10134989-AA B C D E G FF

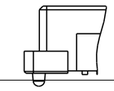
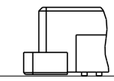
| AA | POSITION |
|---|---|
| 02 | 2X10 |
| 04 | 2X20 |
| 06 | 2X30 |
| 08 | 2X40 |
| 10 | 2X50 |
| 12 | 2X60 |
| 14 | 2X70 |
| 16 | 2X80 |
| 18 | 2X90 |
| 20 | 2X100 |

NOTE 10

| B | FOR PLUG, SEE DWG. NO. 10134990 | | | |
|---|---|---|---|---|
| COMBINATION OF MATED HEIGHT | Plug 1 (4.7) | Plug 2 (5.7) | Plug 3 (6.7) | Plug 4 (7.7) |
| Recep 1 (3.7) | 5 | 6 | 7 | 8 |
| Recep 2 (7.7) | 9 | 10 | 11 | 12 |
| Recep 3 (11.7) | 13 | 14 | 15 | 16 |
| Recep 4 (15.7) | 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 |
| Q | T&R WITHOUT CAP | |
| W | T&R WITH METAL CAP, FOR OCEAN SHIPPING | 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/SOLDER 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 |
| 9 | GOLD 0.2um MIN / GOLD 0.05um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um MIN(LEADFREE) | LF |

NOTE:

1. MATERIAL:
   HOUSING: G.F. LCP, UL94-V0
   TERMINAL:NICKEL COPPER
   METAL CAP:STAINLESS STEEL
2. PLATING: AS SHOWN IN TABLE.
3. SEE GS-12-1325 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 10134989-****** OR 10134989-******LF NOT PRINT DATE CODE.
   THE P/N 10134989-******P OR 10134989-******PLF NEED PRINT DATE CODE.
10. 2X10 POSITION ONLY APPLY TO RECEPTACLE 4.
    PACKAGING WITH METAL CAP DOES NOT APPLY TO 2X10 POSITION.
11. PIN SOLDER TAIL OVERLAPPING NEED 50% MIN
12. (oval) DIMENSIONS NEED TO MEASURE BY QC

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | | | dr | Jim Meng | 2015/08/04 | projection | MM |
| tolerance std ISO 406 ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Bob Gu | 2019/08/13 | | |
| | | | chr | - | - | | |
| | | | appr | Tim Yao | 2019/08/14 | | |
| surface - ISO 1302 | linear | 0.X | ±0.20 | product family | - | size A3 | scale 3:1 |
| | | 0.XX | ±0.15 | | | ecn no | ELX-N-34381-1 |
| | | 0.XXX | ±0.10 | | | rel level | Released |
| | angular | 0° | ±2° | | | | |

Amphenol FCI | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no: 10134989 | rev: C

www.fci.com | cat. no. - | Product - Customer Drw | sheet 1 of 7

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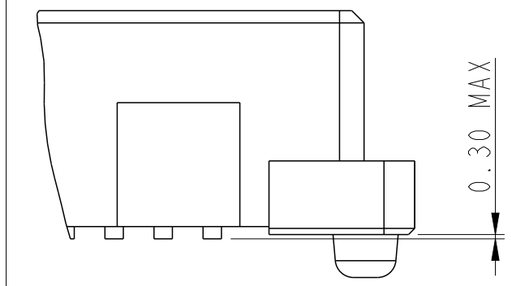
PDS: Rev :C STATUS:Released Printed: Aug 14, 2019

| PRODUCT NO. | NUMBER OF POSITIONS | DIMENSION | | |
|---|---|---|---|---|
| | | A | B | C |
| 10134989-041*** | 2X20 | 15.2 | 21.8 | 20.2 |
| 10134989-061*** | 2X30 | 23.2 | 29.8 | 28.2 |
| 10134989-081*** | 2X40 | 31.2 | 37.8 | 36.2 |
| 10134989-101*** | 2X50 | 39.2 | 45.8 | 44.2 |
| 10134989-121*** | 2X60 | 47.2 | 53.8 | 52.2 |
| 10134989-141*** | 2X70 | 55.2 | 61.8 | 60.2 |
| 10134989-161*** | 2X80 | 63.2 | 69.8 | 68.2 |
| 10134989-181*** | 2X90 | 71.2 | 77.8 | 76.2 |
| 10134989-201*** | 2X100 | 79.2 | 85.8 | 84.2 |

DATE CODE: XXXXXX

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

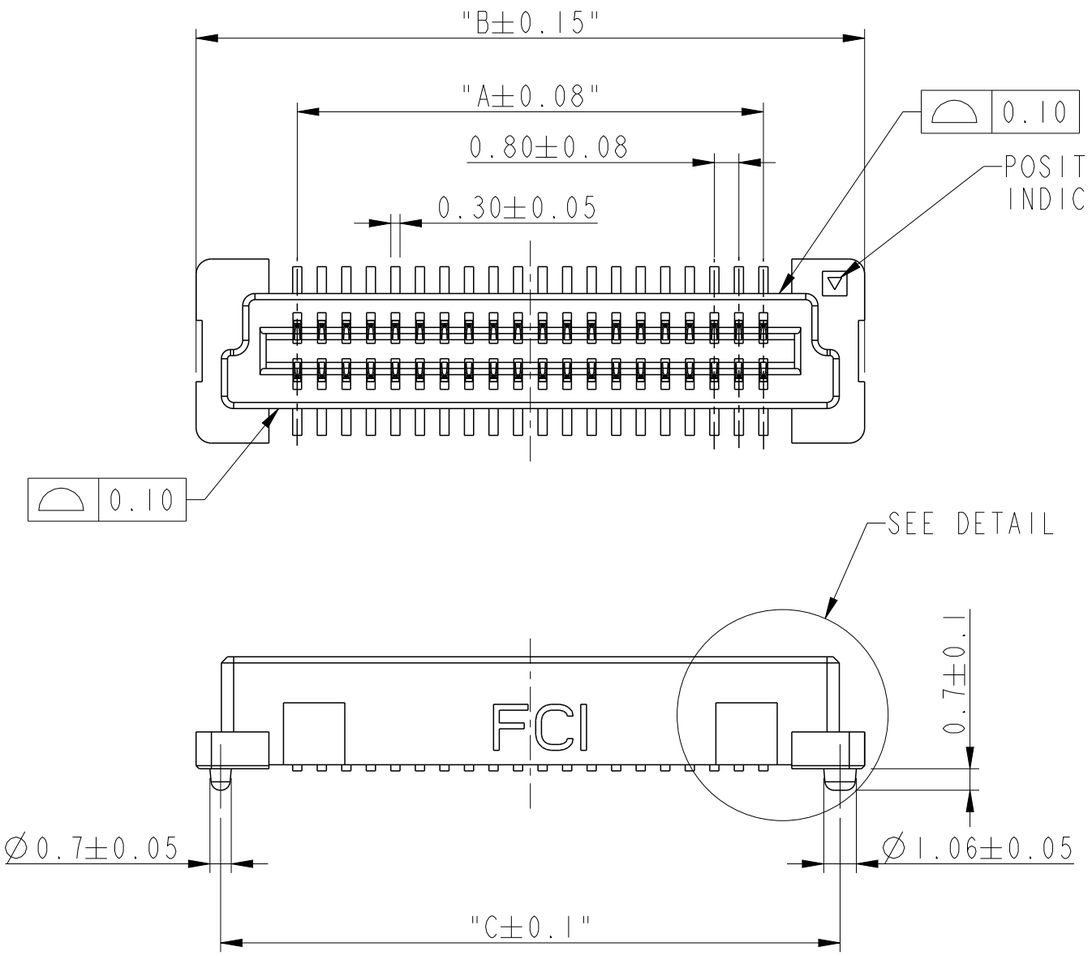
DETAIL F

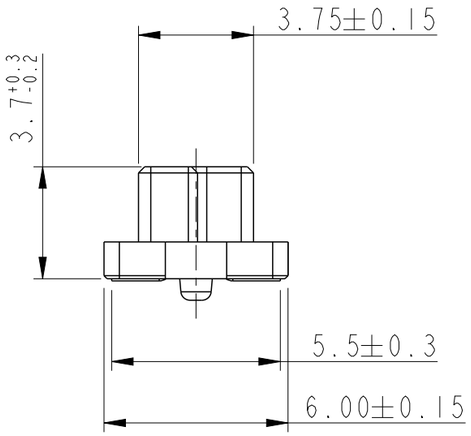


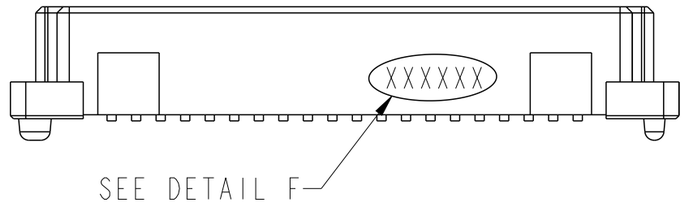

COPLANARITY OF TAIL:
0.1 MAX. APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

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

DETAIL A
SCALE 10:1




RECEPTACLE 1

| | | | | | |
|---|---|---|---|---|---|
| dr | Jim Meng | 2015/08/04 | projection | MM | size A3 / scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no ELX-N-34381-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2019/08/14 | product family - | | rel level Released |

| | | | |
|---|---|---|---|
| Amphenol FCI | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 10134989 | rev C |
| www.fci.com | cat. no. - | Product - Customer Drw | sheet 2 of 7 |

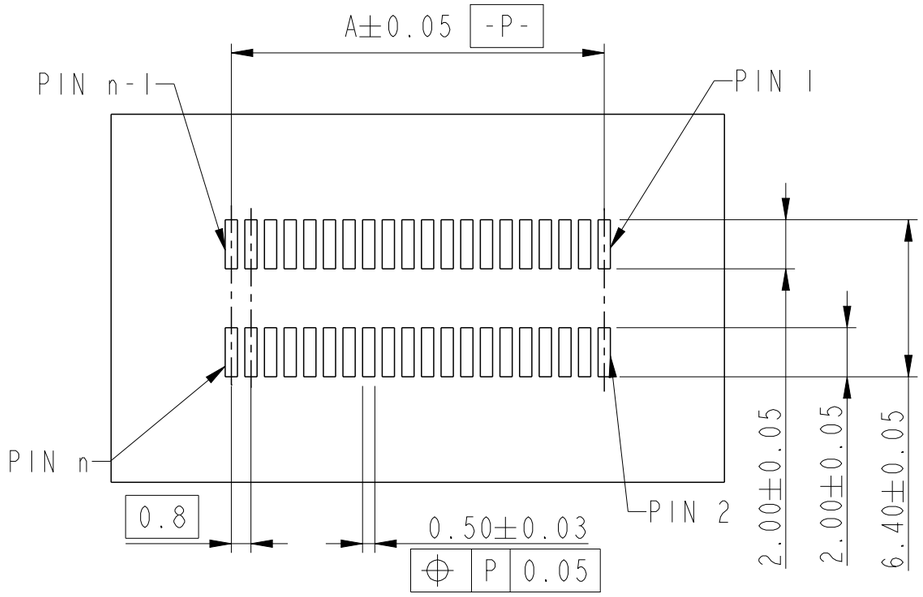
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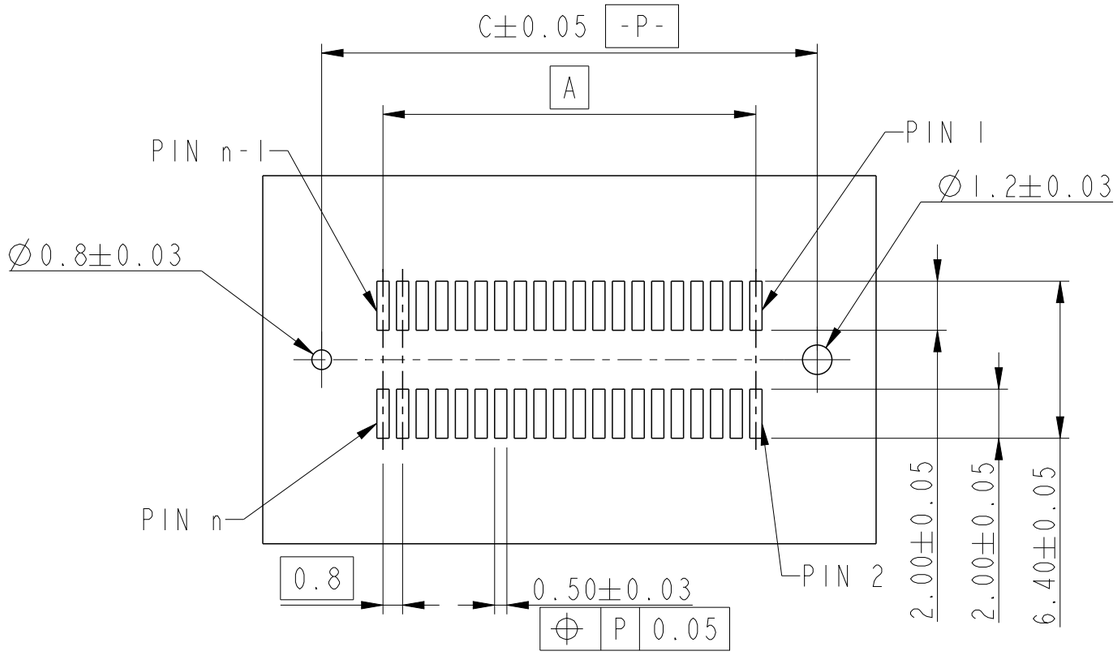
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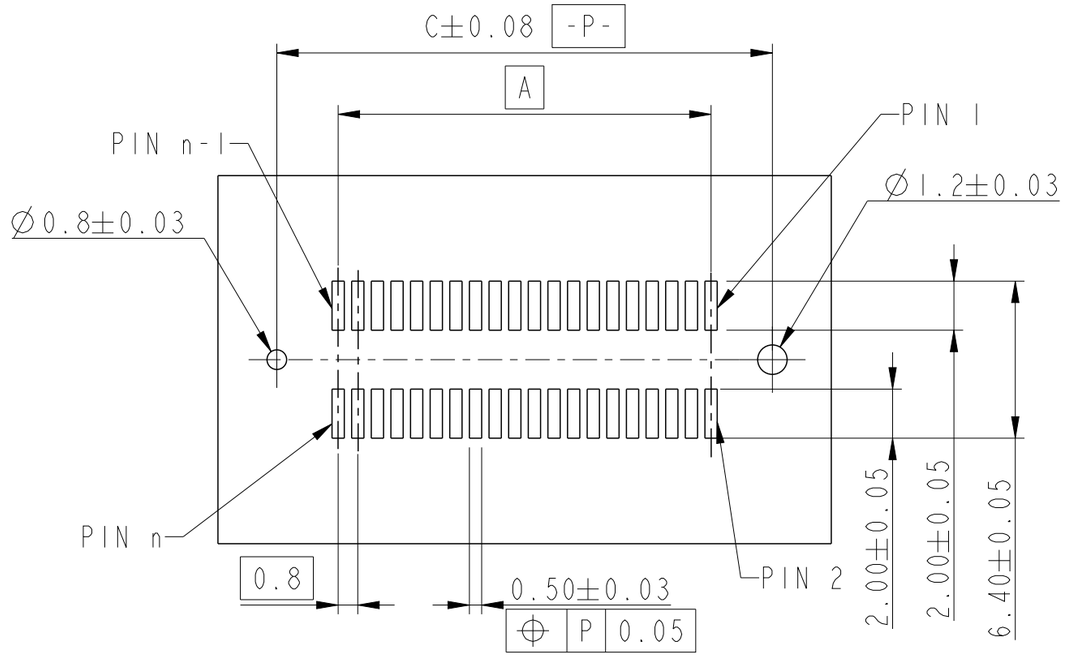
# RECEPTACLE 1




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 | Jim Meng | 2015/08/04 | projection | MM | size A3 | scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no | ELX-N-34381-1 |
| chr | - | - | | | | |
| appr | Tim Yao | 2019/08/14 | product family - | | rel level | Released |

| | | | |
|---|---|---|---|
| Amphenol FCi | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no 10134989 | rev C |
| www.fci.com | cat. no. - | Product - Customer Drw | sheet 3 of 7 |

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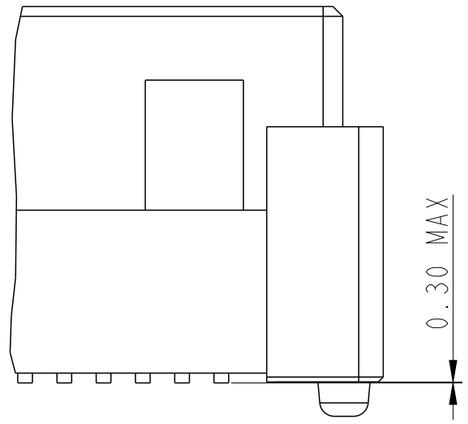
PDS: Rev :C STATUS:Released Printed: Aug 14, 2019

| PRODUCT NO. | NUMBER OF POSITIONS | DIMENSION | | |
|---|---|---|---|---|
| | | A | B | C |
| 10134989-042*** | 2X20 | 15.2 | 21.8 | 20.2 |
| 10134989-062*** | 2X30 | 23.2 | 29.8 | 28.2 |
| 10134989-082*** | 2X40 | 31.2 | 37.8 | 36.2 |
| 10134989-102*** | 2X50 | 39.2 | 45.8 | 44.2 |
| 10134989-122*** | 2X60 | 47.2 | 53.8 | 52.2 |
| 10134989-142*** | 2X70 | 55.2 | 61.8 | 60.2 |
| 10134989-162*** | 2X80 | 63.2 | 69.8 | 68.2 |
| 10134989-182*** | 2X90 | 71.2 | 77.8 | 76.2 |
| 10134989-202*** | 2X100 | 79.2 | 85.8 | 84.2 |

DATE CODE: XXXXXX

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

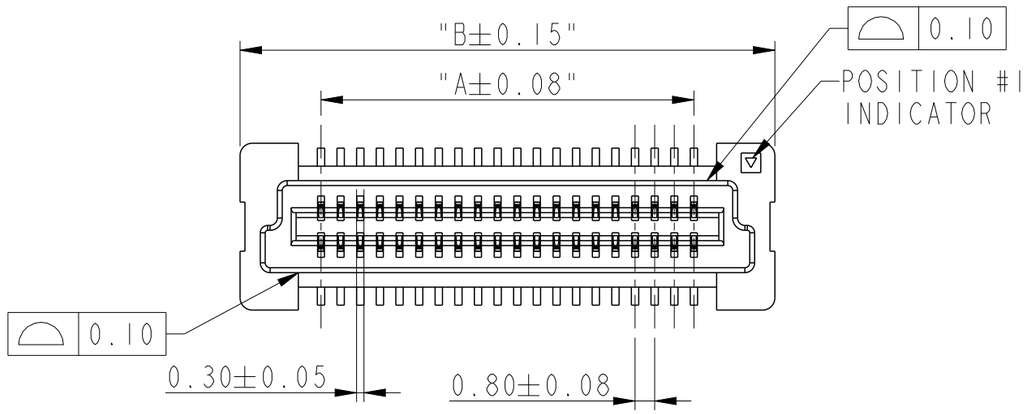
DETAIL G

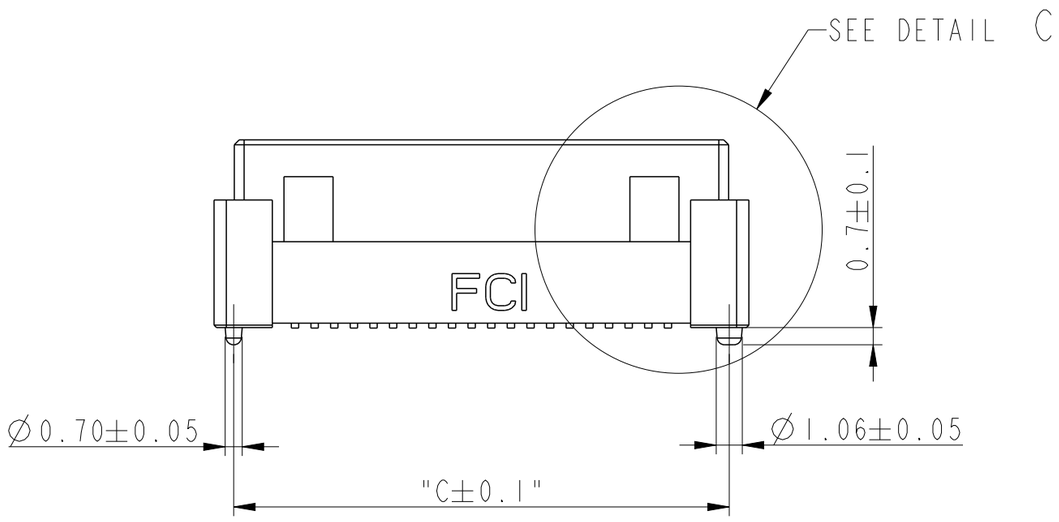


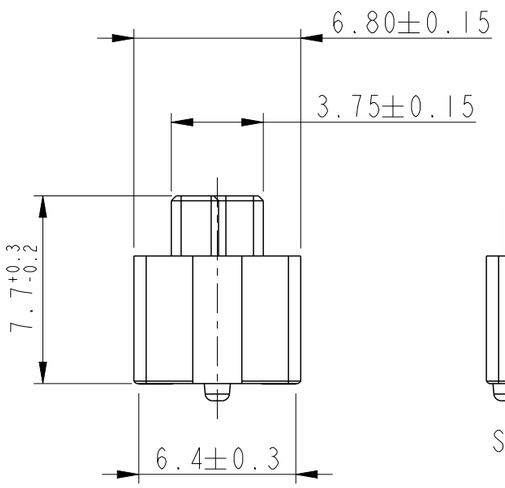

COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS.
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

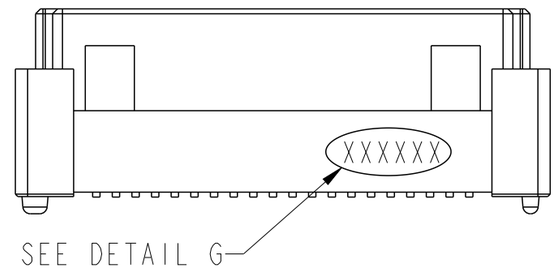
HIGH PRECISION COPLANARITY IS AVAILABLE
FOR 2X80 TO 2X100 POS.
PLS REFER TO PRINT 10069524.

DETAIL C
SCALE 8:1




RECEPTACLE 2

| | | | | | |
|---|---|---|---|---|---|
| dr | Jim Meng | 2015/08/04 | projection | MM | size A3 / scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no ELX-N-34381-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2019/08/14 | product family - | | rel level Released |

| | | | |
|---|---|---|---|
| Amphenol FCi | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no: 10134989 | rev: C |
| www.fci.com | cat. no. - | Product - Customer Drw | sheet 4 of 7 |

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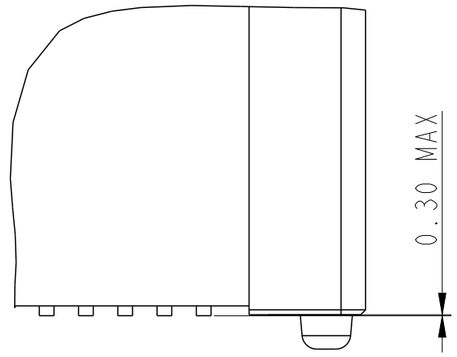
PDS: Rev :C STATUS:Released Printed: Aug 14, 2019

| PRODUCT NO. | NUMBER OF POSITIONS | DIMENSION | | |
|---|---|---|---|---|
| | | A | B | C |
| 10134989-043*** | 2X20 | 15.2 | 21.8 | 20.2 |
| 10134989-063*** | 2X30 | 23.2 | 29.8 | 28.2 |
| 10134989-083*** | 2X40 | 31.2 | 37.8 | 36.2 |
| 10134989-103*** | 2X50 | 39.2 | 45.8 | 44.2 |
| 10134989-123*** | 2X60 | 47.2 | 53.8 | 52.2 |
| 10134989-143*** | 2X70 | 55.2 | 61.8 | 60.2 |
| 10134989-163*** | 2X80 | 63.2 | 69.8 | 68.2 |
| 10134989-183*** | 2X90 | 71.2 | 77.8 | 76.2 |
| 10134989-203*** | 2X100 | 79.2 | 85.8 | 84.2 |

DATE CODE: XXXXXX

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

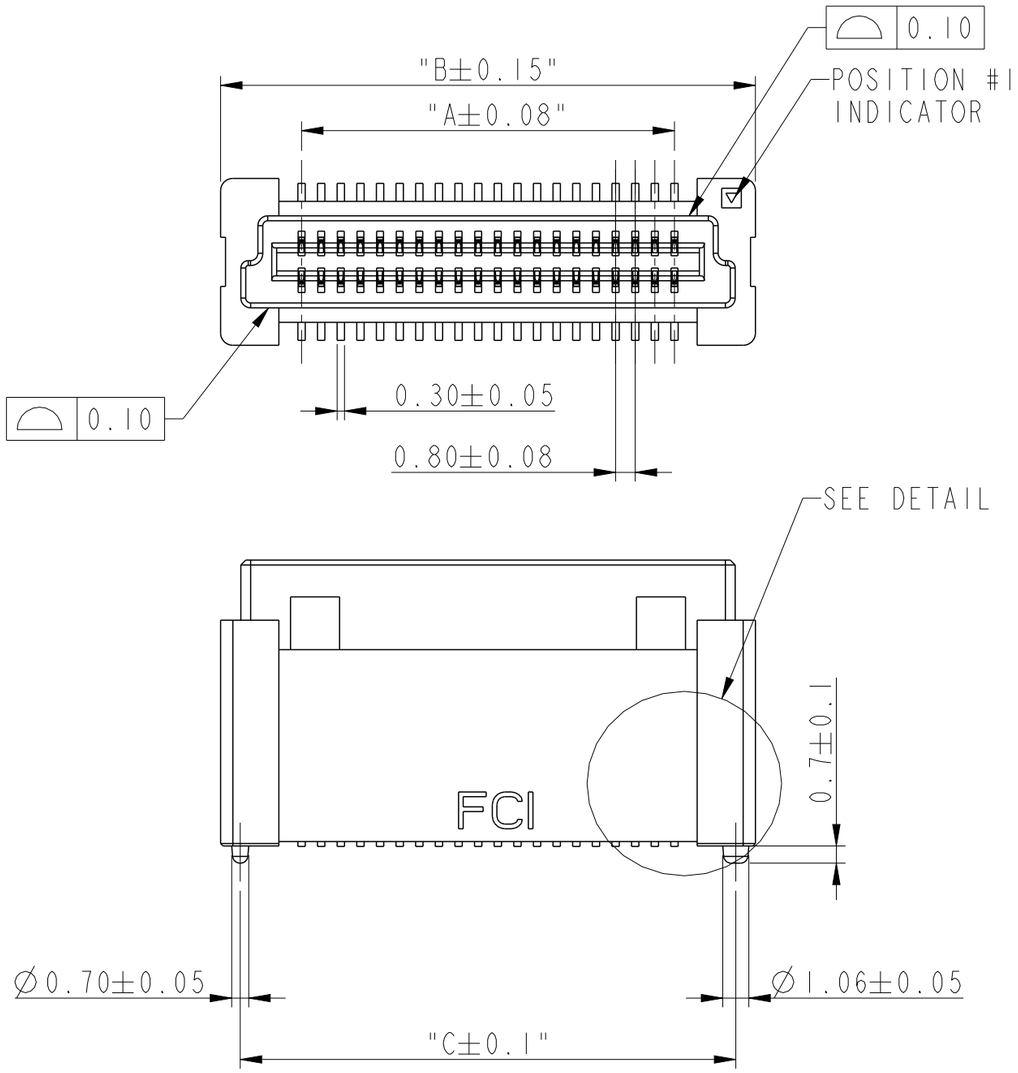
DETAIL H

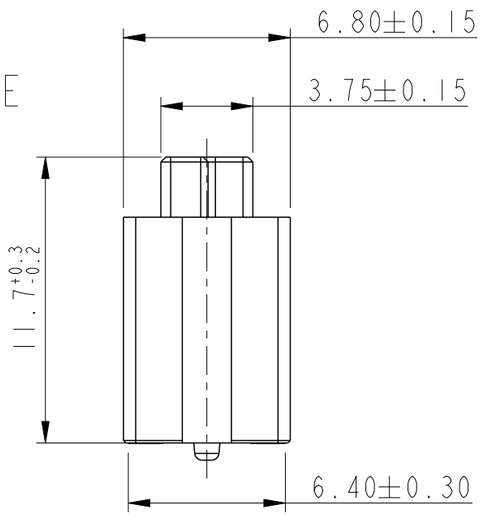


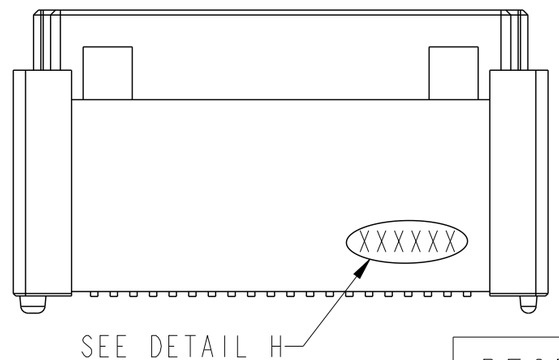

COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

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

DETAIL E
SCALE 8:1




RECEPTACLE 3

| | | | | | |
|---|---|---|---|---|---|
| dr | Jim Meng | 2015/08/04 | projection | MM | size A3 / scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no ELX-N-34381-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2019/08/14 | product family - | | rel level Released |

Amphenol FCi

title: BERGSTAK 0.8MM RECEPTACLE ASS'Y

dwg no: 10134989

rev: C

www.fci.com | cat. no. - | Product - Customer Drw | sheet 5 of 7

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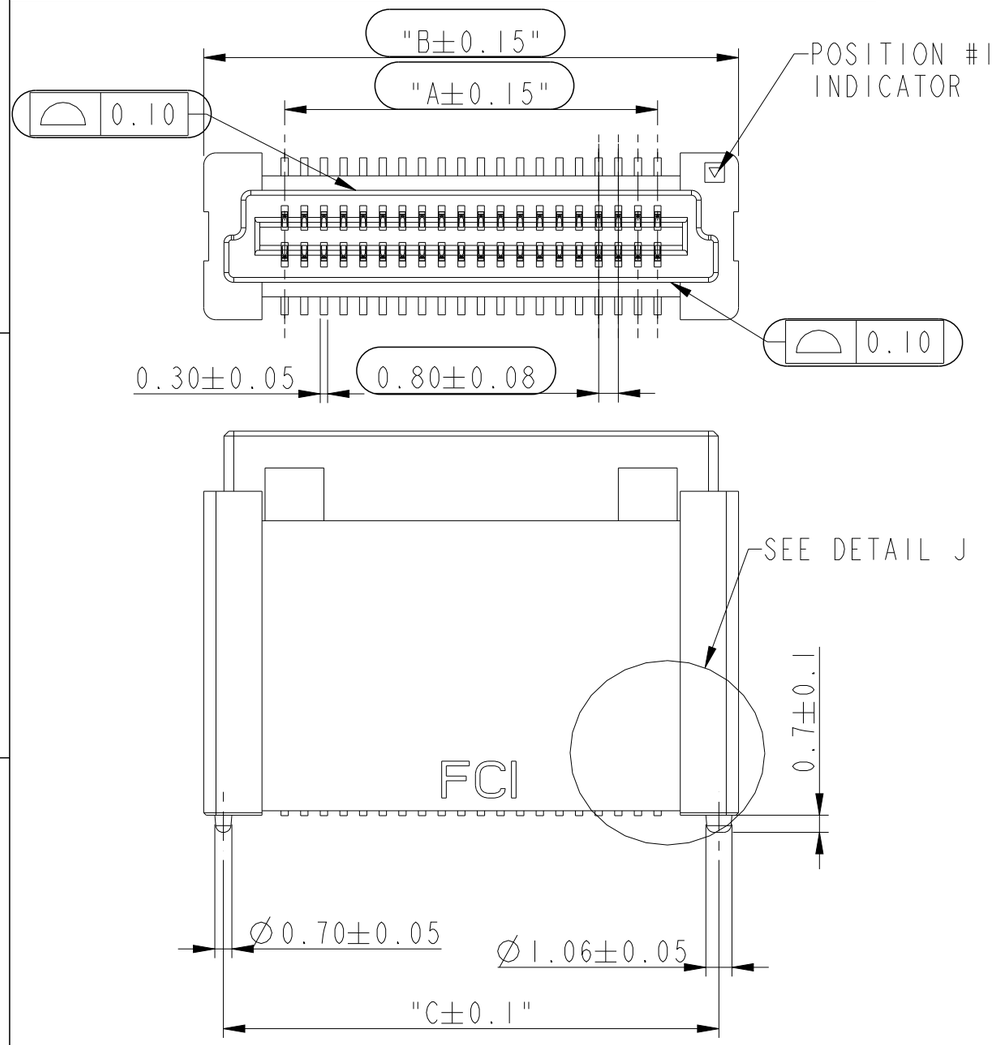
PDS: Rev :C

STATUS:Released

Printed: Aug 14, 2019

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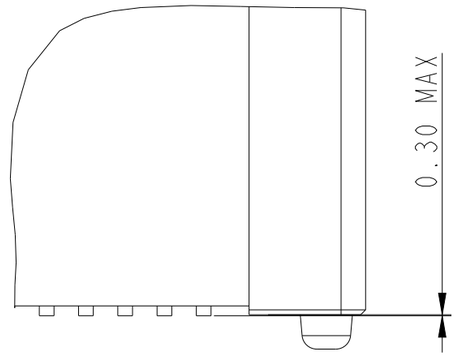
| PRODUCT NO. | NUMBER OF POSITIONS | DIMENSION | | |
|---|---|---|---|---|
| | | A | B | C |
| 10134989-024*** | 2X10 | 7.2 | 13.8 | 12.2 |
| 10134989-044*** | 2X20 | 15.2 | 21.8 | 20.2 |
| 10134989-064*** | 2X30 | 23.2 | 29.8 | 28.2 |
| 10134989-084*** | 2X40 | 31.2 | 37.8 | 36.2 |
| 10134989-104*** | 2X50 | 39.2 | 45.8 | 44.2 |
| 10134989-124*** | 2X60 | 47.2 | 53.8 | 52.2 |
| 10134989-144*** | 2X70 | 55.2 | 61.8 | 60.2 |
| 10134989-164*** | 2X80 | 63.2 | 69.8 | 68.2 |
| 10134989-184*** | 2X90 | 71.2 | 77.8 | 76.2 |
| 10134989-204*** | 2X100 | 79.2 | 85.8 | 84.2 |




DATE CODE: XXXXXX

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

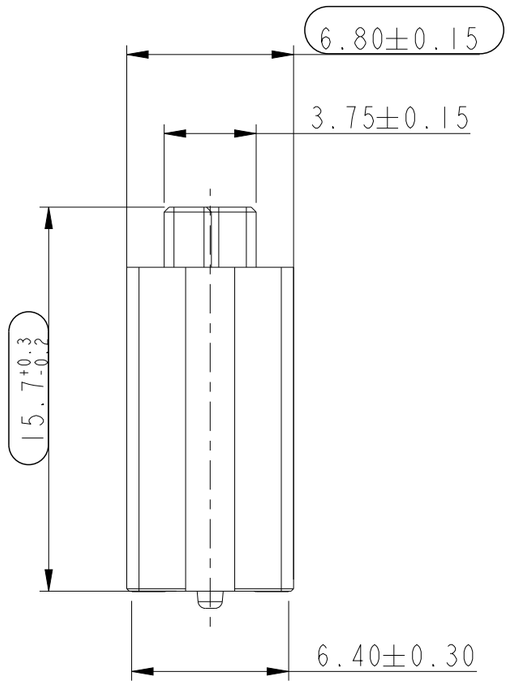
DETAIL K

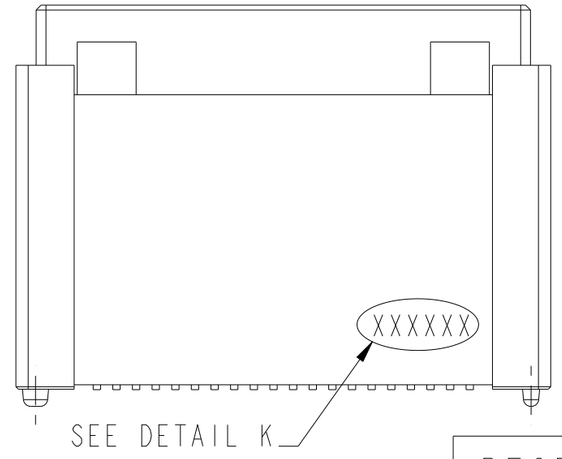



COPLANARITY OF TAIL
0.1 MAX APPLIED TO 2X20 TO 2X70 POS
0.13 MAX APPLIED TO 2X80 TO 2X100 POS.

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

DETAIL J
SCALE 8:1




RECEPTACLE 4

| | | | | | |
|---|---|---|---|---|---|
| dr | Jim Meng | 2015/08/04 | projection | MM | size A3 / scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no ELX-N-34381-1 |
| chr | - | - | | | |
| appr | Tim Yao | 2019/08/14 | product family - | | rel level Released |

Amphenol FCi

title: BERGSTAK 0.8MM RECEPTACLE ASS'Y

dwg no: 10134989

rev: C

www.fci.com | cat. no. - | Product - Customer Drw | sheet 6 of 7

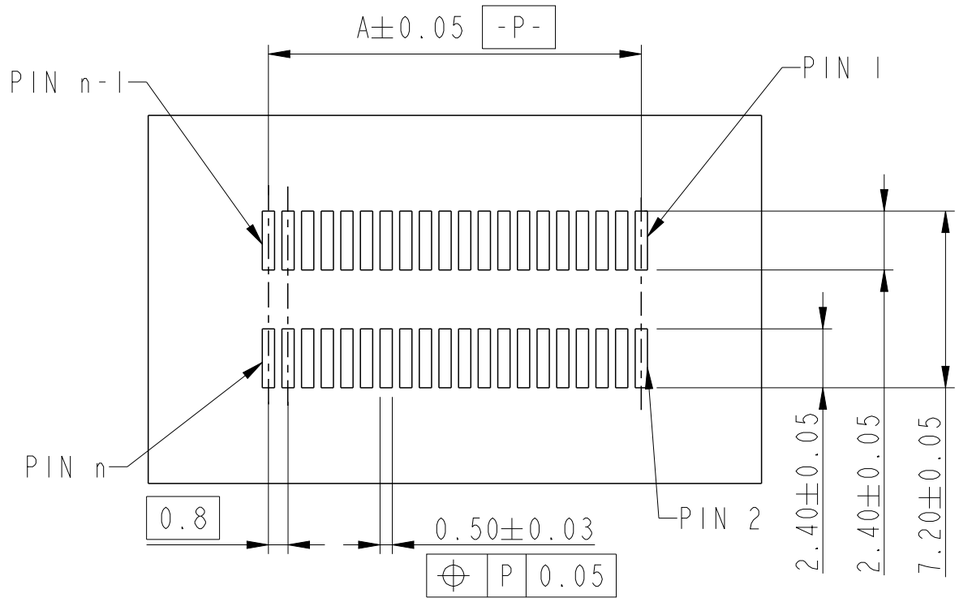
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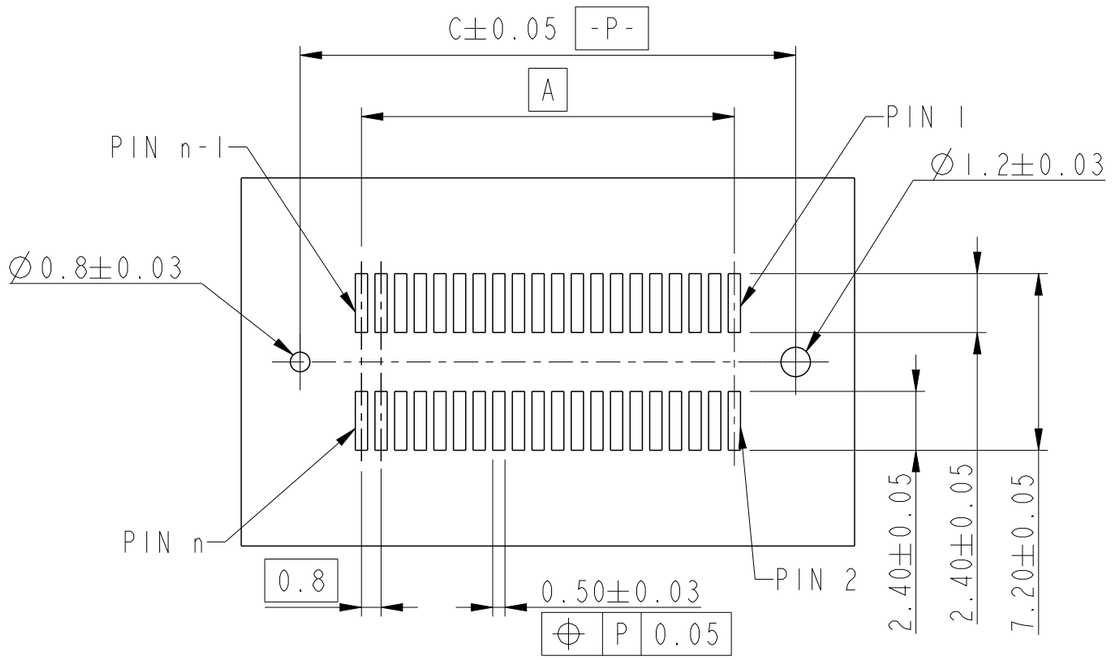
PDS: Rev :C STATUS:Released Printed: Aug 14, 2019

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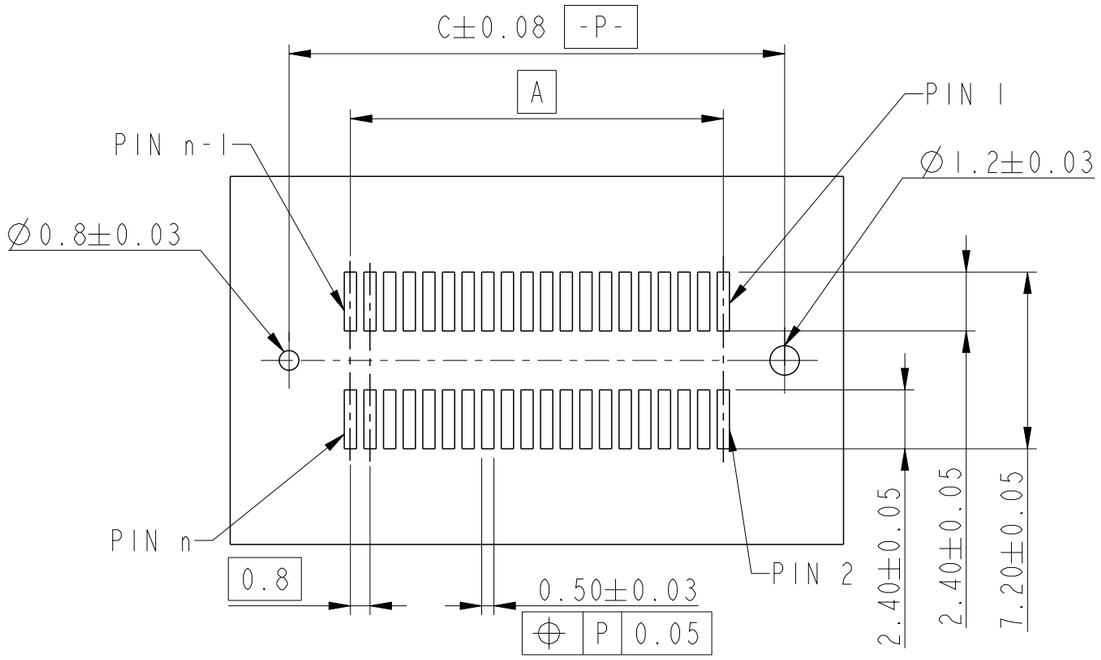
# RECEPTACLE 2 & 3 & 4




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 | Jim Meng | 2015/08/04 | projection | MM | size A3 | scale 3:1 |
| eng | Bob Gu | 2019/08/13 | | | ecn no | ELX-N-34381-1 |
| chr | - | - | | | rel level | Released |
| appr | Tim Yao | 2019/08/14 | product family | - | | |

| | | | |
|---|---|---|---|
| Amphenol FCi | title: BERGSTAK 0.8MM RECEPTACLE ASS'Y | dwg no: 10134989 | rev: C |
| www.fci.com | cat. no. - | Product - Customer Drw | sheet 7 of 7 |

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