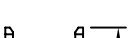
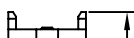
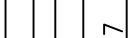


| D | FEATURE | HOLD DOWN |
|---|---------|-----------|
| 0 | YES     | NO        |
| 2 | NO      | NO        |

NOTE 10

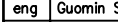
| B                                                                                 |                                                                                   |                                                                                    |                                              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

FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 61082

NOTE:

1. MATERIAL:  
HOUSING: G.F. LCP, UL94-V0  
TERMINAL: BRASS
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 61083-\*\*\*\*\* OR 61083-\*\*\*\*\*LF NOT PRINT DATE CODE.  
THE P/N 61083-\*\*\*\*\*P OR 61083-\*\*\*\*\*PLF NEED PRINT DATE CODE.
10. POSITION 2X10 TYPE ONLY APPLY TO PLUG 1.  
PACKAGING WITH METAL CAP AND PLASTIC CAP DOES NOT APPLY TO 2X10 POSITION.
11. 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                                                                            |  | projection                                                                            |  | mm                                                                                    |  | size                   |  | A3           |  | scale   |  | 3:1 |  |
| tolerance std                                                                               |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng   |  | Guomin Sun |  | 2014-10-21                                                                            |  |  |  |  |  | ecn no                 |  |              |  |         |  |     |  |
|                                                                                             |  |                                       |  | chr   |  | ZK Hu      |  | 2014-10-21                                                                            |  |                                                                                       |  |                                                                                       |  |                        |  |              |  |         |  |     |  |
|                                                                                             |  |                                       |  | appr  |  | Feagle Pan |  | 2014-10-21                                                                            |  |                                                                                       |  |                                                                                       |  |                        |  |              |  |         |  |     |  |
|                                                                                             |  |                                       |  |       |  |            |  |                                                                                       |  | product family                                                                        |  | Bergstak                                                                              |  | -                      |  | rel level    |  | RELEASE |  |     |  |
| surface  |  | linear                                |  | 0.X   |  | ±0.2       |  |  |  | title                                                                                 |  | BERGSTAK 0.8mm BTB                                                                    |  | 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 |  |         |  |     |  |

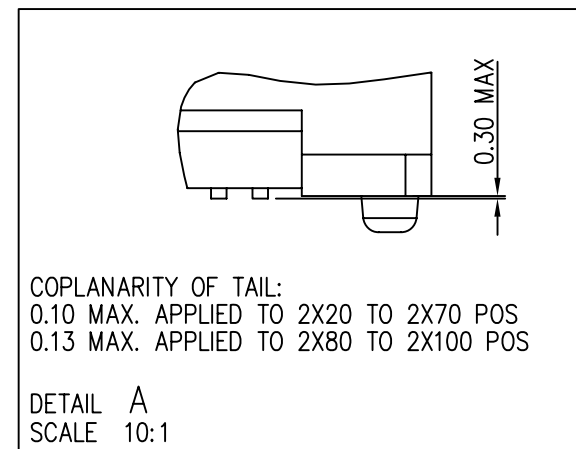
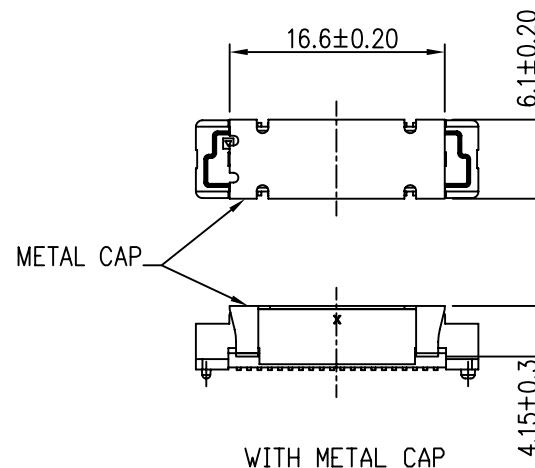
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4

| 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 |

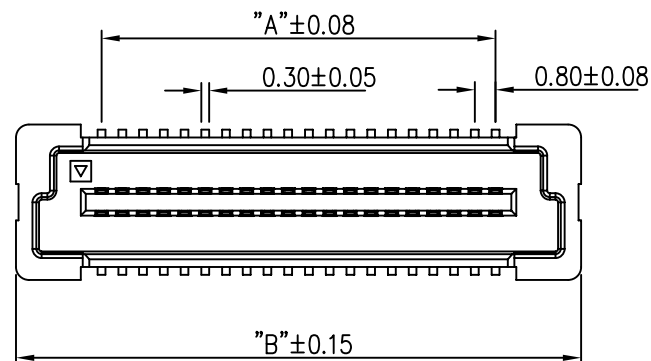


A

A

B

B



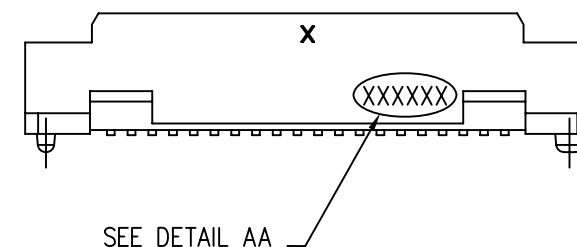
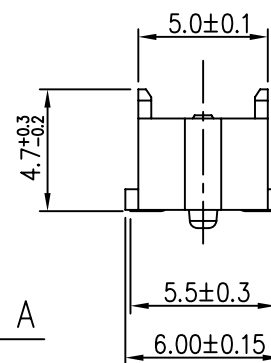
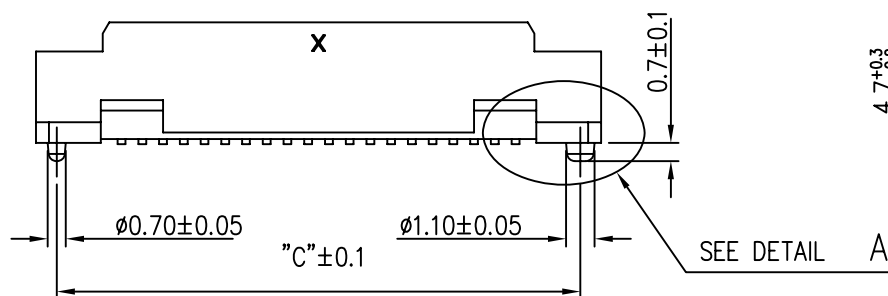
DATE CODE: XXXXXX

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

DETAIL AA

C

C



PLUG 1

|                                                                                                  |            |            |                                                                                                                        |                                                                                                                |                    |           |              |       |
|--------------------------------------------------------------------------------------------------|------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------|-----------|--------------|-------|
| dr                                                                                               | Guomin Sun | 2014-10-21 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size               | A3        | scale        | 3:1   |
| eng                                                                                              | Guomin Sun | 2014-10-21 |                                                                                                                        |                                                                                                                | ecn no             | RELEASE   |              |       |
| chr                                                                                              | ZK Hu      | 2014-10-21 |                                                                                                                        |                                                                                                                |                    |           |              |       |
| appr                                                                                             | Feagle Pan | 2014-10-21 | product family                                                                                                         | Bergstak                                                                                                       | -                  | rel level |              |       |
| <div></div> |            | title      |                                                                                                                        |                                                                                                                | BERGSTAK 0.8mm BTB |           | dwg no       | 61083 |
|                                                                                                  |            | PLUG ASSY  |                                                                                                                        |                                                                                                                |                    |           | rev          | A0    |
| www.fci.com                                                                                      | cat. no.   | -          | Product - Customer drw                                                                                                 |                                                                                                                |                    |           | sheet 2 of 6 |       |

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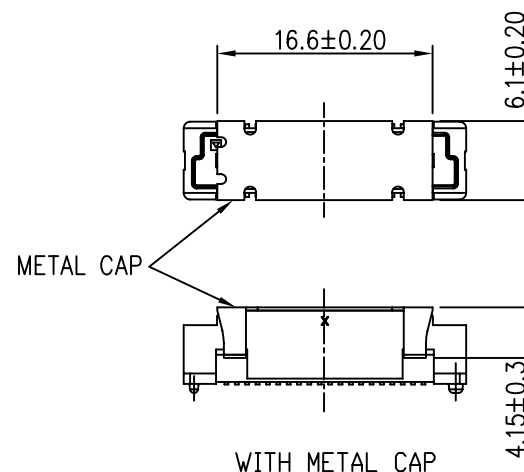
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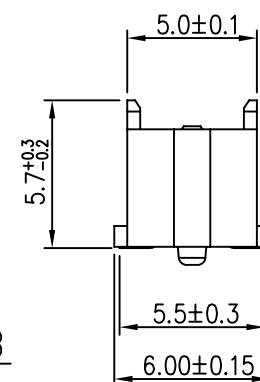
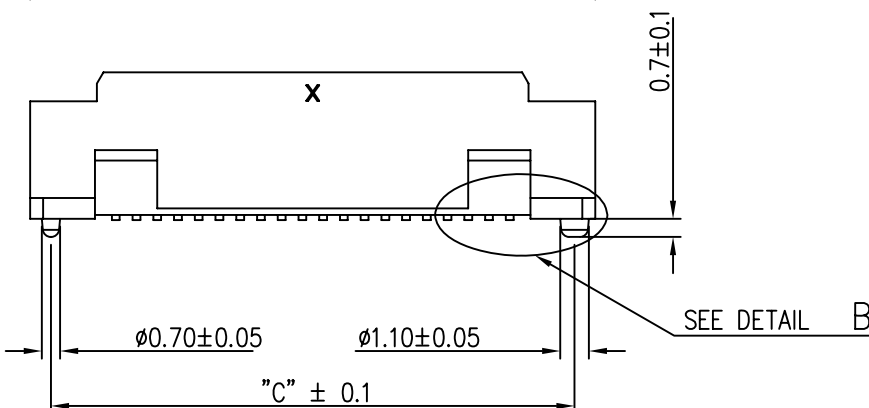
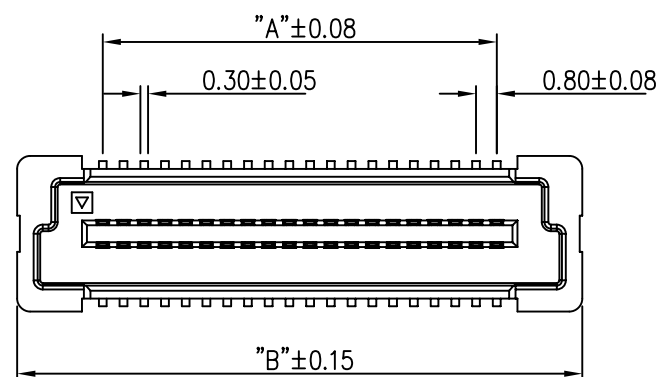
4

| 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 |



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

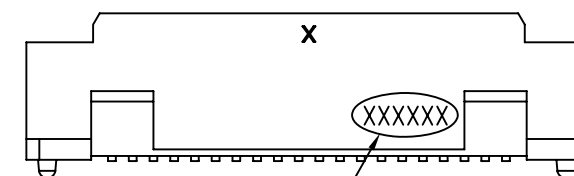
DETAIL B  
SCALE 10:1



DATE CODE: XXXXXX

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

DETAIL BB



SEE DETAIL BB

PLUG 2

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

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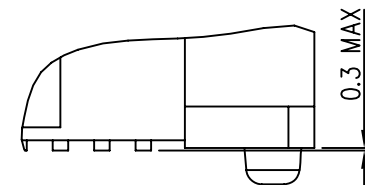
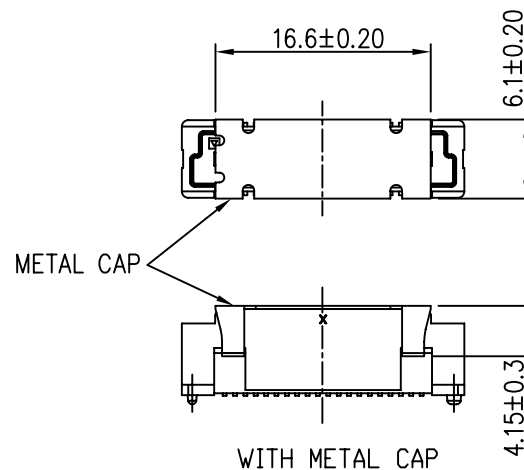
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| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-043*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-063*** | 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 |



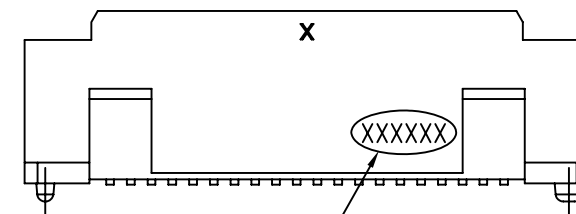
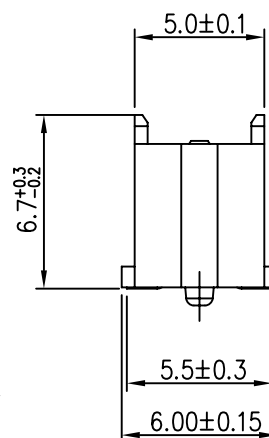
COPLANARITY OF TAIL:  
0.10 MAX. APPLIED TO 2X20 TO 2X70 POS  
0.13 MAX. APPLIED TO 2X80 TO 2X100 POS

DETAIL C  
SCALE 10:1

DATE CODE: XXXXXX

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

DETAIL CC



SEE DETAIL CC

PLUG 3

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

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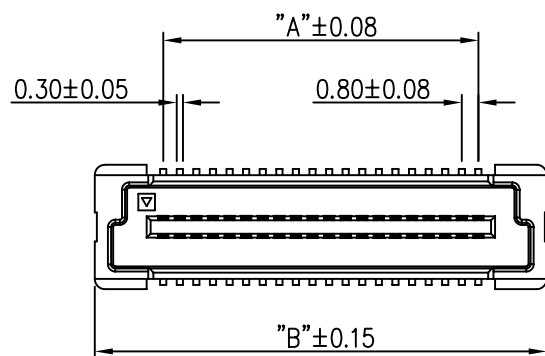
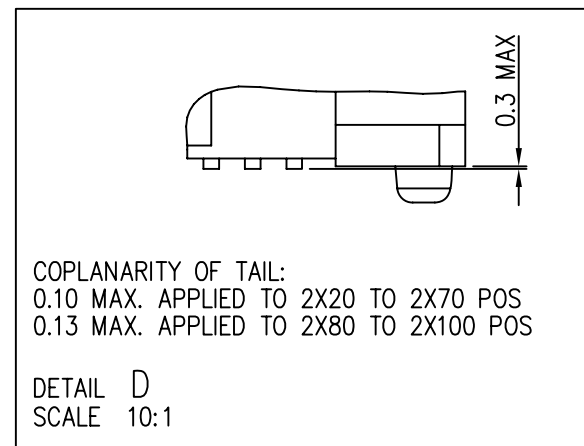
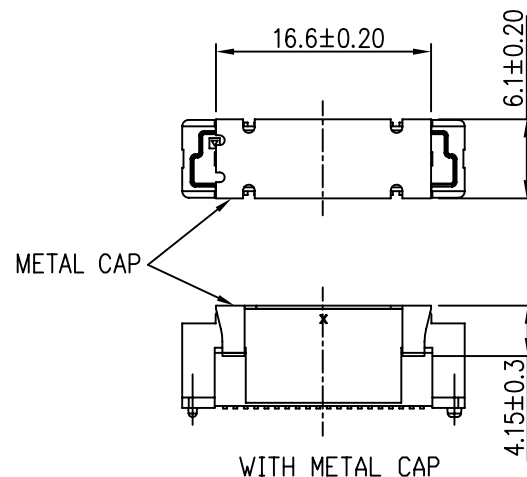
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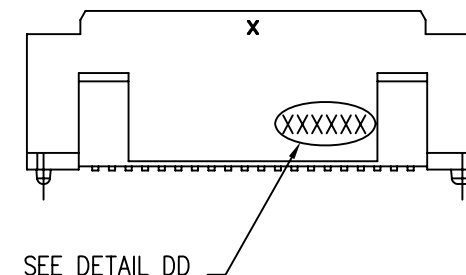
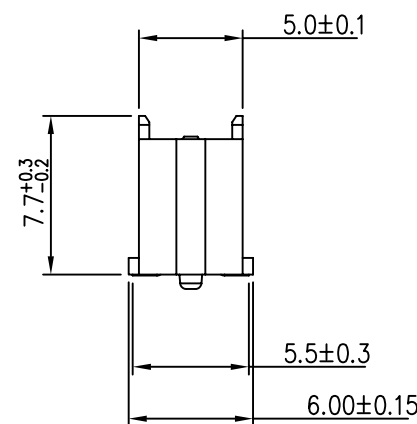
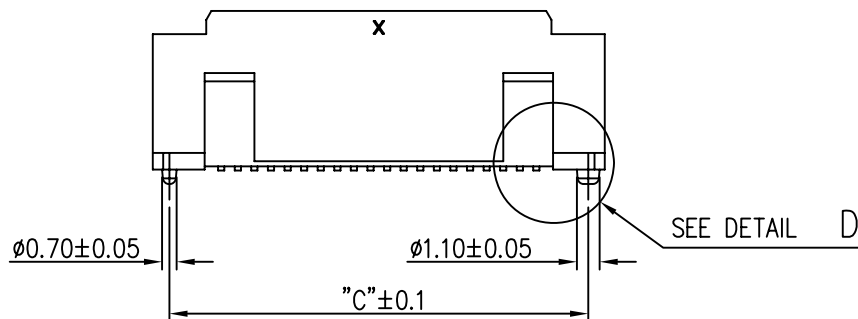
| PRODUCT NO.  | NO. OF POSITION | DIMENSION |      |      |
|--------------|-----------------|-----------|------|------|
|              |                 | A         | B    | C    |
| 61083-044*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 61083-064*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 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           |

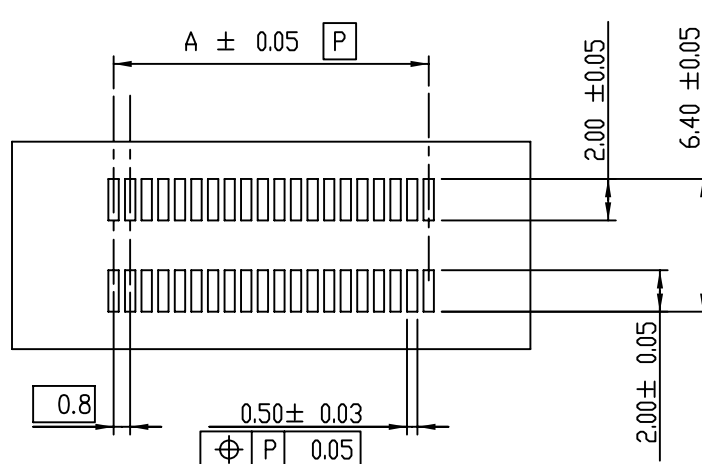
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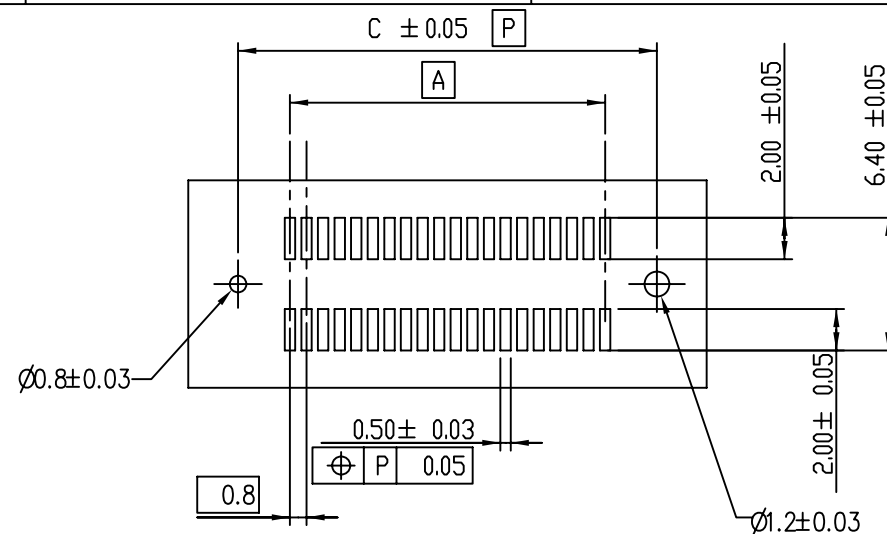
3

4

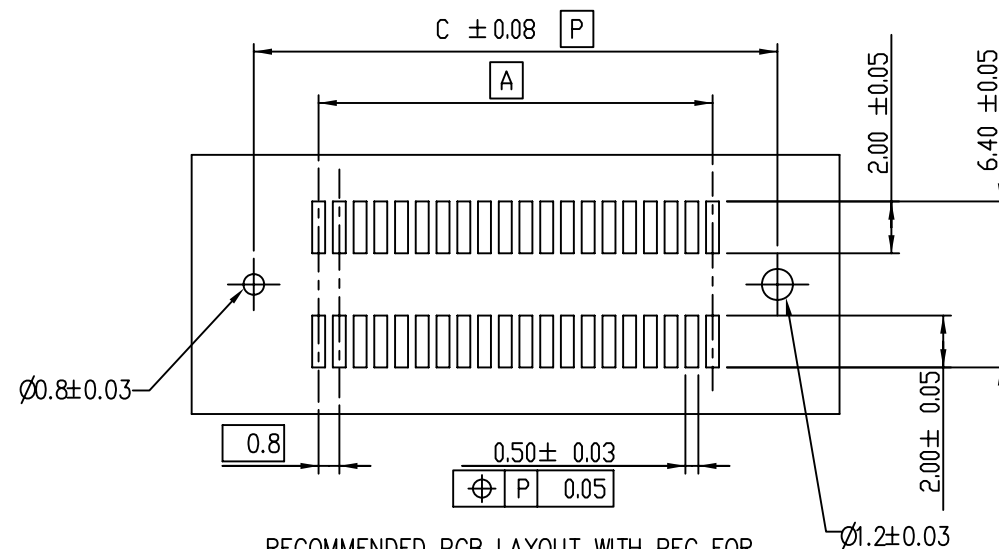
FOR PLUG 1/2/3/4



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