61082-AA B C D E G FF

| AA | POSITION |
|---|---|
| 02 | 2X10 |
| 04 | 2X20 |
| 06 | 2X30 |
| 08 | 2X40 |
| 10 | 2X50 |
| 12 | 2X60 |
| 14 | 2X70 |
| 16 | 2X80 |
| 18 | 2X90 |
| 20 | 2X100 |

NOTE 10

| B | FOR PLUG, SEE DWG. NO. 61083 | | | |
|---|---|---|---|---|
| COMBINATION OF MATED HEIGHT | Plug 1 | Plug 2 | Plug 3 | Plug 4 |
| Recep 1 | 5 | 6 | 7 | 8 |
| Recep 2 | 9 | 10 | 11 | 12 |
| Recep 3 | 13 | 14 | 15 | 16 |
| Recep 4 | 17 | 18 | 19 | 20 |

| G | DATE CODE |
|---|---|
| / | NOT PRINT DATE CODE |
| P | PRINT DATE CODE |

| E | PACKAGING | |
|---|---|---|
| 0 | TUBE WITHOUT METAL CAP | |
| 2 | T&R WITH METAL CAP | NOTE 10 |
| 9 | TUBE WITH METAL CAP | NOTE 10 |
| 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 |

NOTE:

1. MATERIAL:
   HOUSING: G.F. LCP, UL94-V0
   TERMINAL:NICKEL COPPER
2. PLATING: AS SHOWN IN TABLE.
3. SEE GS-12-547 FOR PRODUCT SPEC.
4. PACKAGING OPTION 2: NOT ALL SIZES ARE AVAILABLE. CHECK WITH FACTORY.
5. THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
6. THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
7. PLATING OPTION "4" IS LEADFREE ALTERNATIVE FOR OPTION "0", AND OPTION "6" IS LEADFREE ALTERNATIVE FOR OPTION " 1".
8. HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.
9. THE P/N 61082-****** OR 61082-******LF NOT PRINT DATE CODE.
   THE P/N 61082-******P OR 61082-******PLF NEED PRINT DATE CODE.
10. 2X10 POSITION ONLY APPLY TO RECEPTACLE 4.
    PACKAGING WITH METAL CAP DOES NOT APPLY TO 2X10 POSITION.

Copyright FCI.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | | | dr | Matthew Cheong | 2009/06/09 | projection | MM |
| tolerance std ISO 406 ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Jim Meng | 2015/03/25 | | |
| | | | chr | - | - | | |
| | | | appr | Tim Yao | 2015/04/02 | product family | - |
| surface - ISO 1302 | linear | 0.X ±0.20 | FCI www.fci.com | title | BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no | 61082 |
| | | 0.XX ±0.15 | | | | | |
| | | 0.XXX ±0.10 | | | | | |
| | angular | 0° ±2° | | cat. no. | - | Product - Customer Drw | sheet 1 of 7 |

| size | scale |
|---|---|
| A3 | 3:1 |

ecn no ELX-N-20397-1

rel level **Released**

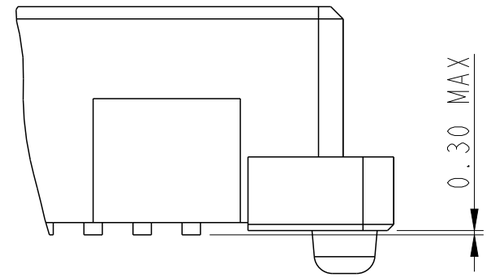
rev **AD**

| 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 |

DATE CODE: XXXXXX

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

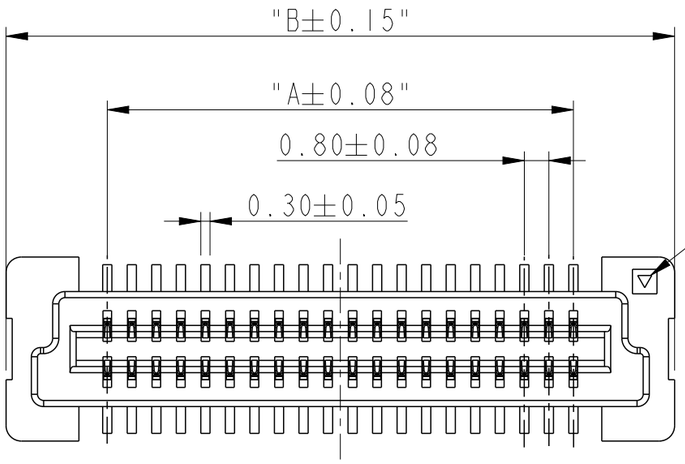
DETAIL F

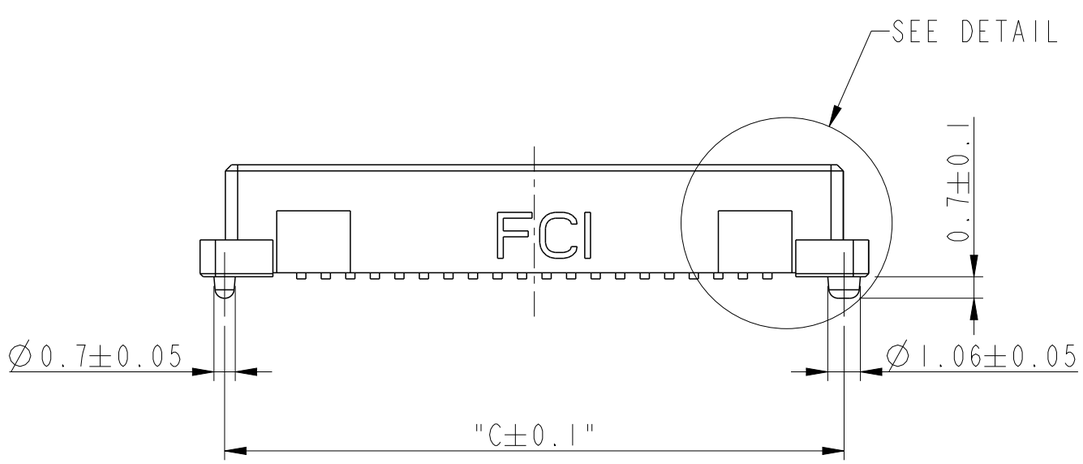


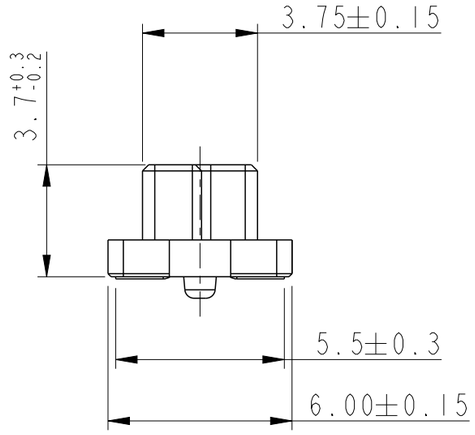

COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

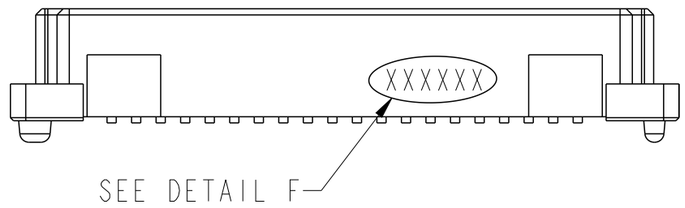
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL A
SCALE 10:1




# RECEPTACLE 1

| | | | | | |
|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 / scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no ELX-N-20397-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2015/04/02 | product family - | | rel level Released |

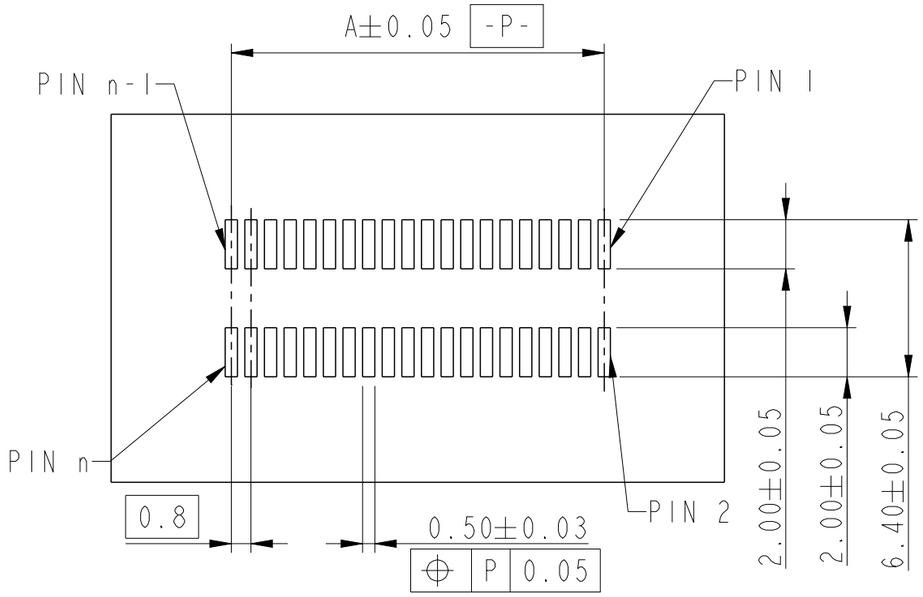
| | | | |
|---|---|---|---|
| www.fci.com | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 61082 | rev AD |
| | cat. no. - | Product - Customer Drw | sheet 2 of 7 |

Copyright FCI.

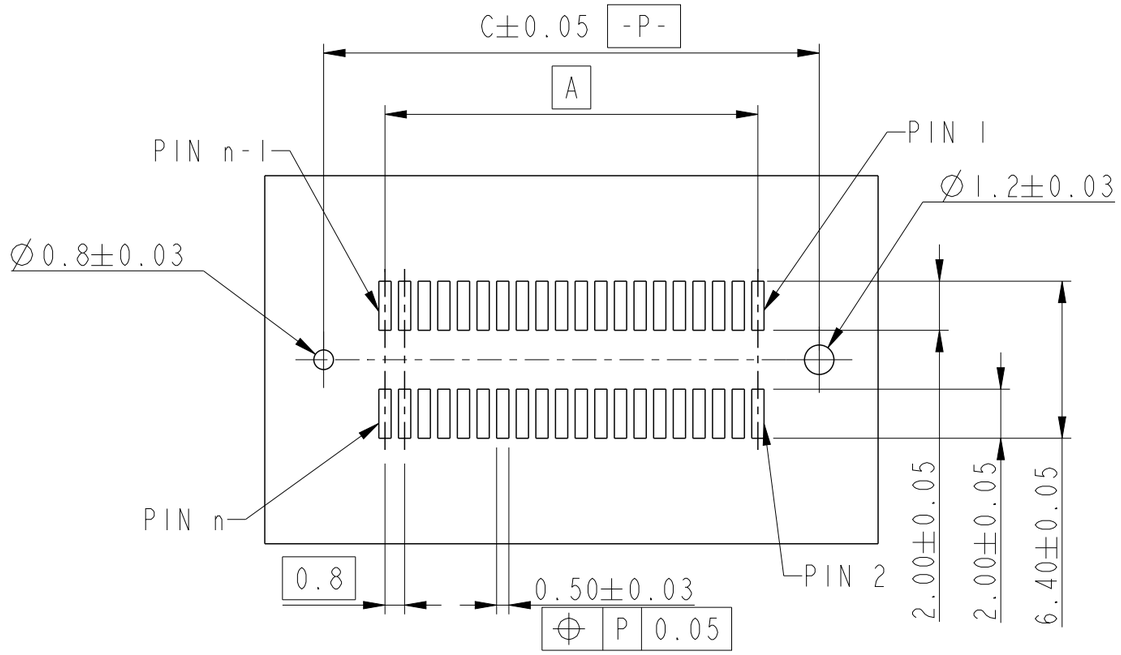
Pro/E File - REV C - 2009-06-09

PDS: Rev :AD STATUS:Released Printed: Apr 02, 2015

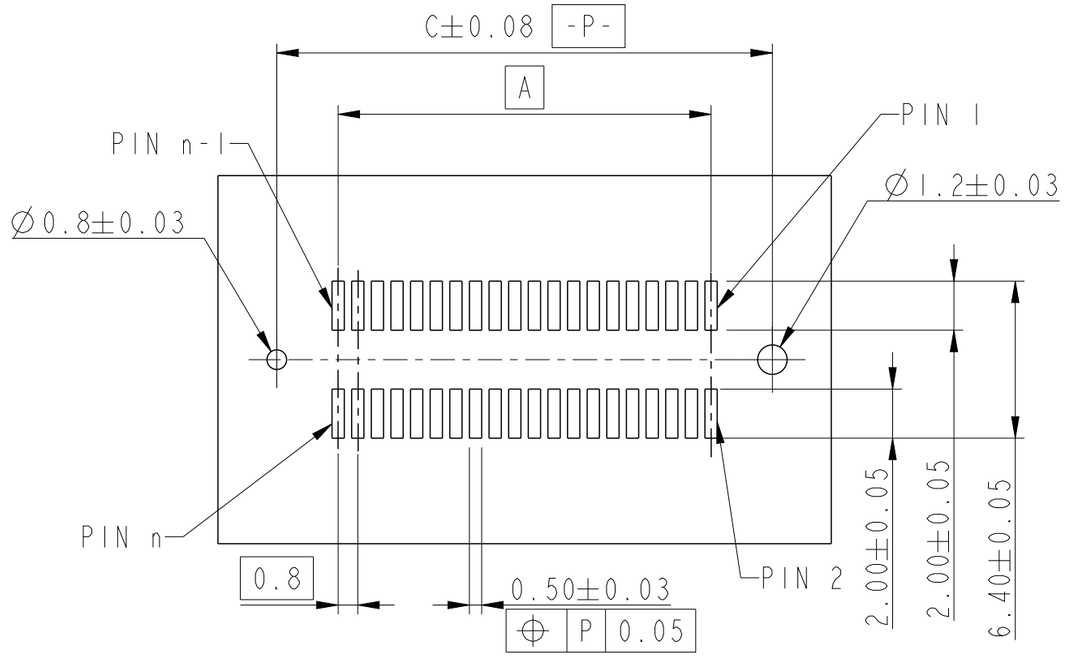
# RECEPTACLE 1




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

| | | | | | | |
|---|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 | scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no | ELX-N-20397-1 |
| chr | - | - | | | rel level | Released |
| appr | Tim Yao | 2015/04/02 | product family | - | | |

| | | | |
|---|---|---|---|
| www.fci.com | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no: 61082 | rev: AD |
| | cat. no. - | Product - Customer Drw | sheet 3 of 7 |

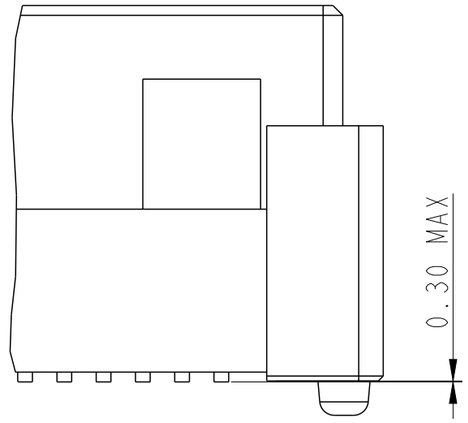
Copyright FCI.

| 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 |

DATE CODE: XXXXXX

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

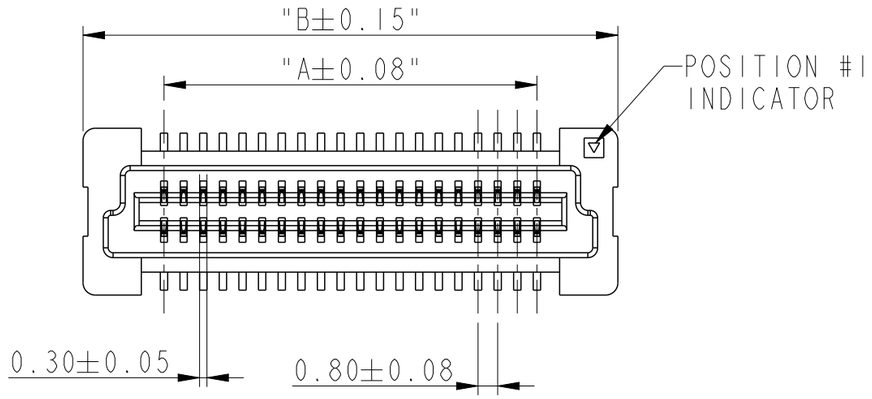
DETAIL G

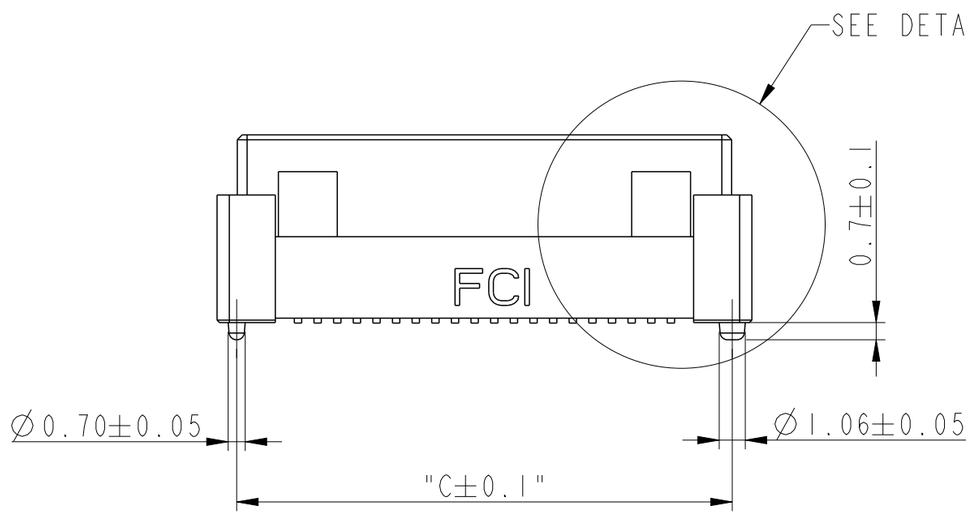


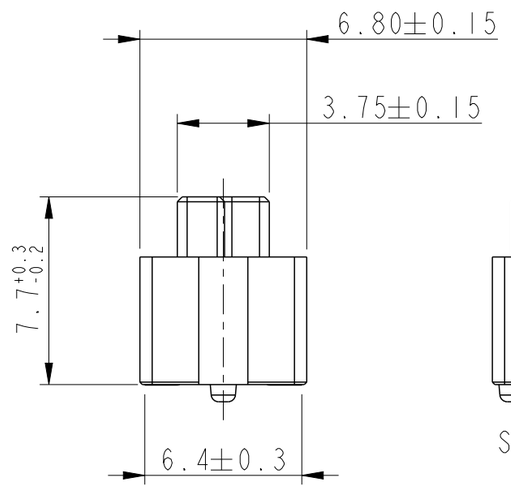

COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

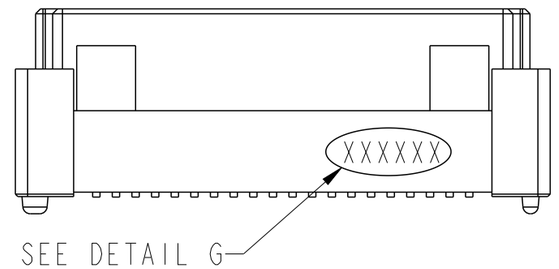
HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL C
SCALE 8:1




# RECEPTACLE 2

| | | | | | |
|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 / scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no ELX-N-20397-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2015/04/02 | product family - | | rel level Released |

| | | | |
|---|---|---|---|
| www.fci.com | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 61082 | rev AD |
| | cat. no. - | Product - Customer Drw | sheet 4 of 7 |

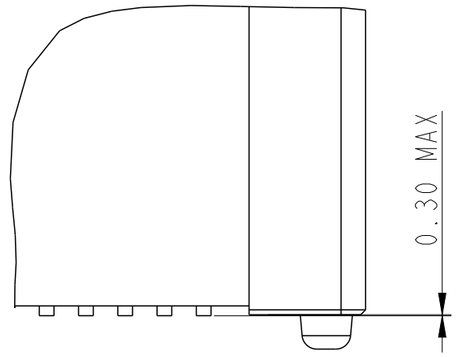
Copyright FCI.

| 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 |

DATE CODE: XXXXXX

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

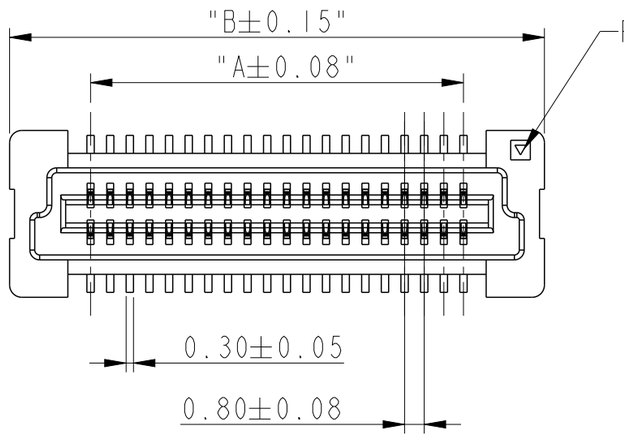
DETAIL H

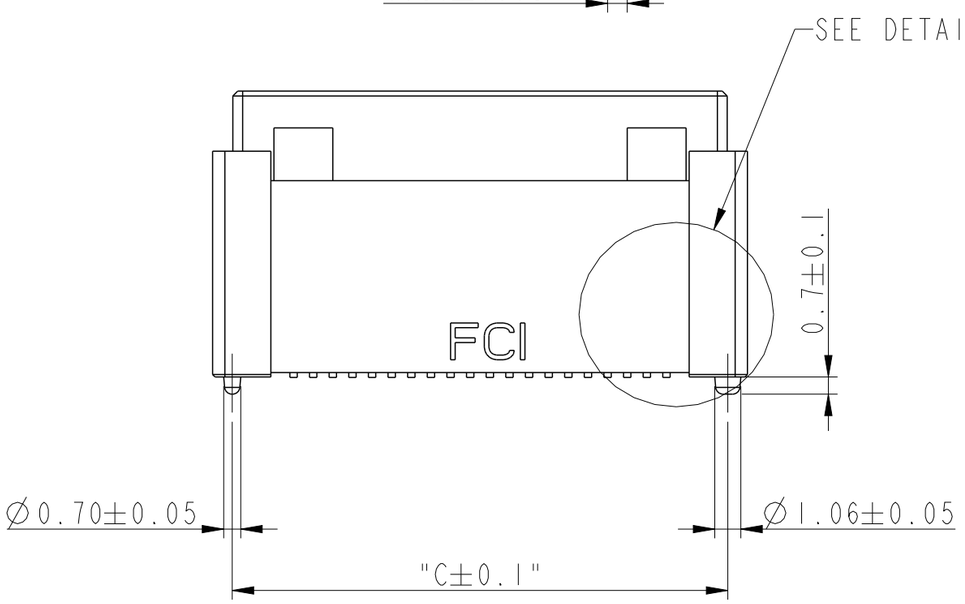


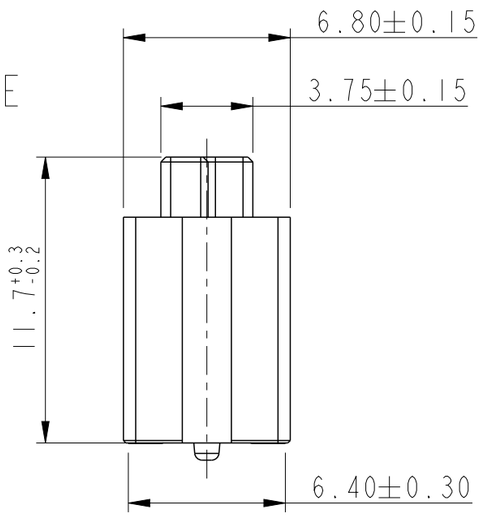

COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

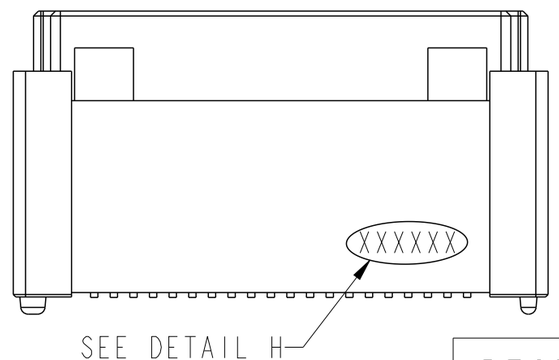
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL E
SCALE 8:1




RECEPTACLE 3

| | | | | | |
|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 / scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no ELX-N-20397-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2015/04/02 | product family - | | rel level Released |

FCI www.fci.com

title: BERGSTAK 0.8MM RECEPTACLE ASS'Y
dwg no: 61082
rev: AD
cat. no. -
Product - Customer Drw
sheet 5 of 7

Copyright FCI.

Pro/E File - REV C - 2009-06-09

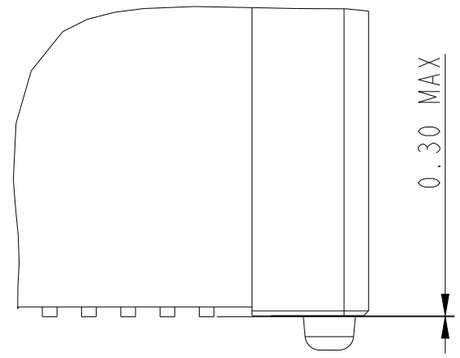
PDS: Rev :AD
STATUS:Released
Printed: Apr 02, 2015

| PRODUCT NO. | NUMBER OF POSITIONS | DIMENSION | | |
|---|---|---|---|---|
| | | A | B | C |
| 61082-024*** | 2X10 | 7.2 | 13.8 | 12.2 |
| 61082-044*** | 2X20 | 15.2 | 21.8 | 20.2 |
| 61082-064*** | 2X30 | 23.2 | 29.8 | 28.2 |
| 61082-084*** | 2X40 | 31.2 | 37.8 | 36.2 |
| 61082-104*** | 2X50 | 39.2 | 45.8 | 44.2 |
| 61082-124*** | 2X60 | 47.2 | 53.8 | 52.2 |
| 61082-144*** | 2X70 | 55.2 | 61.8 | 60.2 |
| 61082-164*** | 2X80 | 63.2 | 69.8 | 68.2 |
| 61082-184*** | 2X90 | 71.2 | 77.8 | 76.2 |
| 61082-204*** | 2X100 | 79.2 | 85.8 | 84.2 |

DATE CODE: XXXXXX

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

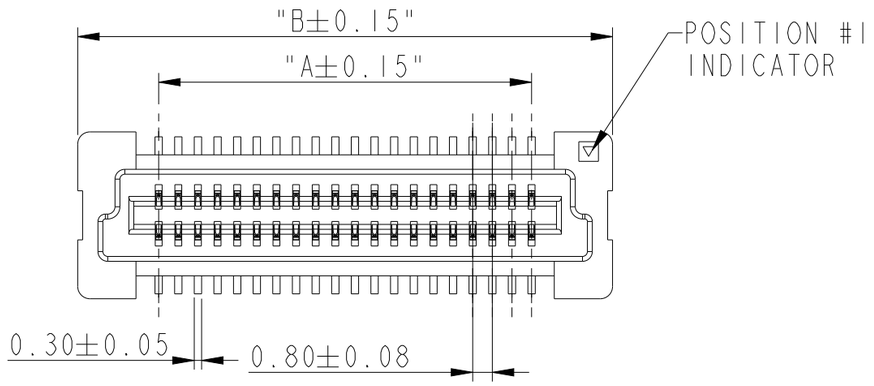
DETAIL K

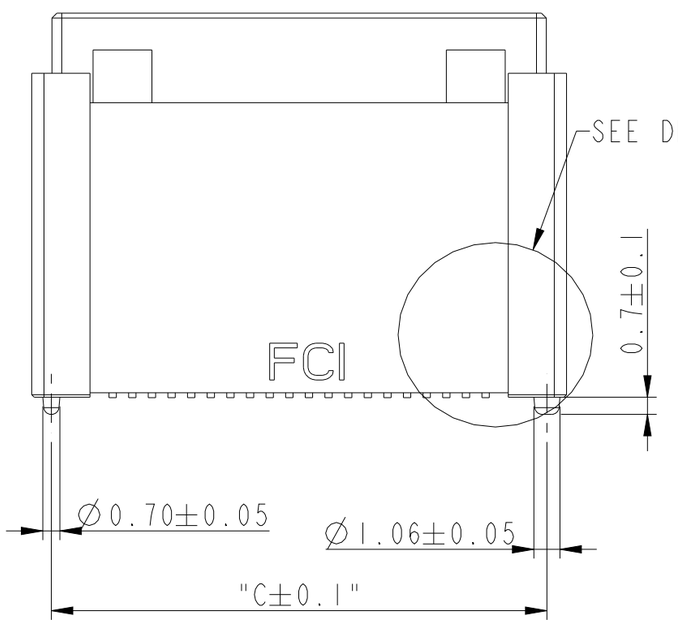


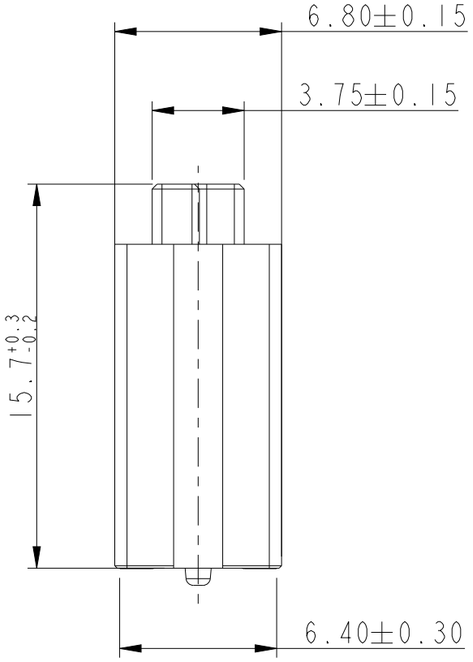

COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

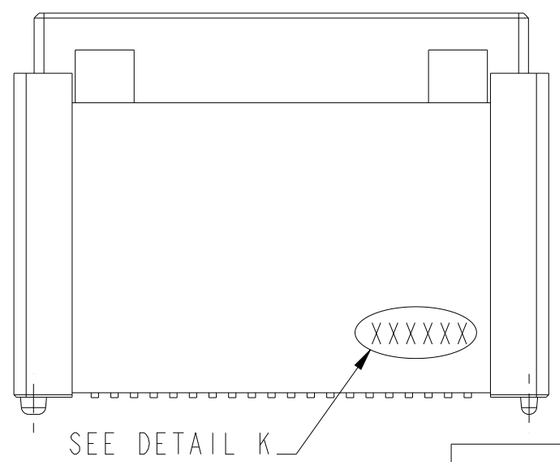
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL J
SCALE 8:1




# RECEPTACLE 4

| | | | | | |
|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 / scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no ELX-N-20397-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2015/04/02 | product family - | | rel level Released |

| | | | |
|---|---|---|---|
| www.fci.com | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 61082 | rev AD |
| | cat. no. - | Product - Customer Drw | sheet 6 of 7 |

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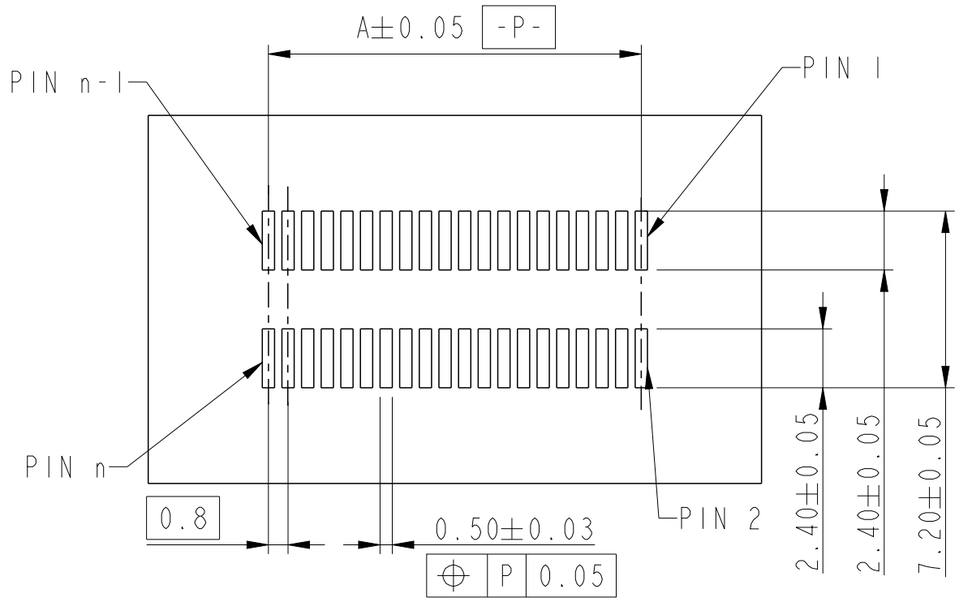
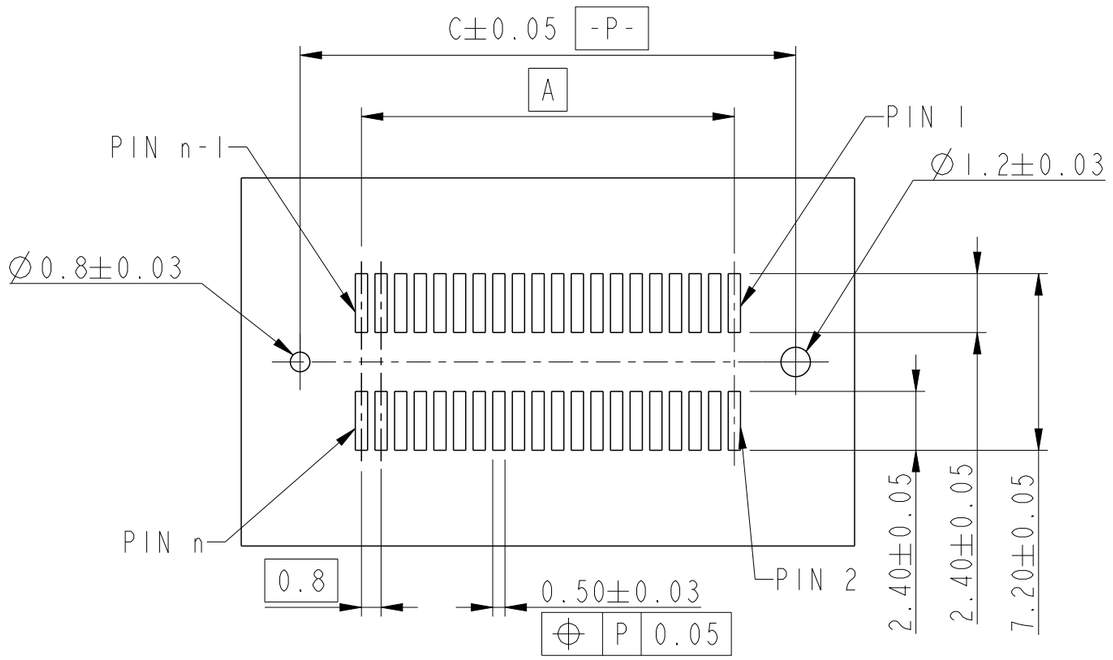
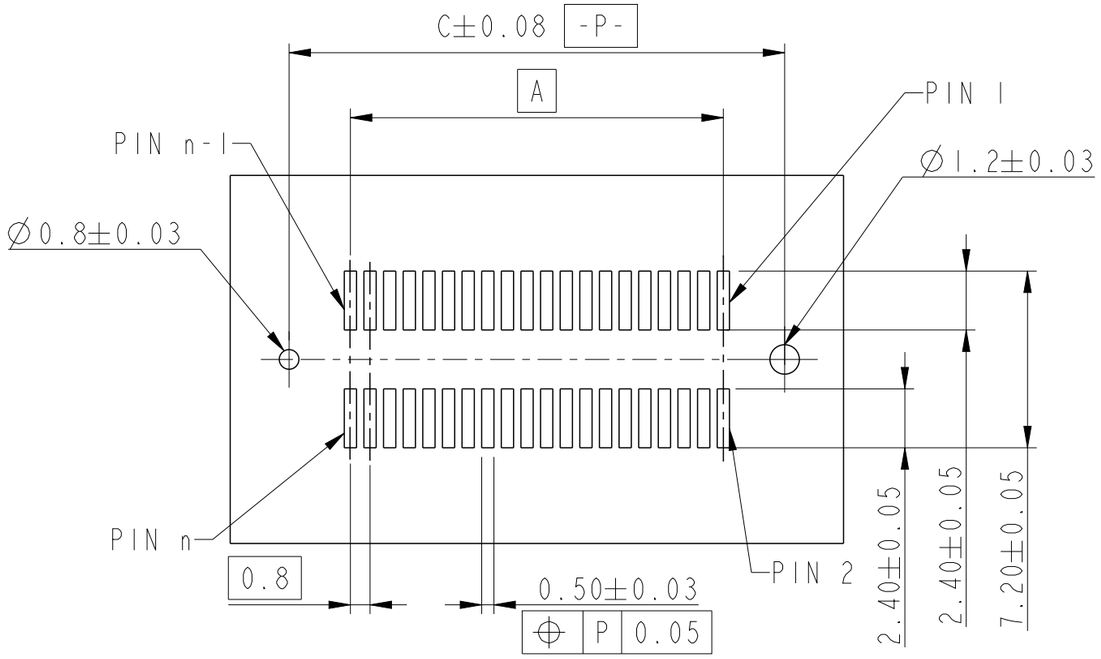
# RECEPTACLE 2 & 3 & 4




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

| | | | | | | |
|---|---|---|---|---|---|---|
| dr | Matthew Cheong | 2009/06/09 | projection | MM | size A3 | scale 3:1 |
| eng | Jim Meng | 2015/03/25 | | | ecn no | ELX-N-20397-1 |
| chr | - | - | | | | |
| appr | Tim Yao | 2015/04/02 | product family | - | rel level | Released |

| | | | |
|---|---|---|---|
| FCI | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 61082 | rev AD |
| www.fci.com | cat. no. - | Product - Customer Drw | sheet 7 of 7 |

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