MIN) OVER PALLADIUM-NICKEL 0.69um MIN ON CONTACT AREA ; PURE MATT TIN 2.5um MIN ON SOLDER TAIL NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)	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	linear	mm	title
A	S06-0286	MCH	2016-08-25	angles	.0±.2		PLUG ASSY
B	S06-0316	MCH	2006-09-25		.00±.15		BERGSTAK 0.8MM
C	S09-0216	MCH	2009-06-26	0'±3'	.000±.10	scale 1:1	
D	S10-0069	MCH	2010-03-26	dr	GuoMin Sun	10/21/14	dwg no
E	ELX-N-26381	Bob	2018-11-22	engr	Bob Gu	11/22/18	sheet 1 of 6
				chr	LQ Lei	11/22/18	size
				appd	Tim Yao	11/22/18	A3
sheet	revision	A	B	C	D	E	type
index	sheet	1~6	1~6	1~6	1~6		Product Customer Drawing

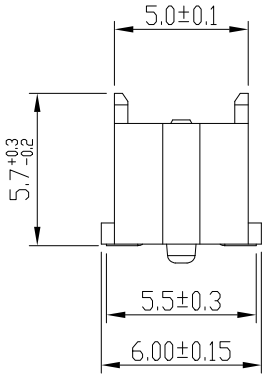
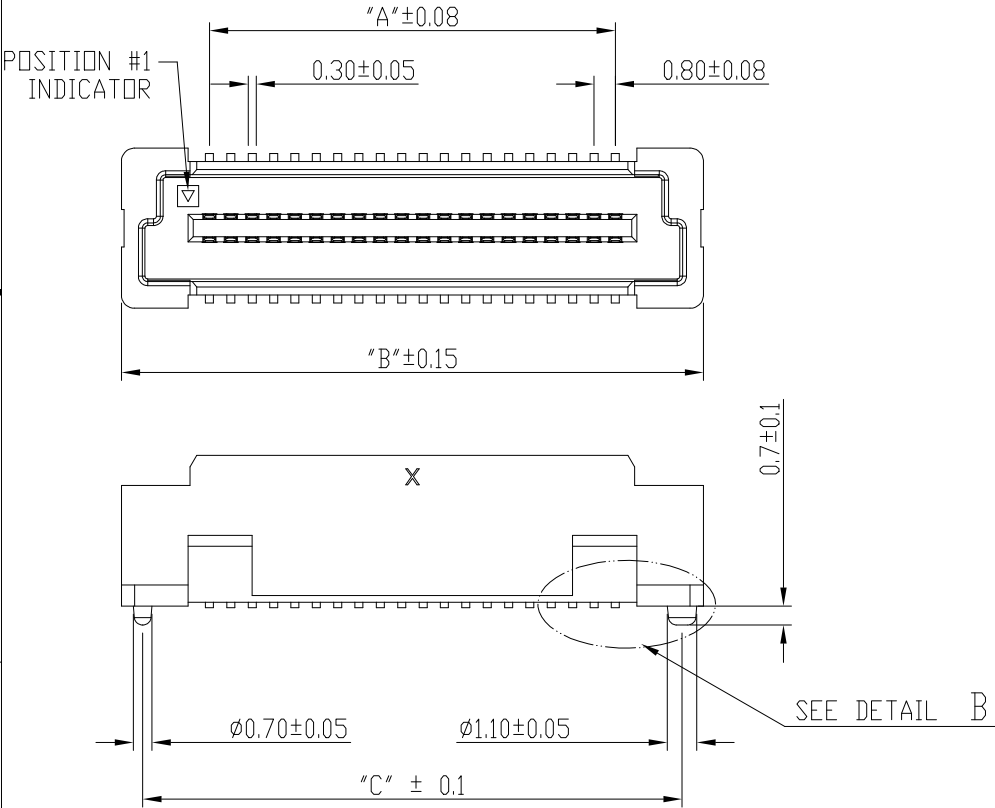
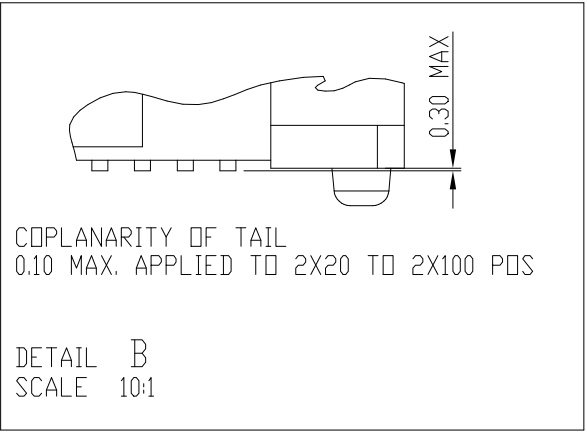
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10069525-041***	2X20	15.2	21.8	20.2
10069525-061***	2X30	23.2	29.8	28.2
10069525-081***	2X40	31.2	37.8	36.2
10069525-101***	2X50	39.2	45.8	44.2
10069525-121***	2X60	47.2	53.8	52.2
10069525-141***	2X70	55.2	61.8	60.2
10069525-161***	2X80	63.2	69.8	68.2
10069525-181***	2X90	71.2	77.8	76.2
10069525-201***	2X100	79.2	85.8	84.2





PLUG 1

mat'l. code				surface	ISO 1302	✓	tolerance	ISO 406	ISO 1101	projection	product family
litr				ecn	no	dr	date	tolerances unless otherwise specified	mm	mm	BERGSTAK HPL545
E								angles	linear	linear	title
								0°±3°		scale 1:1	PLUG ASSY
											BERGSTAK 0.8MM
								dr	GuoMin Sun	10/21/14	dwg no
								engr	Bob Gu	11/22/18	sheet2 of 6
								chr	LQ Lei	11/22/18	size
								appd	Tim Yao	11/22/18	A3
sheet index				revision	E						type
				sheet	1~6						Product Customer Drawing

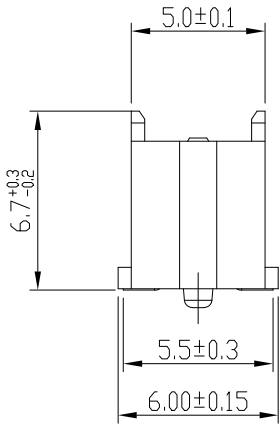
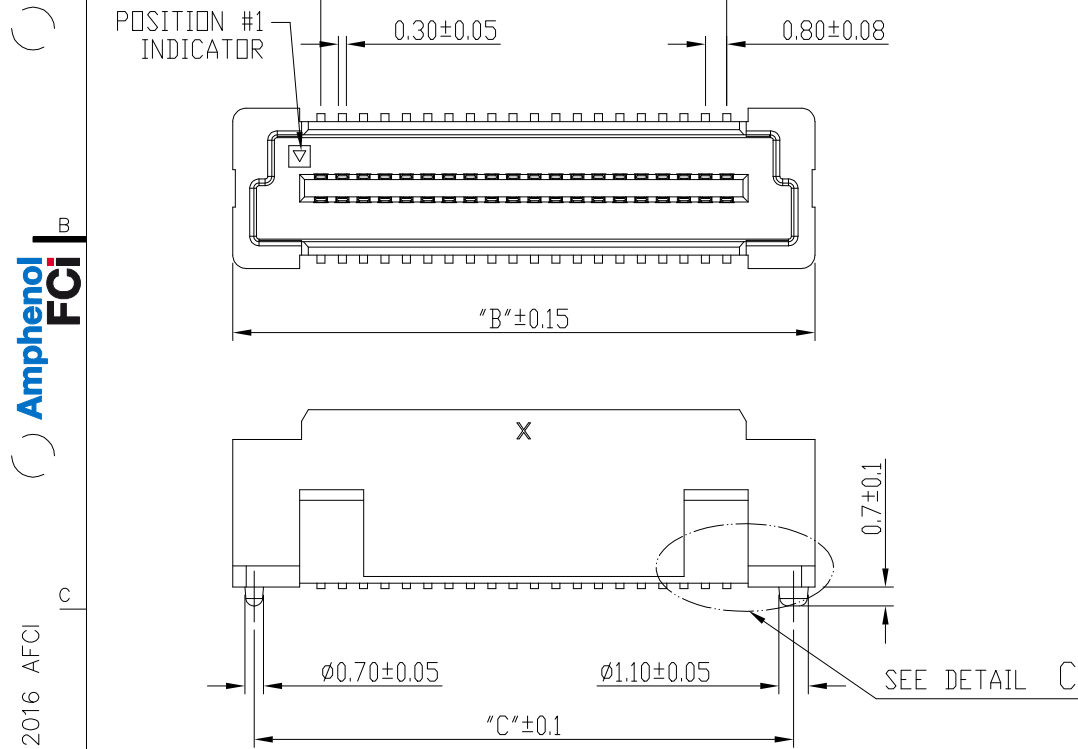
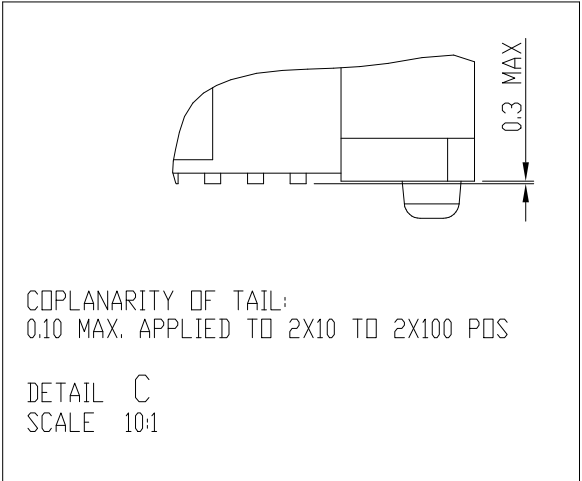
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10069525-042***	2X20	15.2	21.8	20.2
10069525-062***	2X30	23.2	29.8	28.2
10069525-082***	2X40	31.2	37.8	36.2
10069525-102***	2X50	39.2	45.8	44.2
10069525-122***	2X60	47.2	53.8	52.2
10069525-142***	2X70	55.2	61.8	60.2
10069525-162***	2X80	63.2	69.8	68.2
10069525-182***	2X90	71.2	77.8	76.2
10069525-202***	2X100	79.2	85.8	84.2



PLUG 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			
E								angles	linear	.0±.2		mm		title			
								0°±3°		.00±.15				PLUG ASSY			
										.000±.10		scale 1:1		BERGSTAK 0.8MM			
						dr	GuoMin	Sun	10/21/14				dwg no		sheet3 of 6	size	
						engr	Bob	Gu	11/22/18				10069525		A3		
						chr	LQ	Lei	11/22/18				type Product Customer Drawing				
						appd	Tim	Yao	11/22/18								
sheet index		revision		E													
		sheet		1~6													

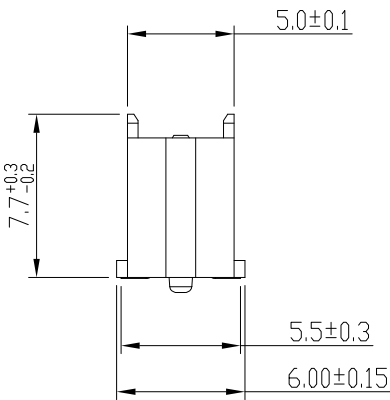
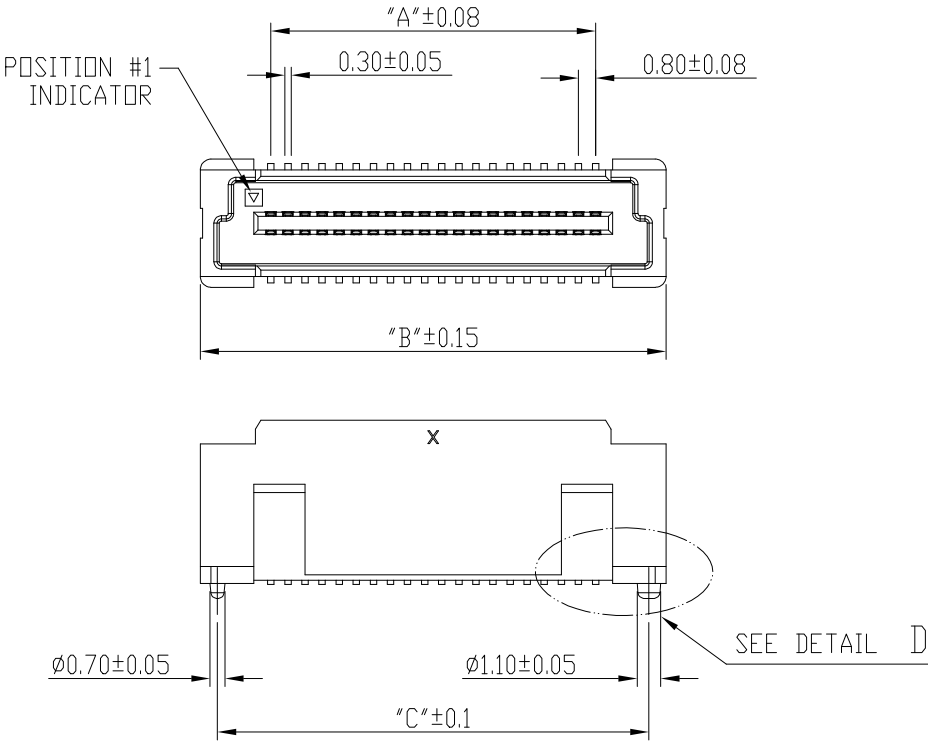
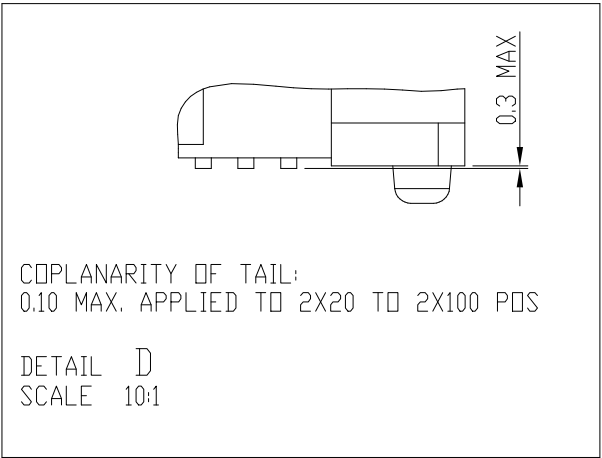
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10069525-043***	2X20	15.2	21.8	20.2
10069525-063***	2X30	23.2	29.8	28.2
10069525-083***	2X40	31.2	37.8	36.2
10069525-103***	2X50	39.2	45.8	44.2
10069525-123***	2X60	47.2	53.8	52.2
10069525-143***	2X70	55.2	61.8	60.2
10069525-163***	2X80	63.2	69.8	68.2
10069525-183***	2X90	71.2	77.8	76.2
10069525-203***	2X100	79.2	85.8	84.2



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	linear	title PLUG ASSY BERGSTAK 0.8MM			
E					angles 0°±3'	mm	dwg no 10069525			
					linear	scale 1:1	sheet4 of 6 size A3			
					dr	GuoMin Sun 10/21/14	type Product Customer Drawing			
					engr	Bob Gu 11/22/18				
					chr	LQ Lei 11/22/18				
					appd	Tim Yao 11/22/18				
sheet index	revision sheet	E 1~6								

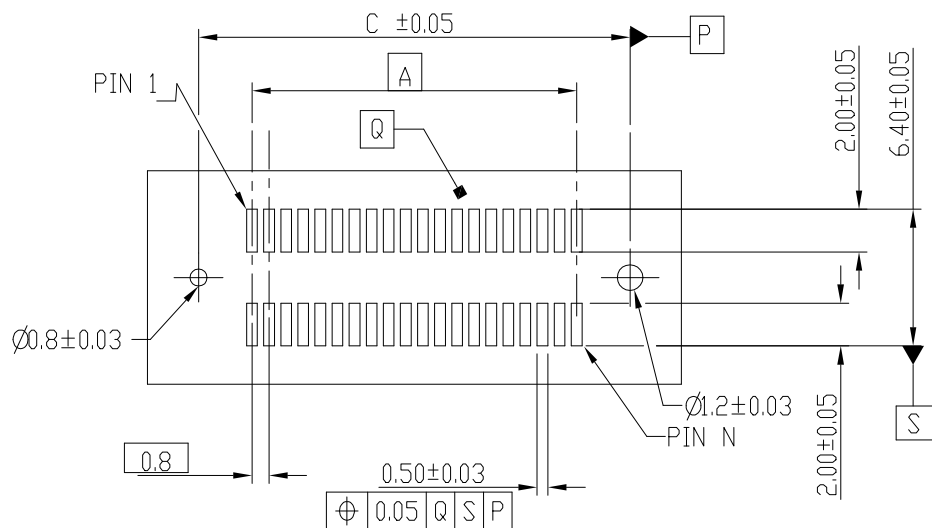
PRODUCT NO.	NO. OF POSITION	DIMENSION		
		A	B	C
10069525-044***	2X20	15.2	21.8	20.2
10069525-064***	2X30	23.2	29.8	28.2
10069525-084***	2X40	31.2	37.8	36.2
10069525-104***	2X50	39.2	45.8	44.2
10069525-124***	2X60	47.2	53.8	52.2
10069525-144***	2X70	55.2	61.8	60.2
10069525-164***	2X80	63.2	69.8	68.2
10069525-184***	2X90	71.2	77.8	76.2
10069525-204***	2X100	79.2	85.8	84.2



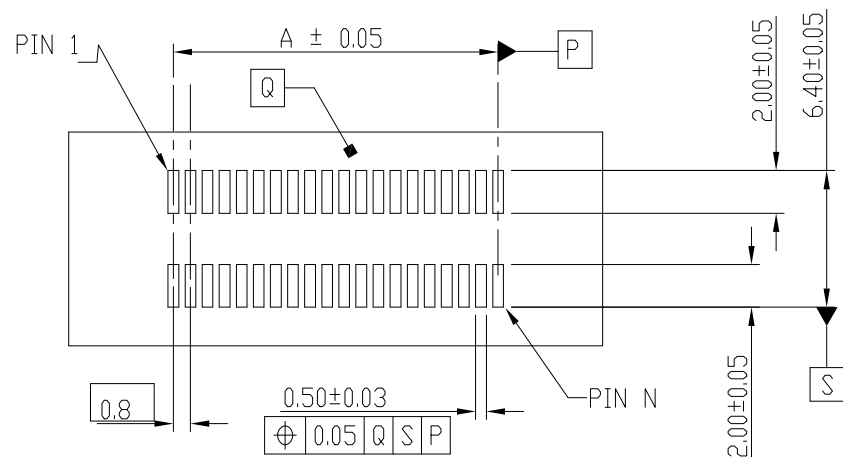
PLUG 4

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family BERGSTAK HPL545
ltr	ecn no	dr	date	tolerances unless otherwise specified	linear	mm	title PLUG ASSY BERGSTAK 0.8MM
E				angles 0°±3°	.0±.2 .00±.15 .000±.10	scale 1:1	dwg no 10069525
				dr GuoMin Sun	10/21/14	Amphenol FCI	sheet5 of 6
				engr Bob Gu	11/22/18		size A3
				chr LQ Lei	11/22/18		
				appd Tim Yao	11/22/18		
sheet index	revision sheet	E 1~6					type Product Customer Drawing

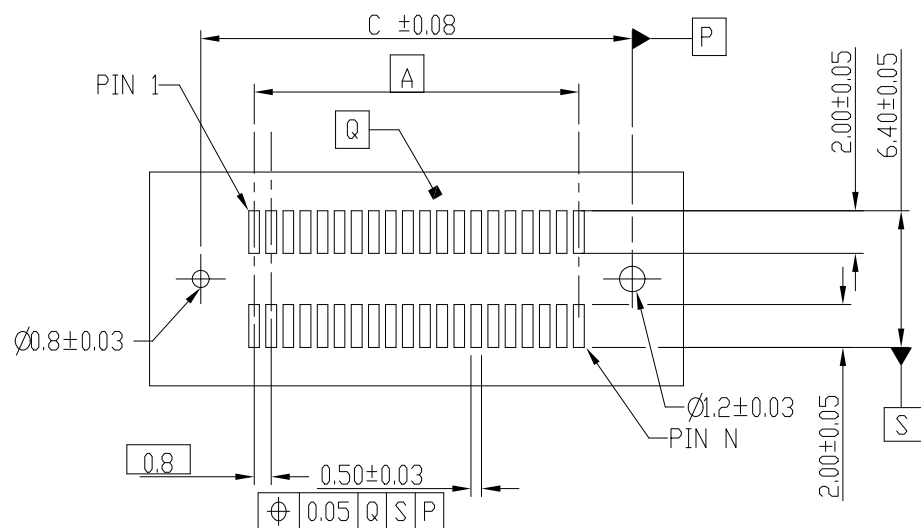
FOR PLUG 1/2/3/4



RECOMMENDED PCB LAYOUT WITH PEG FOR  
NO. OF PDS 2X10, 2X20, 2X30, 2X40, 2X50 2X60



RECOMMENDED PCB LAYOUT WITHOUT PEG 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 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTAK HPL545			
ltr	ecn no	dr	date	tolerances unless otherwise specified				title					
E				angles		.0±.2		 mm		PLUG ASSY BERGSTAK 0.8MM			
				linear		.00±.15							
				0°±3°		.00±.10		scale 1:1					
				dr	GuoMin Sun		10/21/14		dwg no		sheet6 of 6		size
				engr	Bob Gu		11/22/18				10069525		A3
				chr	LQ Lei		11/22/18						
				appd	Tim Yao		11/22/18						
sheet index		revision		E						type Product Customer Drawing			
	sheet	1~6											