



Copyright FCI

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61083-AA B C D E G FF

| AA | NO. OF POSITIONS |
|----|------------------|
| 02 | 2X10             |
| 04 | 2X20             |
| 06 | 2X30             |
| 08 | 2X40             |
| 10 | 2X50             |
| 12 | 2X60             |
| 14 | 2X70             |
| 16 | 2X80             |
| 18 | 2X90             |
| 20 | 2X100            |

NOTE 10

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

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

|   |                                          |
|---|------------------------------------------|
| 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) |
| 7 | T&R WITH PLASTIC CAP                     |

NOTE 10  
NOTE 10  
NOTE 11  
NOTE 10

|   |         |           |
|---|---------|-----------|
| D | FEATURE | HOLD DOWN |
| 0 | YES     | NO        |
| 2 | NO      | NO        |

NOTE:

- MATERIAL:  
HOUSING: G.F. LCP, UL94-V0  
TERMINAL: BRASS
- PLATING: AS SHOWN IN TABLE.
- SEE GS-12-547 FOR PRODUCT SPEC.
- 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° 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".
- HIGH PRECISION COPLANARITY IS AVAILABLE FOR 2X80 TO 2X100 POS, ALL HEIGHTS. PLS REFER TO PRINT 10069525.
- THE P/N 61083-\*\*\*\*\* OR 61083-\*\*\*\*\*LF NOT PRINT DATE CODE.  
THE P/N 61083-\*\*\*\*\*P OR 61083-\*\*\*\*\*PLF NEED PRINT DATE CODE.
- POSITION 2X10 TYPE ONLY APPLY TO PLUG 1.  
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
- KAPTON TAPE ONLY APPLY TO POSITION 2X10~2X20.

|   |                                                                                                                                              |      |
|---|----------------------------------------------------------------------------------------------------------------------------------------------|------|
| C | PLATING: CONTACT AREA / SOLDER TAIL AREA                                                                                                     | FF   |
| 0 | GOLD 0.2um MIN. / TIN LEAD 2.5um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um MIN                                                                 | NONE |
| 1 | GOLD FLASH (0.1um MIN) OVER<br>PALLADIUM-NICKEL 0.76um MIN / TIN LEAD 2.5um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um.                         | NONE |
| 4 | GOLD 0.2um MIN / PURE MATT TIN 2.5um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)                                             | LF   |
| 5 | GOLD 0.38um MIN / MATT PURE TIN 2.5um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um MIN (LEADFREE PLATING)                                         | LF   |
| 6 | GOLD FLASH (0.1um MIN) OVER PALLADIUM-NICKEL<br>0.76um MIN / PURE MATT TIN 2.5um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING) | LF   |
| 9 | GOLD 0.2um MIN / GOLD 0.05um MIN<br>NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING)                                                     | LF   |

|               |                                       |         |       |                |             |            |                                   |                           |        |           |         |              |     |    |
|---------------|---------------------------------------|---------|-------|----------------|-------------|------------|-----------------------------------|---------------------------|--------|-----------|---------|--------------|-----|----|
| spec ref      |                                       |         |       | dr             | Guomin Sun  | 2014-10-21 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size   | A3        | scale   | 3:1          |     |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng            | Guomin Sun  | 2014-10-21 |                                   |                           | ecn no | rel level | RELEASE |              |     |    |
|               |                                       |         |       | chr            | ZK Hu       | 2014-10-21 |                                   |                           |        |           |         |              |     |    |
|               |                                       |         |       | appr           | Feagle Pan  | 2014-10-21 |                                   |                           |        |           |         |              |     |    |
|               |                                       |         |       | product family |             |            |                                   | Bergstak                  |        |           |         |              |     |    |
| surface       | <div>✓</div>                          | linear  | 0.X   | ±0.2           | <div></div> | title      | BERGSTAK 0.8mm BTB<br>PLUG ASSY   |                           |        | dwg no    | 61083   |              | rev | AG |
|               |                                       |         | 0.XX  | ±0.15          |             |            |                                   |                           |        |           |         |              |     |    |
|               |                                       |         | 0.XXX | ±0.10          |             |            |                                   |                           |        |           |         |              |     |    |
|               |                                       | angular | 0°    | ±2°            |             |            |                                   |                           |        |           |         |              |     |    |
|               |                                       |         |       |                | www.fci.com | cat. no.   | -                                 | Product - Customer drw    |        |           |         | sheet 1 of 6 |     |    |

BERGSTAK 0.8mm BTB  
PLUG ASSY

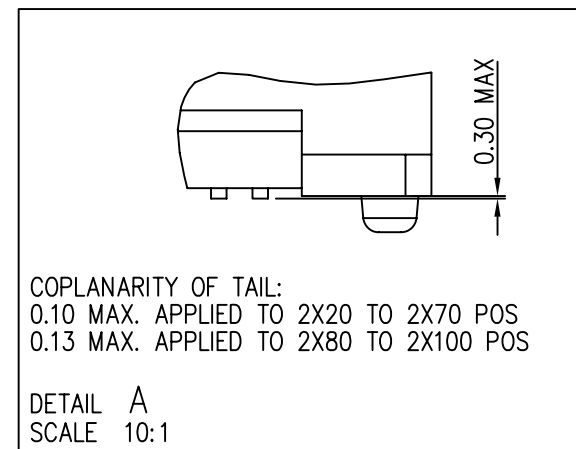
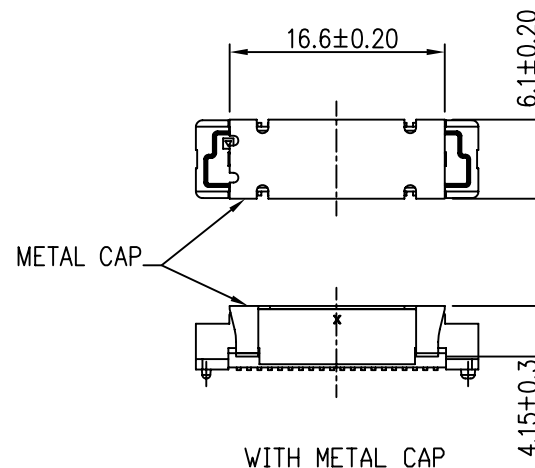
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| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-021*** | 2X10            | 7.2       | 13.8 | 12.2 |
| 61083-041*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-061*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 61083-081*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 61083-101*** | 2X50            | 39.2      | 45.8 | 44.2 |
| 61083-121*** | 2X60            | 47.2      | 53.8 | 52.2 |
| 61083-141*** | 2X70            | 55.2      | 61.8 | 60.2 |
| 61083-161*** | 2X80            | 63.2      | 69.8 | 68.2 |
| 61083-181*** | 2X90            | 71.2      | 77.8 | 76.2 |
| 61083-201*** | 2X100           | 79.2      | 85.8 | 84.2 |

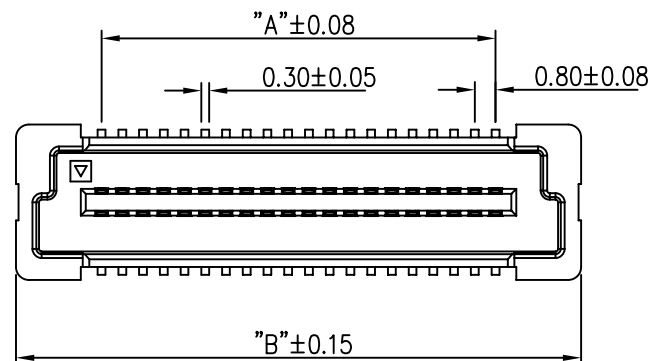


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A

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B



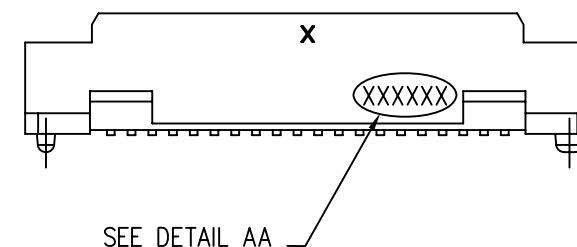
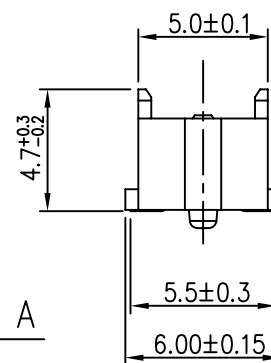
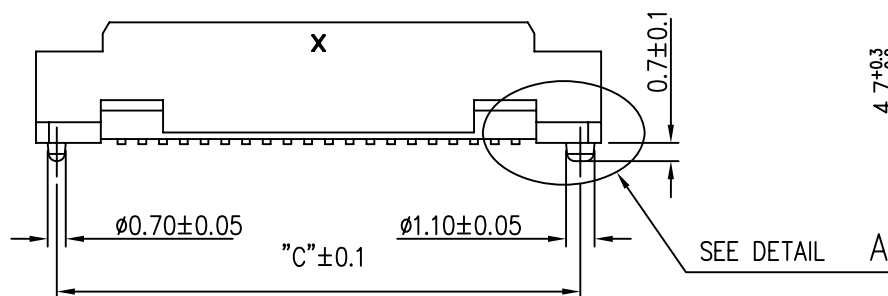
DATE CODE: XXXXXX

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

DETAIL AA

C

C



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PLUG 1

|                                                                                       |            |            |                                                                                       |                                                                                       |                                 |    |              |     |
|---------------------------------------------------------------------------------------|------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|----|--------------|-----|
| dr                                                                                    | Guomin Sun | 2014-10-21 |  |  | size                            | A3 | scale        | 3:1 |
| eng                                                                                   | Guomin Sun | 2014-10-21 |                                                                                       |                                                                                       | ecn no                          |    |              |     |
| chr                                                                                   | ZK Hu      | 2014-10-21 |                                                                                       |                                                                                       | rel level                       |    |              |     |
| appr                                                                                  | Feagle Pan | 2014-10-21 | product family                                                                        | Bergstak                                                                              | RELEASE                         |    |              |     |
|  |            | title      |                                                                                       |                                                                                       | BERGSTAK 0.8mm BTB<br>PLUG ASSY |    | rev          |     |
| www.fci.com                                                                           |            | cat. no.   | -                                                                                     | Product - Customer drw                                                                |                                 |    | sheet 2 of 6 |     |
|                                                                                       |            |            |                                                                                       |                                                                                       | 61083                           |    | AG           |     |

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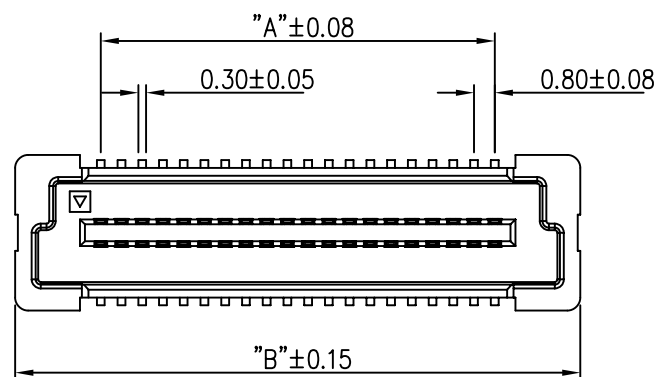
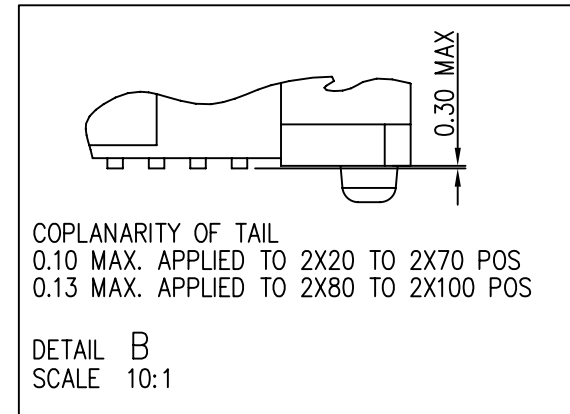
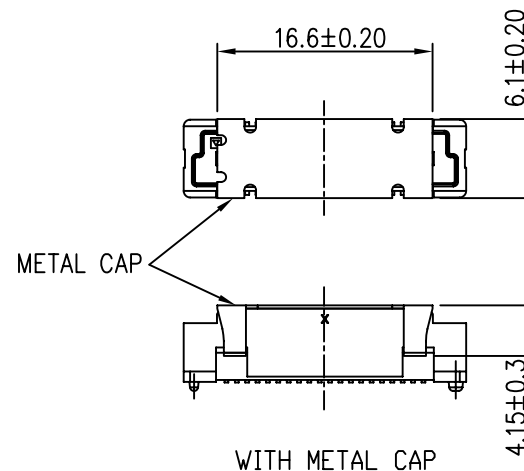
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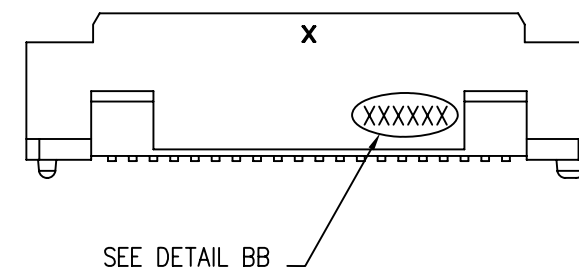
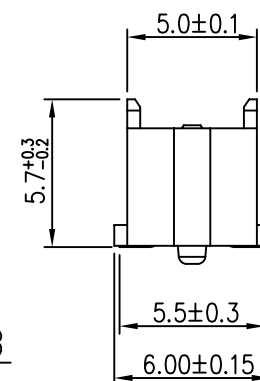
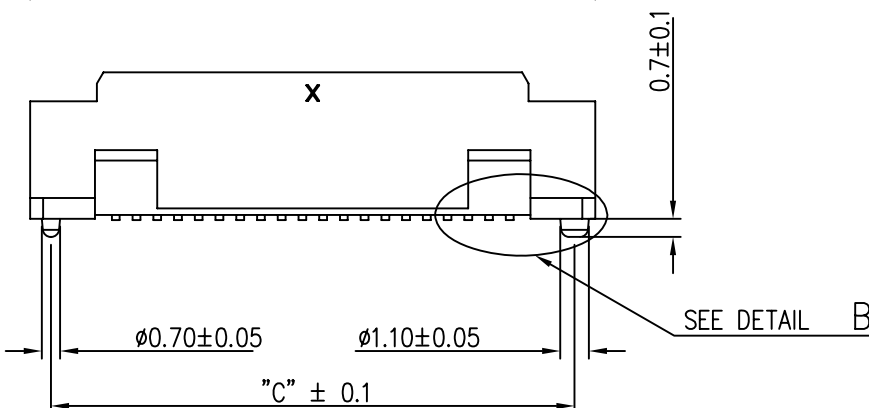
| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-042*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-062*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 61083-082*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 61083-102*** | 2X50            | 39.2      | 45.8 | 44.2 |
| 61083-122*** | 2X60            | 47.2      | 53.8 | 52.2 |
| 61083-142*** | 2X70            | 55.2      | 61.8 | 60.2 |
| 61083-162*** | 2X80            | 63.2      | 69.8 | 68.2 |
| 61083-182*** | 2X90            | 71.2      | 77.8 | 76.2 |
| 61083-202*** | 2X100           | 79.2      | 85.8 | 84.2 |



DATE CODE: XXXXXX

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

DETAIL BB



PLUG 2

|             |            |            |            |                    |                |                        |           |              |
|-------------|------------|------------|------------|--------------------|----------------|------------------------|-----------|--------------|
| dr          | Guomin Sun | 2014-10-21 | projection | mm                 | size           | A3                     | scale     | 3:1          |
| eng         | Guomin Sun | 2014-10-21 |            |                    | ecn no         |                        |           |              |
| chr         | ZK Hu      | 2014-10-21 |            |                    | product family | Bergstak               | rel level | RELEASE      |
| appr        | Feagle Pan | 2014-10-21 |            |                    |                |                        |           |              |
| FCI         |            | title      |            | BERGSTAK 0.8mm BTB |                | dwg no                 |           | 61083        |
| www.fci.com |            | cat. no.   |            | -                  |                | Product - Customer drw |           | sheet 3 of 6 |
|             |            |            |            |                    |                |                        |           | rev          |
|             |            |            |            |                    |                |                        |           | AG           |

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PDS: Rev :AG

STATUS:Released

Printed: Nov 05, 2014



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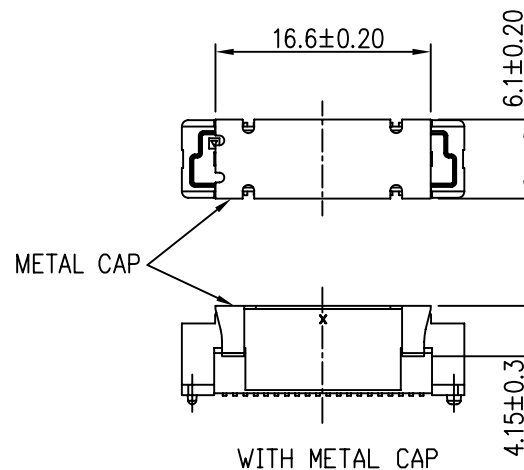
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| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-043*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-063*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 61083-083*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 61083-103*** | 2X50            | 39.2      | 45.8 | 44.2 |
| 61083-123*** | 2X60            | 47.2      | 53.8 | 52.2 |
| 61083-143*** | 2X70            | 55.2      | 61.8 | 60.2 |
| 61083-163*** | 2X80            | 63.2      | 69.8 | 68.2 |
| 61083-183*** | 2X90            | 71.2      | 77.8 | 76.2 |
| 61083-203*** | 2X100           | 79.2      | 85.8 | 84.2 |



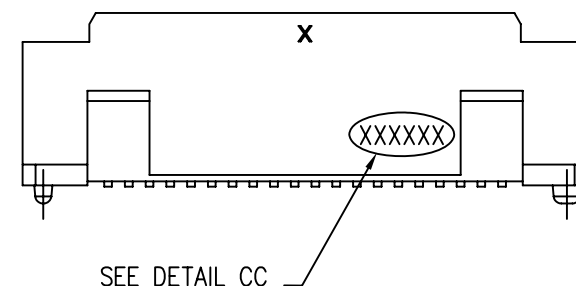
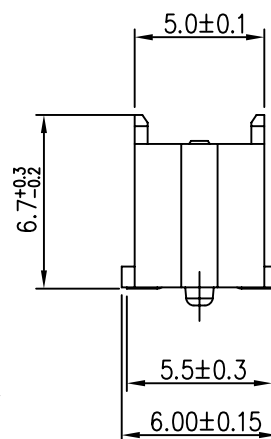
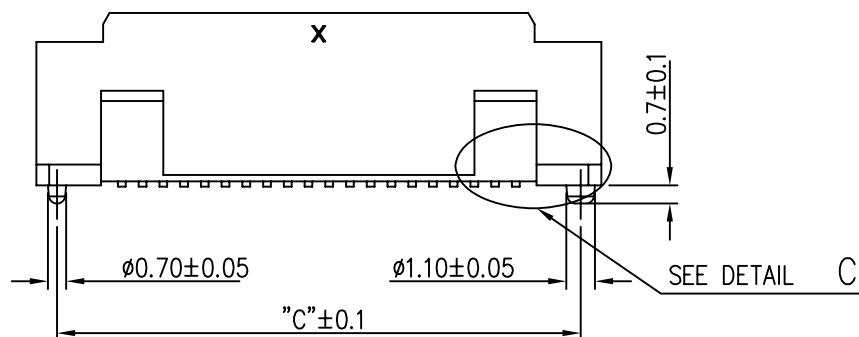
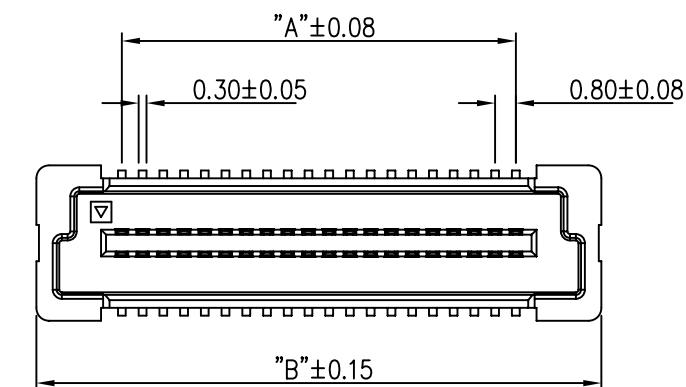
COPLANARITY OF TAIL:  
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS  
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C  
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL CC



PLUG 3

|             |            |                        |                |          |                    |    |       |         |
|-------------|------------|------------------------|----------------|----------|--------------------|----|-------|---------|
| dr          | Guomin Sun | 2014-10-21             | projection     | mm       | size               | A3 | scale | 3:1     |
| eng         | Guomin Sun | 2014-10-21             |                |          | ecn no             |    |       |         |
| chr         | ZK Hu      | 2014-10-21             |                |          | rel level          |    |       |         |
| appr        | Feagle Pan | 2014-10-21             | product family | Bergstak |                    |    |       | RELEASE |
| FCi         |            | title                  |                |          | BERGSTAK 0.8mm BTB |    | rev   |         |
| www.fci.com |            | cat. no.               |                |          | 61083              |    | AG    |         |
|             |            | Product - Customer drw |                |          | sheet 4 of 6       |    |       |         |

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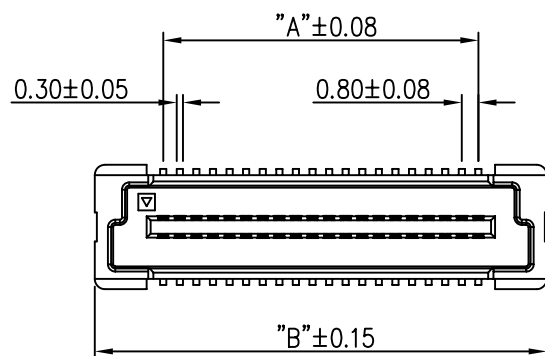
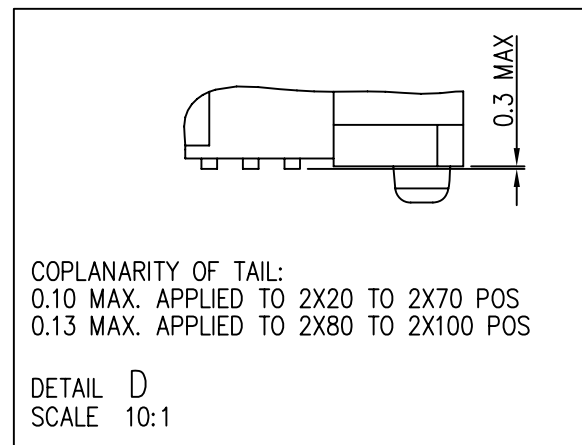
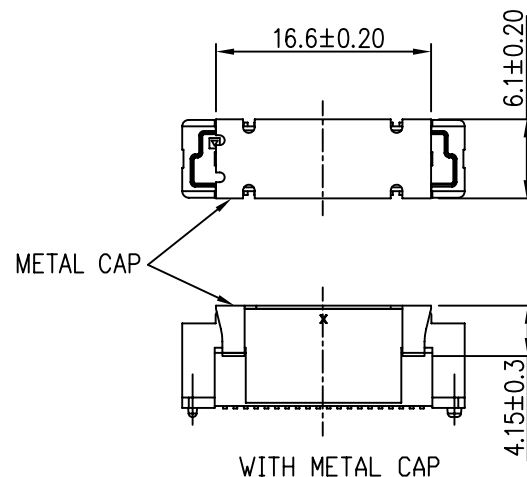
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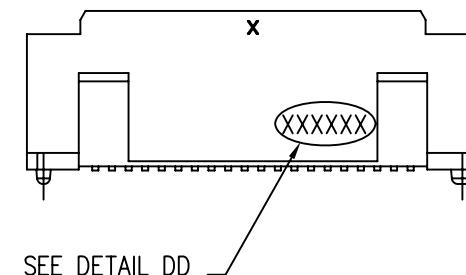
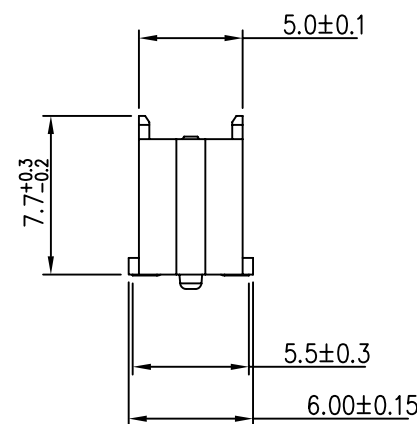
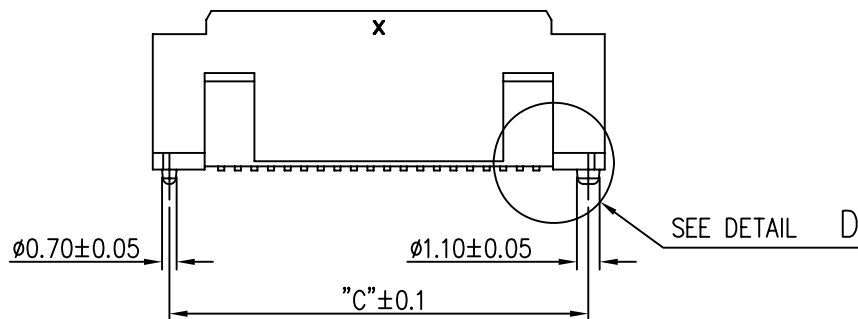
| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-044*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-064*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 61083-084*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 61083-104*** | 2X50            | 39.2      | 45.8 | 44.2 |
| 61083-124*** | 2X60            | 47.2      | 53.8 | 52.2 |
| 61083-144*** | 2X70            | 55.2      | 61.8 | 60.2 |
| 61083-164*** | 2X80            | 63.2      | 69.8 | 68.2 |
| 61083-184*** | 2X90            | 71.2      | 77.8 | 76.2 |
| 61083-204*** | 2X100           | 79.2      | 85.8 | 84.2 |



DATE CODE: XXXXXX

DAY<01~31>  
MONTH<01~12>  
YEAR<00~99>

DETAIL DD



PLUG 4

|             |            |            |                |                    |           |                        |       |              |
|-------------|------------|------------|----------------|--------------------|-----------|------------------------|-------|--------------|
| dr          | Guomin Sun | 2014-10-21 | projection     | mm                 | size      | A3                     | scale | 3:1          |
| eng         | Guomin Sun | 2014-10-21 |                |                    | ecn no    |                        |       |              |
| chr         | ZK Hu      | 2014-10-21 |                |                    | rel level |                        |       |              |
| appr        | Feagle Pan | 2014-10-21 | product family | Bergstak           |           |                        |       | RELEASE      |
| FCi         |            | title      |                | BERGSTAK 0.8mm BTB |           | dwg no                 |       | 61083        |
| www.fci.com |            | cat. no.   |                | -                  |           | Product - Customer drw |       | sheet 5 of 6 |
|             |            |            |                |                    |           |                        |       | rev          |
|             |            |            |                |                    |           |                        |       | AG           |

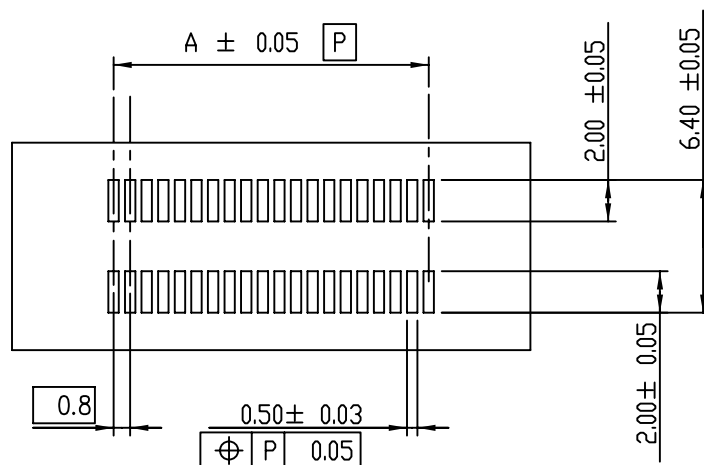
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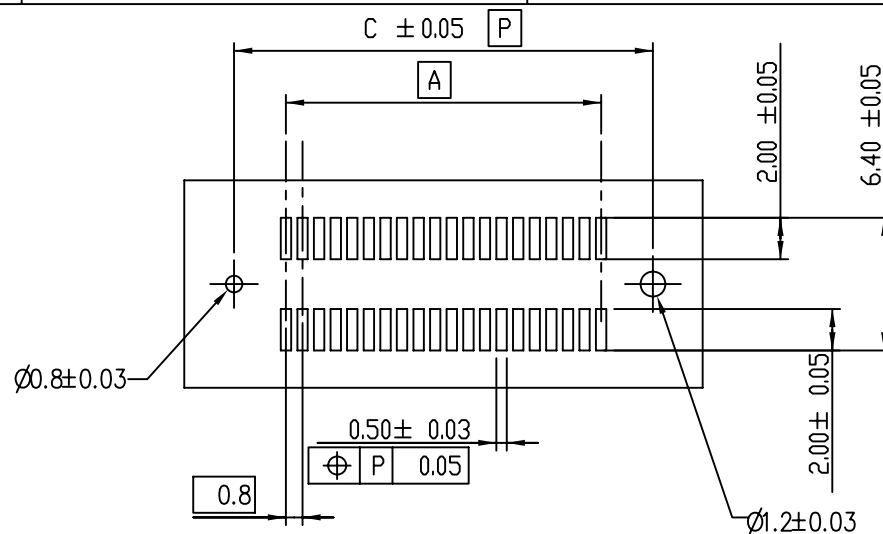
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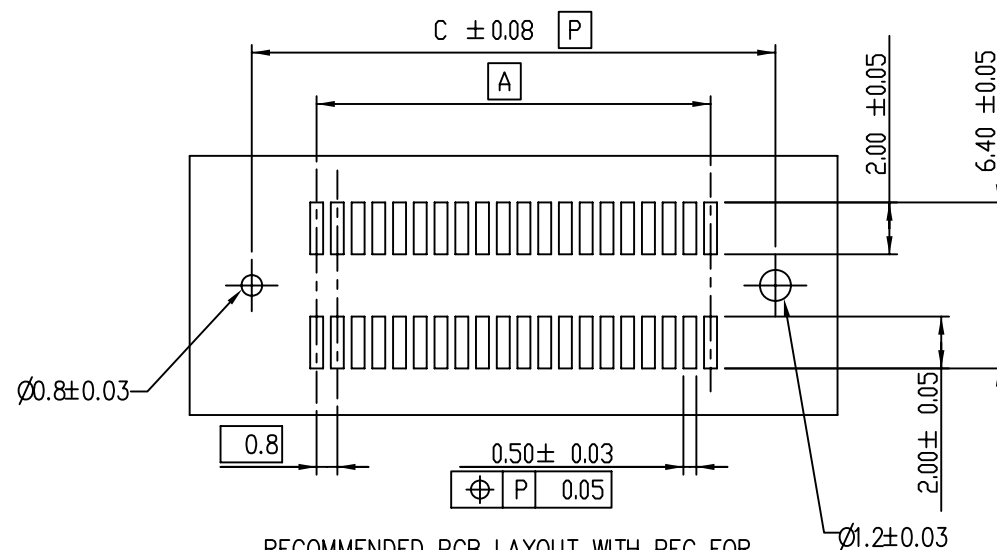
FOR PLUG 1/2/3/4



RECOMMENDED PCB LAYOUT WITHOUT PEG AND HOLDDOWN FOR  
NO. OF POS 2X20, 2X30, 2X40, 2X50 2X60



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



RECOMMENDED PCB LAYOUT WITH PEG FOR  
NO. OF POS 2X70, 2X80, 2X90, 2X100

|                                                                                                  |            |            |                                                                                                                                                                                                                                                 |          |                        |                    |     |        |              |     |    |
|--------------------------------------------------------------------------------------------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|--------------------|-----|--------|--------------|-----|----|
| dr                                                                                               | Guomin Sun | 2014-10-21 | <div>projection</div> <div></div> <div><div>mm</div><div></div></div> | size     | A3                     | scale              | 3:1 |        |              |     |    |
| eng                                                                                              | Guomin Sun | 2014-10-21 |                                                                                                                                                                                                                                                 | ecn no   | rel level              | RELEASE            |     |        |              |     |    |
| chr                                                                                              | ZK Hu      | 2014-10-21 |                                                                                                                                                                                                                                                 |          |                        |                    |     |        |              |     |    |
| appr                                                                                             | Feagle Pan | 2014-10-21 | product family                                                                                                                                                                                                                                  | Bergstak | -                      |                    |     |        |              |     |    |
| <div></div> |            |            | title                                                                                                                                                                                                                                           |          |                        | BERGSTAK 0.8mm BTB |     | dwg no | 61083        | rev | A0 |
|                                                                                                  |            |            | PLUG ASSY                                                                                                                                                                                                                                       |          |                        |                    |     |        |              |     |    |
| www.fci.com                                                                                      |            |            | cat. no.                                                                                                                                                                                                                                        | -        | Product - Customer drw |                    |     |        | sheet 6 of 6 |     |    |