

61082-AA B C D E 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. 61083 |        |        |        |
|-----------------------------|------------------------------|--------|--------|--------|
| COMBINATION OF MATED HEIGHT | Plug 1                       | Plug 2 | Plug 3 | Plug 4 |
| Recep 1                     |                              |        |        |        |
| Recep 2                     |                              |        |        |        |
| Recep 3                     |                              |        |        |        |

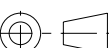
| E | PACKAGING                                |
|---|------------------------------------------|
| 0 | TUBE WITHOUT METAL CAP                   |
| 2 | T&R WITH METAL CAP                       |
| 9 | TUBE WITH METAL CAP                      |
| 6 | T&R WITHOUT METAL CAP (WITH KAPTON TAPE) |

| D | POLARIZATION PEG | HOLD DOWN |
|---|------------------|-----------|
| 0 | YES              | NO        |
| 2 | NO               | NO        |

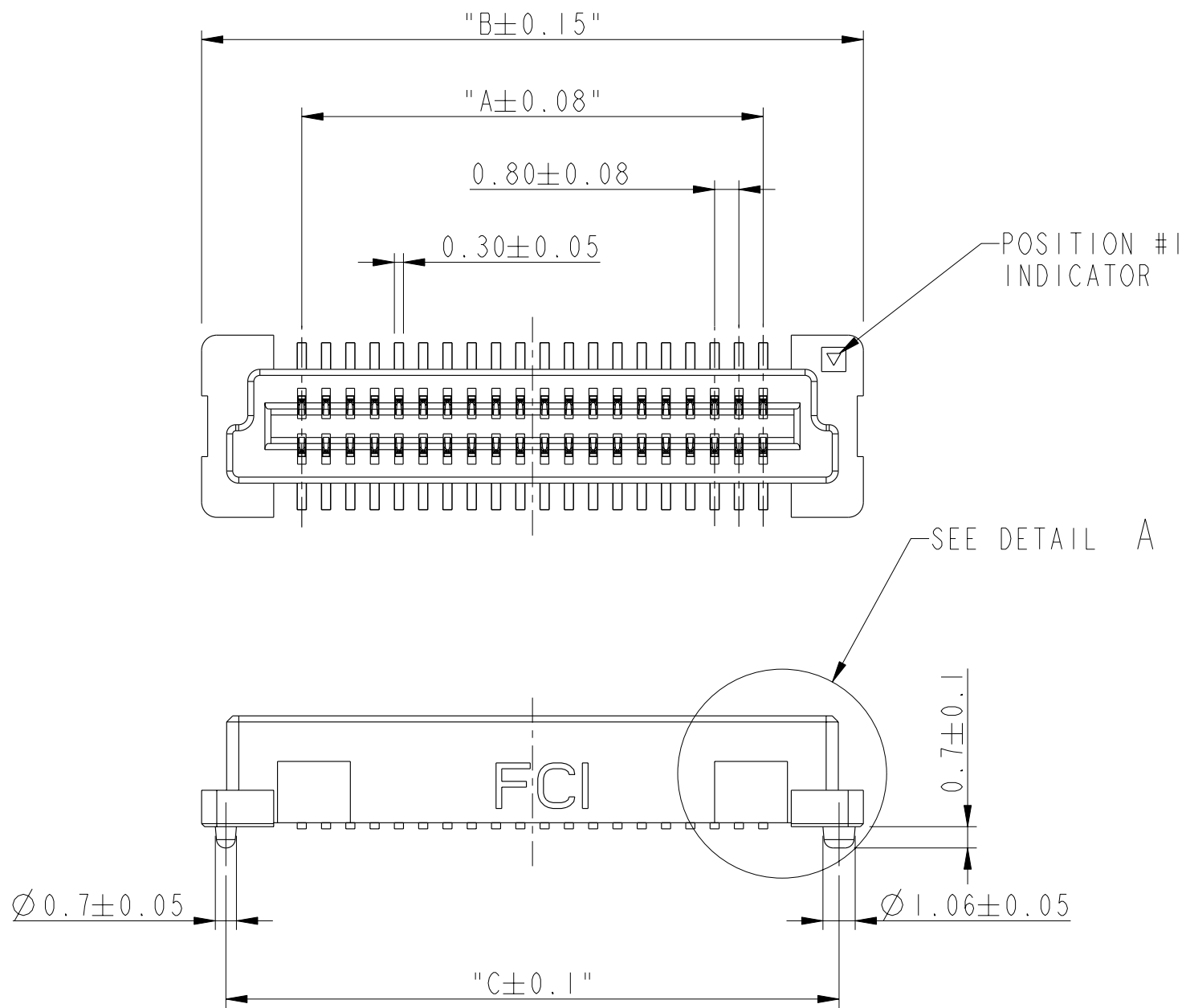
| C | PLATING ON CONTACT AREA                                                                                                           | FF   |
|---|-----------------------------------------------------------------------------------------------------------------------------------|------|
| 0 | GOLD 0.2um MIN / TIN LEAD<br>NICKEL UNDERPLATE OVERALL 1.27um MIN                                                                 | NONE |
| 1 | GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL<br>0.76um MIN / TIN LEAD<br>NICKEL UNDERPLATE OVERALL 1.27um MIN                     | NONE |
| 4 | GOLD 0.2um MIN / PURE TIN 2um MIN (LEAD FREE)<br>NICKEL UNDERPLATE OVERALL 1.27um MIN                                             | LF   |
| 5 | GOLD 0.38um MIN / PURE TIN 2um MIN (LEAD FREE)<br>NICKEL UNDERPLATE OVERALL 1.27um MIN                                            | LF   |
| 6 | GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL<br>0.76um MIN / PURE TIN 2um MIN (LEAD FREE)<br>NICKEL UNDERPLATE OVERALL 1.27um MIN | LF   |

- NOTES:
- MATERIAL  
HOUSING: LCP UL 94V-0  
TERMINAL: BERYLLIUM COPPER
  - PLATING  
AS SHOWN IN TABLE.
  - SEE GS-12-547 FOR PRODUCT SPEC.
  - SEE GS-15-551 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 WITHSTAND 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".
  - HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS, ALL HEIGHTS. PLS REFER TO PRINT 10069524.
  - A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| W   | S07-0166 | MCH | 2007-05-16 |
| X   | S07-0416 | MCH | 2007-11-22 |
| Y   | S08-0330 | MCH | 2008-10-08 |
| AA  | S09-0311 | MCH | 2009-10-06 |
| T   | S04-0133 | MW  | 2004-06-23 |
| U   | S04-0167 | CH  | 2004-07-30 |
| V   | S04-0098 | CH  | 2005-03-31 |

|                                                                                       |           |            |                                            |        |                                                                                                                              |       |                                                                                                     |               |                                                                                             |              |
|---------------------------------------------------------------------------------------|-----------|------------|--------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------|--------------|
| www.fciconnect.com                                                                    |           |            | surface<br>ISO 1302                        |        | - <br>tolerance std<br>ISO 406 ISO 1101 |       | projection<br> |               | MM<br> |              |
|                                                                                       |           |            | TOLERANCES UNLESS OTHERWISE SPECIFIED      |        |                                                                                                                              |       |                                                                                                     |               |                                                                                             |              |
| Dr                                                                                    | M. Cheong | 2009-06-01 | ANGULAR                                    | LINEAR | 0.X                                                                                                                          | ±0.20 | size<br>A3                                                                                          | Scale<br>17:1 |                                                                                             |              |
| Eng                                                                                   | M. Cheong | 2009-06-01 |                                            |        | 0.XX                                                                                                                         | ±0.15 |                                                                                                     |               |                                                                                             |              |
| Chr                                                                                   | M. Cheong | 2009-06-01 |                                            |        | 0° ±2°                                                                                                                       | 0.XXX |                                                                                                     | ±0.10         | ECN                                                                                         | S09-0311     |
| Appr                                                                                  | Joey Ng   | 2009-10-06 | Product family                             |        |                                                                                                                              |       | BERGSTAK                                                                                            | Spec ref      |                                                                                             |              |
|  |           |            | title<br>BERGSTAK 0.8MM<br>RECEPTACLE ASSY |        |                                                                                                                              |       | dwg no<br>61082                                                                                     |               |                                                                                             | Rev.<br>AA   |
|                                                                                       |           |            | catalog no                                 |        |                                                                                                                              |       | -                                                                                                   | CUSTOMER      |                                                                                             | sheet 1 of 6 |

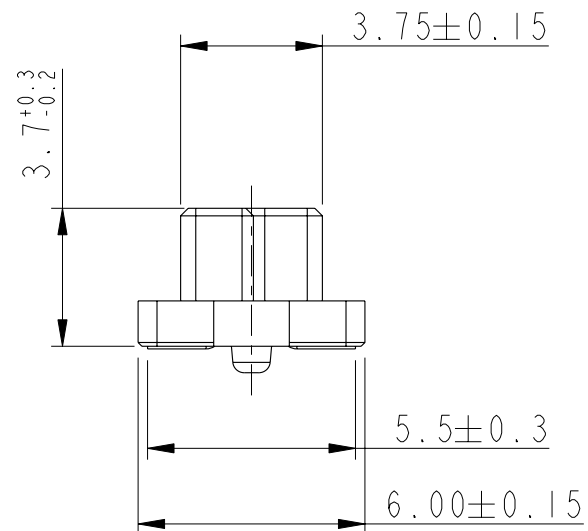
| PRODUCT NO.  | NUMBER OF POSITIONS | DIMENSION |      |      |
|--------------|---------------------|-----------|------|------|
|              |                     | A         | B    | C    |
| 61082-041*** | 2X20                | 15.2      | 21.8 | 20.2 |
| 61082-061*** | 2X30                | 23.2      | 29.8 | 28.2 |
| 61082-081*** | 2X40                | 31.2      | 37.8 | 36.2 |
| 61082-101*** | 2X50                | 39.2      | 45.8 | 44.2 |
| 61082-121*** | 2X60                | 47.2      | 53.8 | 52.2 |
| 61082-141*** | 2X70                | 55.2      | 61.8 | 60.2 |
| 61082-161*** | 2X80                | 63.2      | 69.8 | 68.2 |
| 61082-181*** | 2X90                | 71.2      | 77.8 | 76.2 |
| 61082-201*** | 2X100               | 79.2      | 85.8 | 84.2 |



COPLANARITY OF TAIL:  
0.1 MAX. APPLIED TO 2X20 TO 2X70 POS.  
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE  
FOR 2X80 TO 2X100 POS.  
PLS REFER TO PRINT 10069524.

DETAIL A  
SCALE 10:1



RECEPTACLE 1



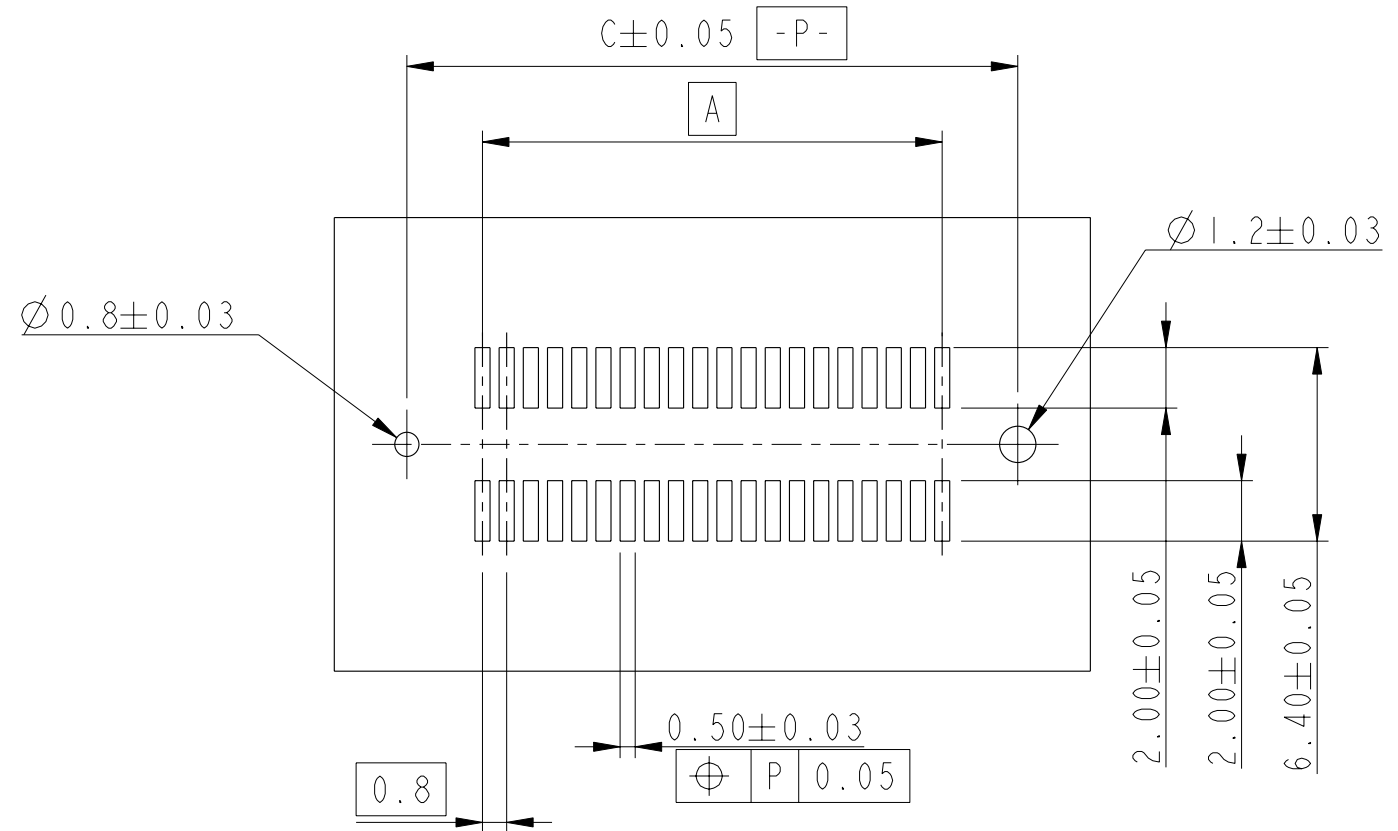
title BERGSTAK 0.8MM  
RECEPTACLE ASSY  
catalog no -

dwg no 61082

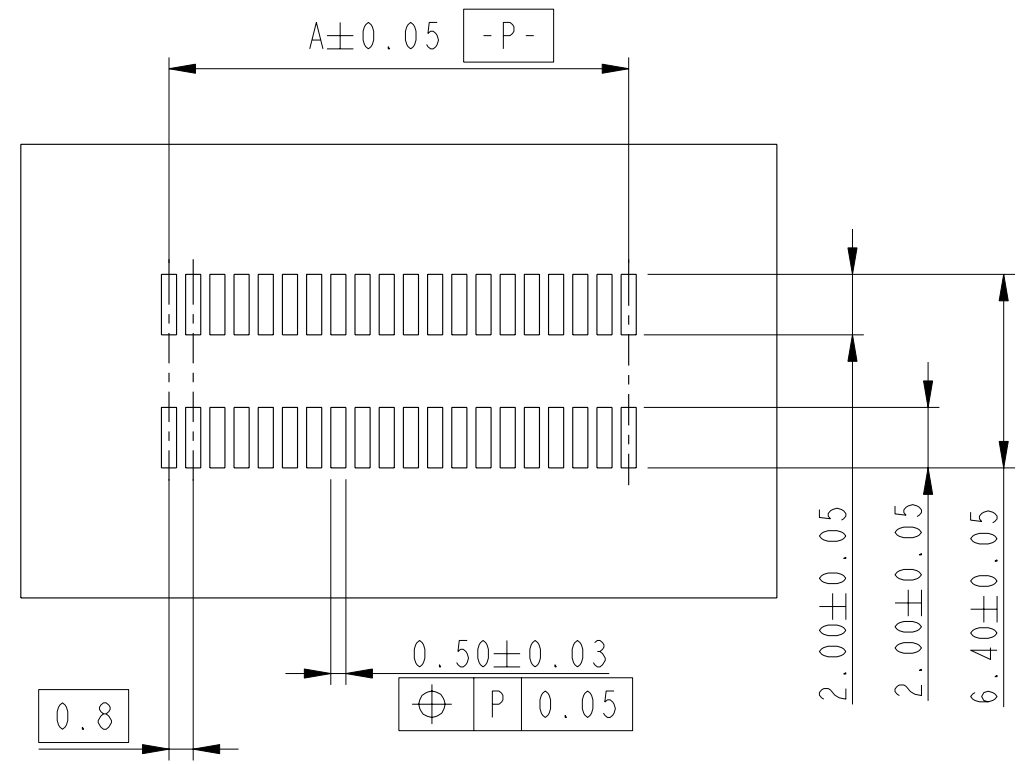
Rev.  
AA

CUSTOMER sheet 2 of 6

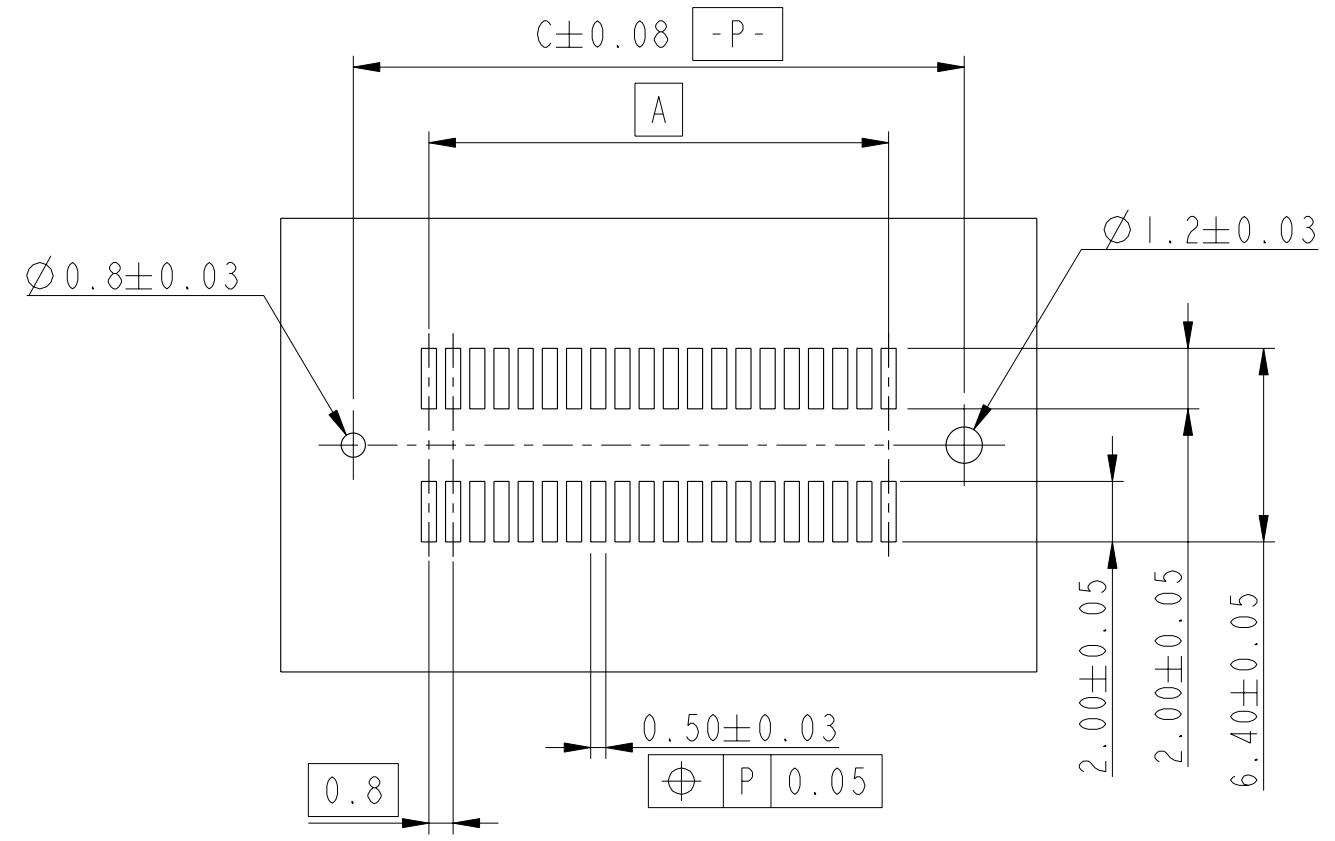
# RECEPTACLE I



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



RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



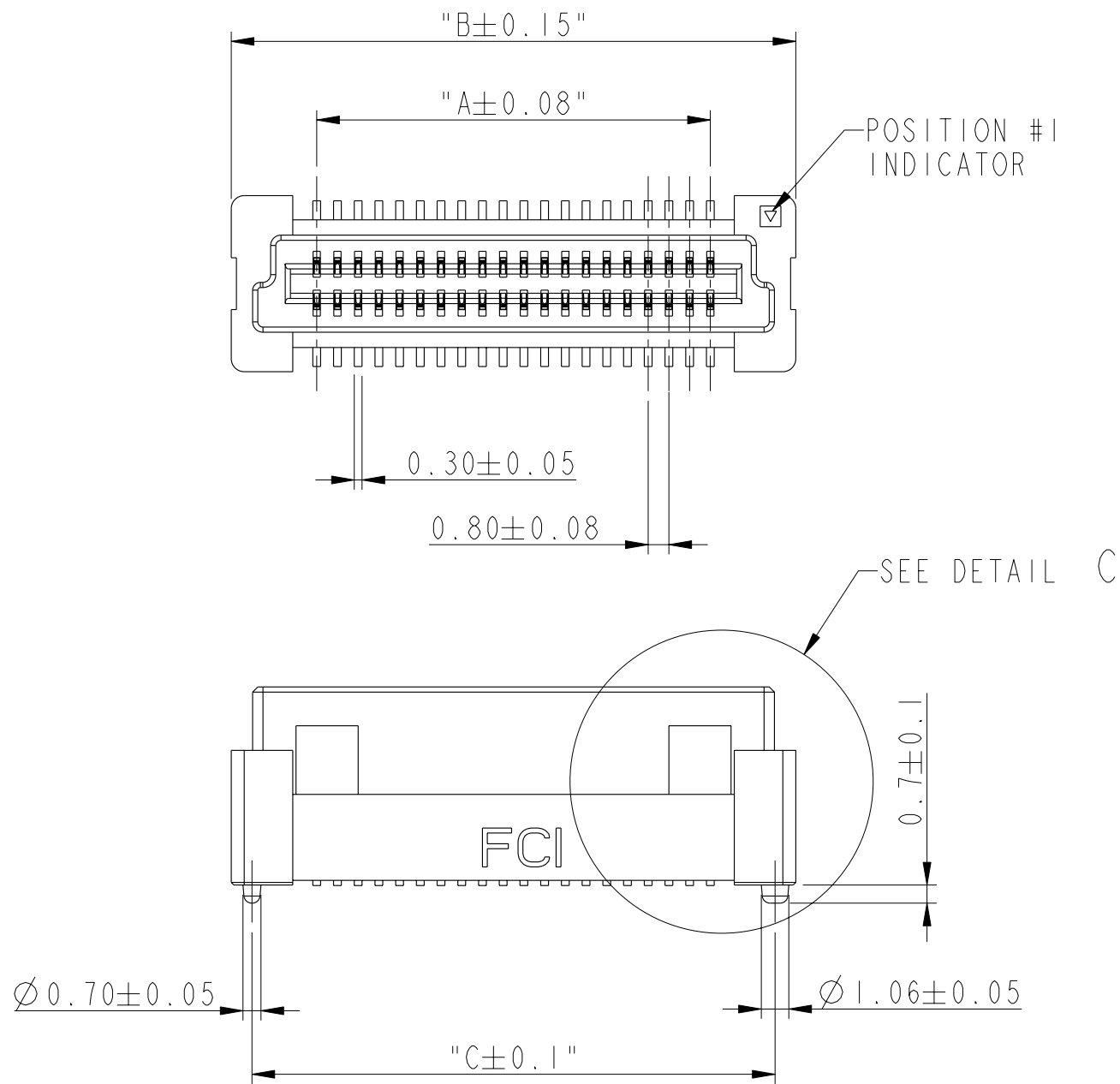
RECOMMENDED PCB LAYOUT WITH PEGS  
FOR NO. OF POSITION 2X70, 2X80, 2X90, 2X100



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|  |                                            |                 |              |
|--|--------------------------------------------|-----------------|--------------|
|  | title<br>BERGSTAK 0.8MM<br>RECEPTACLE ASSY | dwg no<br>61082 | Rev.<br>AA   |
|  | catalog no<br>-                            | CUSTOMER        | sheet 3 of 6 |

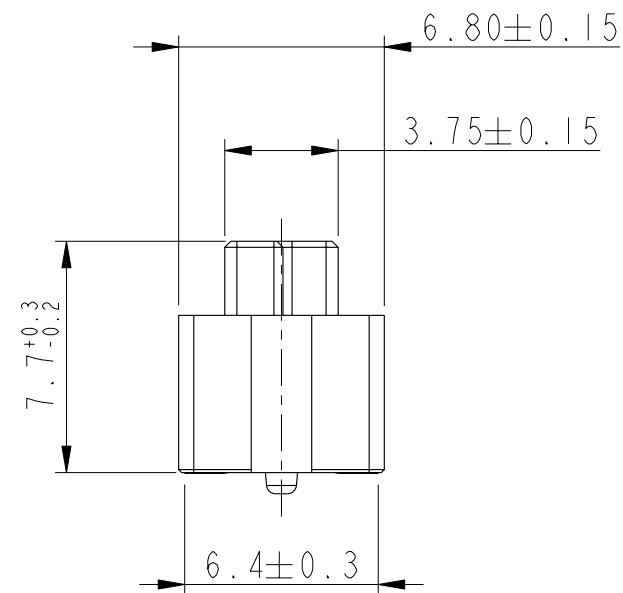
| PRODUCT NO.  | NUMBER OF POSITIONS | DIMENSION |      |      |
|--------------|---------------------|-----------|------|------|
|              |                     | A         | B    | C    |
| 61082-042*** | 2X20                | 15.2      | 21.8 | 20.2 |
| 61082-062*** | 2X30                | 23.2      | 29.8 | 28.2 |
| 61082-082*** | 2X40                | 31.2      | 37.8 | 36.2 |
| 61082-102*** | 2X50                | 39.2      | 45.8 | 44.2 |
| 61082-122*** | 2X60                | 47.2      | 53.8 | 52.2 |
| 61082-142*** | 2X70                | 55.2      | 61.8 | 60.2 |
| 61082-162*** | 2X80                | 63.2      | 69.8 | 68.2 |
| 61082-182*** | 2X90                | 71.2      | 77.8 | 76.2 |
| 61082-202*** | 2X100               | 79.2      | 85.8 | 84.2 |



COPLANARITY OF TAIL  
0.1 MAX APPLIED TO 2X20 TO 2X70 POS.  
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

HIGH PRECISION COPLANARITY IS AVAILABLE  
FOR 2X80 TO 2X100 POS.  
PLS REFER TO PRINT 10069524.

DETAIL C  
SCALE 8:1



RECEPTACLE 2



title BERGSTAK 0.8MM  
RECEPTACLE ASSY  
catalog no -

dwg no

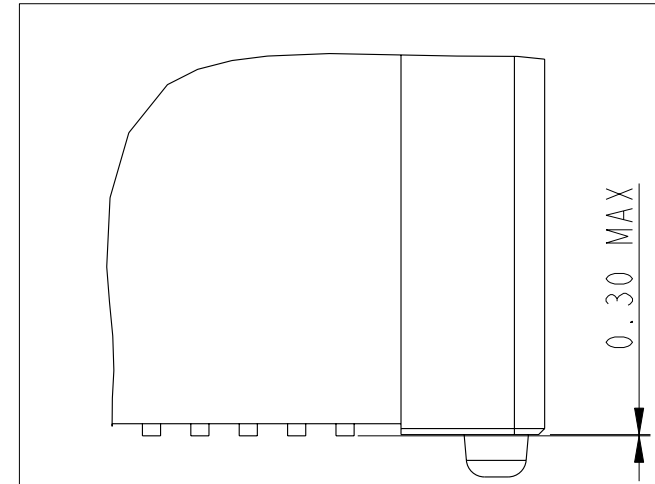
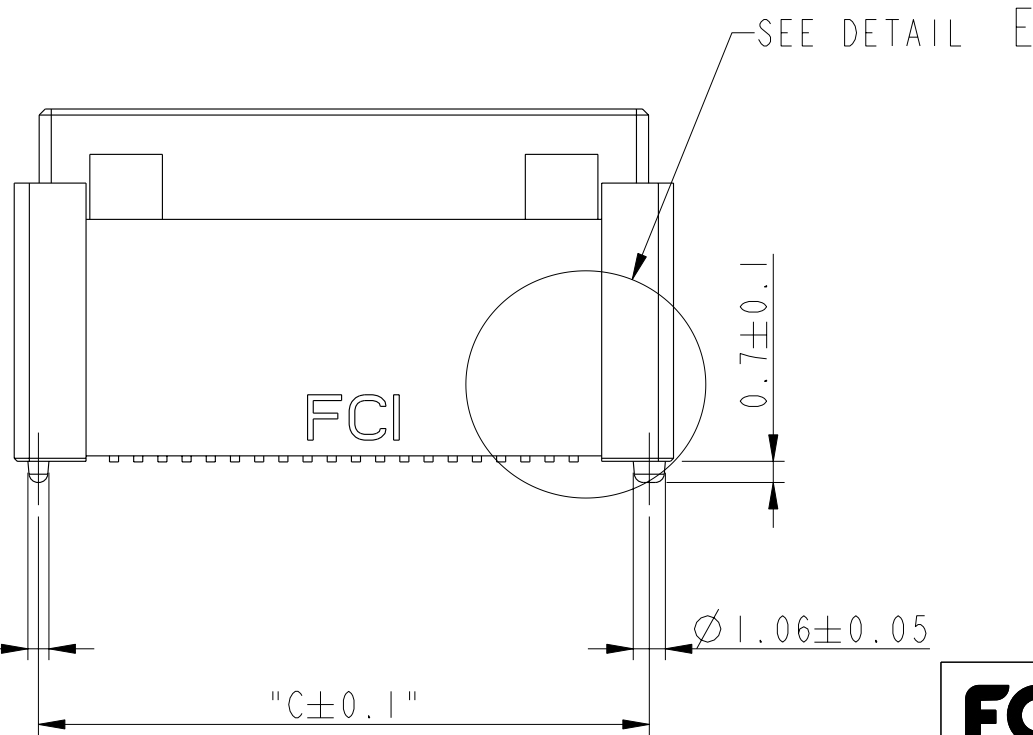
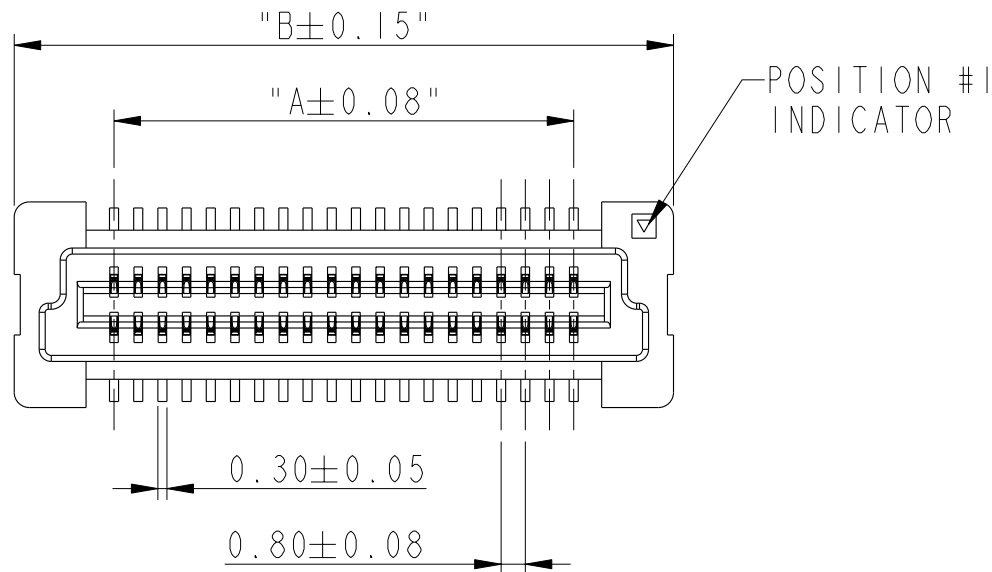
61082

Rev.  
AA

CUSTOMER

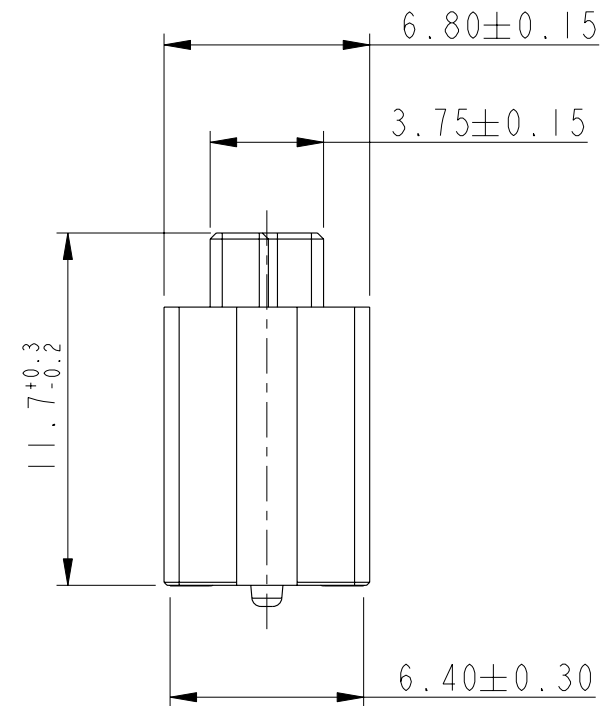
sheet 4 of 6

| PRODUCT NO.  | NUMBER OF POSITIONS | DIMENSION |      |      |
|--------------|---------------------|-----------|------|------|
|              |                     | A         | B    | C    |
| 61082-043*** | 2X20                | 15.2      | 21.8 | 20.2 |
| 61082-063*** | 2X30                | 23.2      | 29.8 | 28.2 |
| 61082-083*** | 2X40                | 31.2      | 37.8 | 36.2 |
| 61082-103*** | 2X50                | 39.2      | 45.8 | 44.2 |
| 61082-123*** | 2X60                | 47.2      | 53.8 | 52.2 |
| 61082-143*** | 2X70                | 55.2      | 61.8 | 60.2 |
| 61082-163*** | 2X80                | 63.2      | 69.8 | 68.2 |
| 61082-183*** | 2X90                | 71.2      | 77.8 | 76.2 |
| 61082-203*** | 2X100               | 79.2      | 85.8 | 84.2 |



COPLANARITY OF TAIL  
0.1 MAX APPLIED TO 2X20 TO 2X70 POS  
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.  
HIGH PRECISION COPLANARITY IS AVAILABLE  
FOR 2X80 TO 2X100 POS.  
PLS REFER TO PRINT 10069524.

DETAIL E  
SCALE 8:1



RECEPTACLE 3



title BERGSTAK 0.8MM  
RECEPTACLE ASSY  
catalog no -

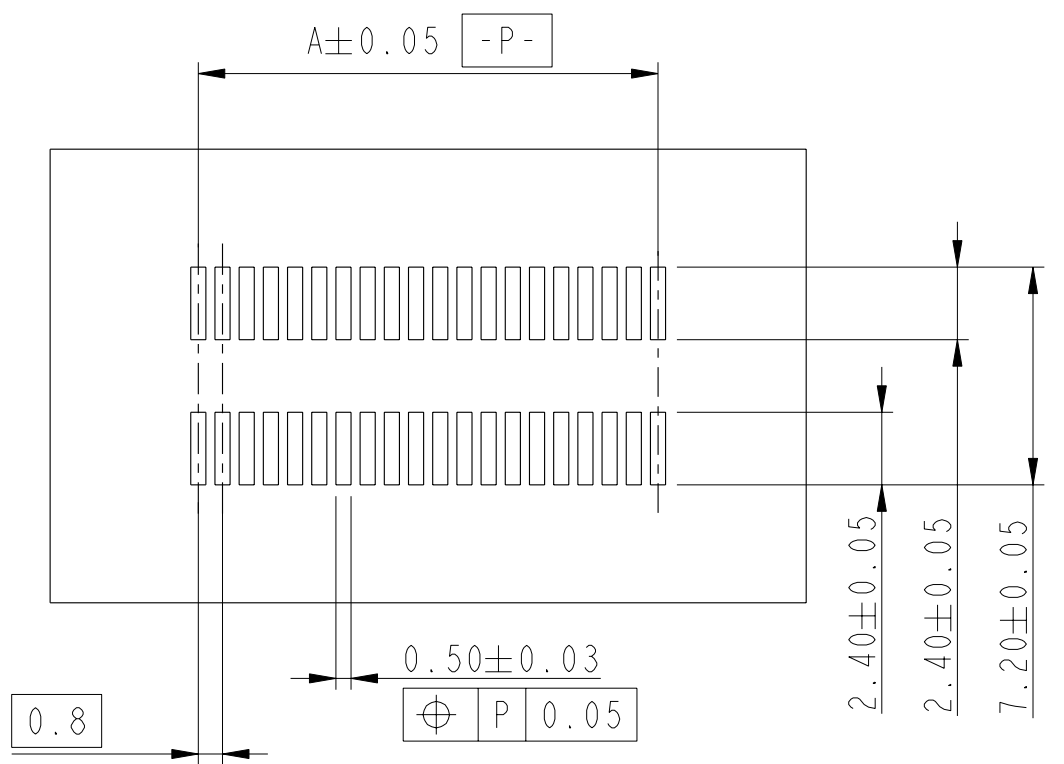
dwg no 61082

Rev.  
AA

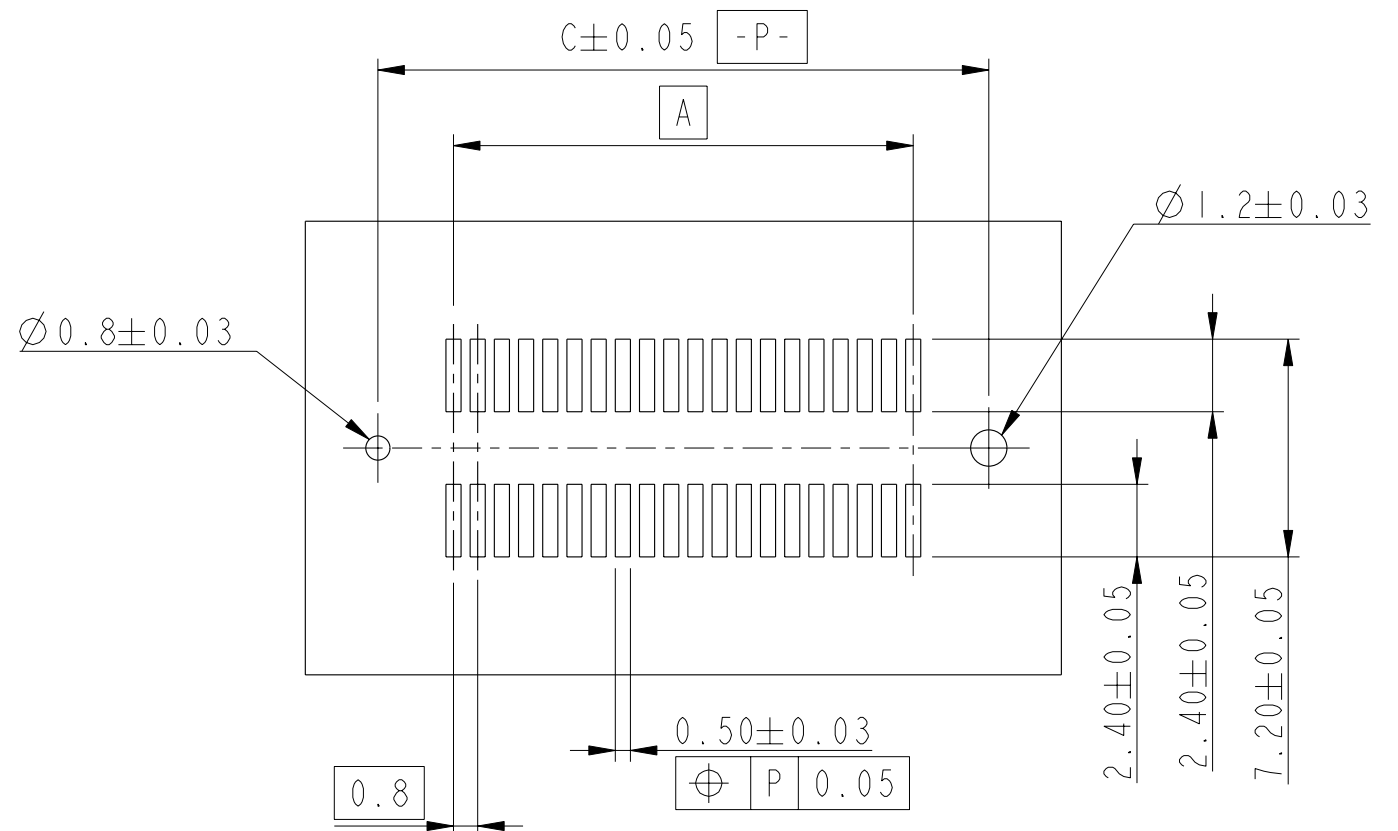
CUSTOMER

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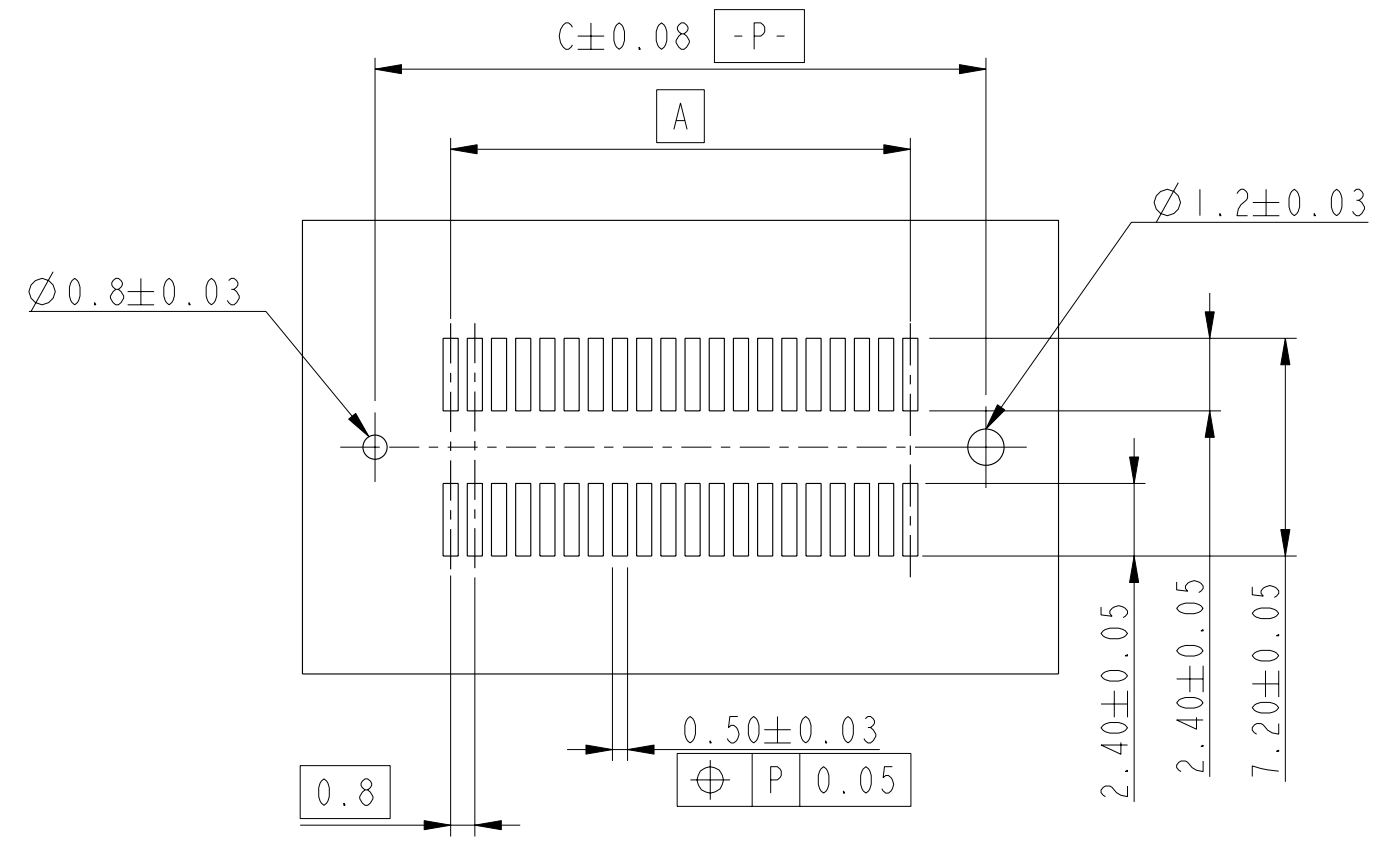
# RECEPTACLE 2 & 3



RECOMMENDED PCB LAYOUT WITHOUT PEGS AND HOLDDOWN



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



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



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|  |                                            |                 |              |
|--|--------------------------------------------|-----------------|--------------|
|  | title<br>BERGSTAK 0.8MM<br>RECEPTACLE ASSY | dwg no<br>61082 | Rev.<br>AA   |
|  | catalog no<br>-                            | CUSTOMER        | sheet 6 of 6 |