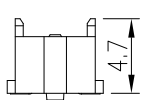
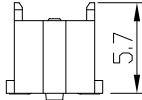
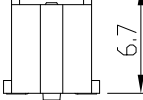
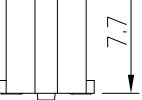


10144518- AA B C D E FF

| AA | NO. OF POSITIONS |
|----|------------------|
| 04 | 2X20             |
| 06 | 2X30             |
| 08 | 2X40             |
| 10 | 2X50             |

| E | PACKAGING          |
|---|--------------------|
| 2 | T&R WITH METAL CAP |
| 3 | T&R WITHOUTL CAP   |

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

| B                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 1                                                                                 | 2                                                                                 | 3                                                                                 | 4                                                                                  |
|  |  |  |  |
| FOR COMBINATION OF MATED HEIGHT, SEE DWG. NO. 10144517                            |                                                                                   |                                                                                   |                                                                                    |

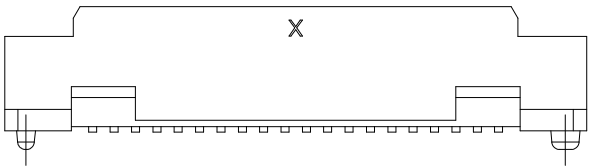
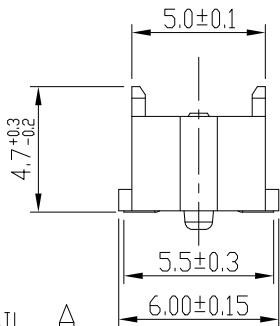
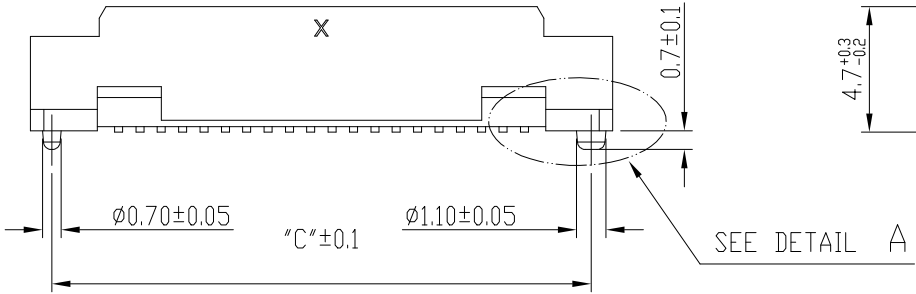
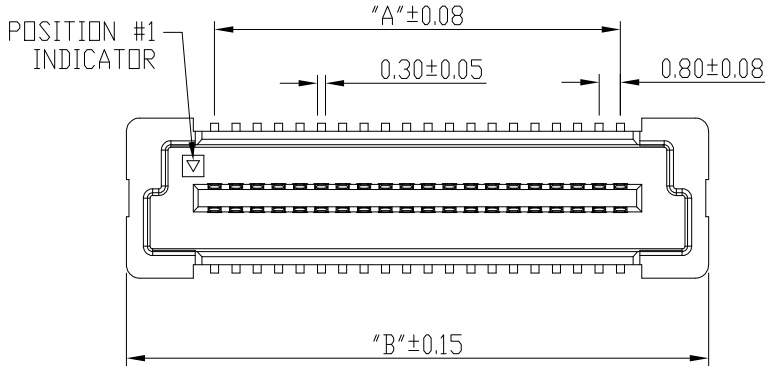
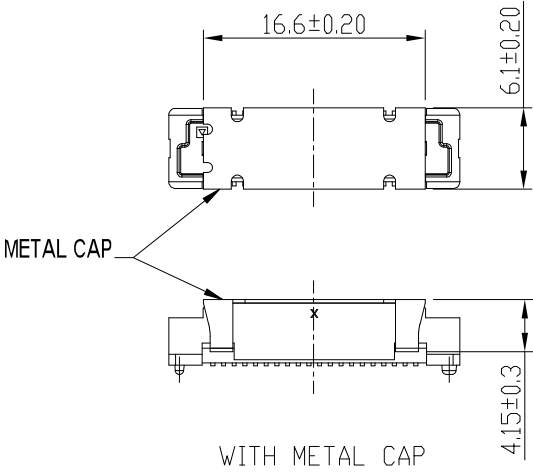
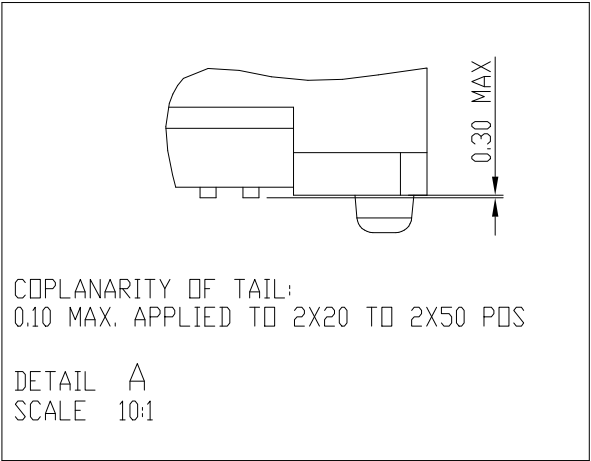
| C | PLATING                                                                                                                         | FF |
|---|---------------------------------------------------------------------------------------------------------------------------------|----|
| 8 | GOLD FLASH ON CONTACT AREA ;<br>PURE MATT TIN 2.5um MIN ON SOLDER<br>TAIL; NICKEL UNDERPLATE OVERALL 1.27um. (LEADFREE PLATING) | LF |

NOTE:

1. MATERIAL:  
HOUSING: G.F. LCP, NATURAL, UL94-V0  
TERMINAL: COPPER ALLOY
2. PLATING: AS SHOWN IN TABLE.
3. SEE GS-12-1424 FOR PRODUCT SPEC.
4. THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THE HOUSING WILL WITHSTAND EXPOSURE UP TO 260~ PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

|             |             |     |          |                                       |                               |                    |                             |
|-------------|-------------|-----|----------|---------------------------------------|-------------------------------|--------------------|-----------------------------|
| mat'l. code |             |     |          | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406 ISO 1101 | projection<br>1101 | product family<br>BERGSTAK  |
| ltr         | ecn no      | dr  | date     | tolerances unless otherwise specified |                               | mm                 | title                       |
| A           |             | Bob | 07/05/16 | angles                                | .0±.2                         | mm<br>scale 1:1    | PLUG ASSY<br>BERGSTAK 0.8MM |
| B           | ELX-N-28149 | Bob | 10/13/17 | linear                                | .00±.15                       |                    |                             |
|             |             |     |          | 0°±3°                                 | .000±.10                      |                    |                             |
|             |             |     |          | dr                                    | Bob Gu                        | 07/05/17           | dwg no                      |
|             |             |     |          | engr                                  | Bob Gu                        | 07/05/17           | sheet 1 of 6                |
|             |             |     |          | chr                                   | LQ Lei                        | 07/05/17           | size                        |
|             |             |     |          | appd                                  | Tim Yao                       | 07/05/17           | A3                          |
| sheet index | revision    | A   | B        |                                       |                               |                    | type                        |
|             | sheet       | 1~6 | 1~6      |                                       |                               |                    | Product Customer Drawing    |

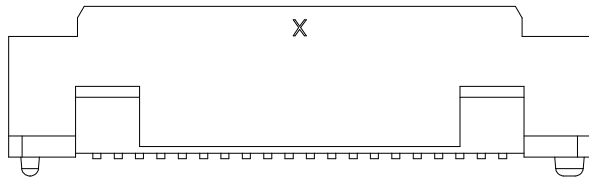
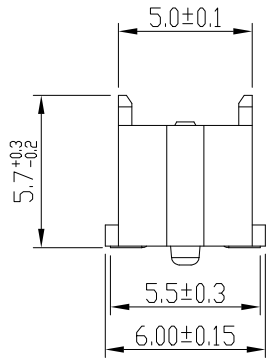
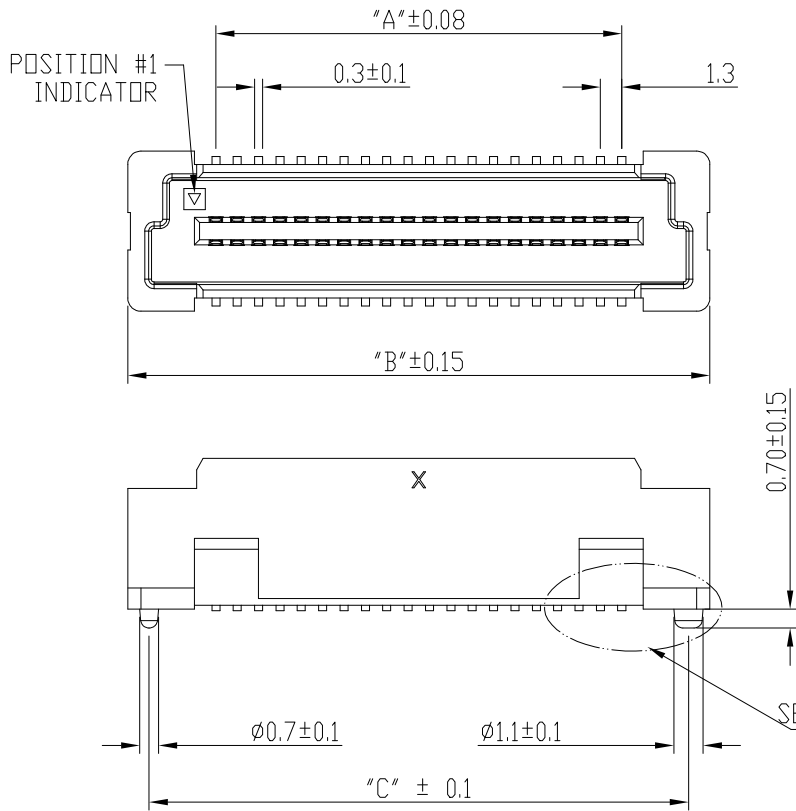
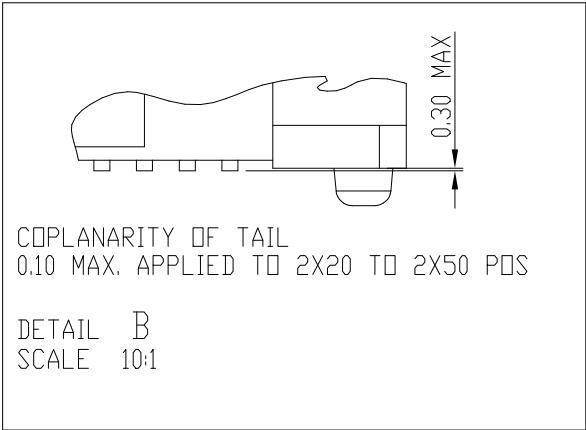
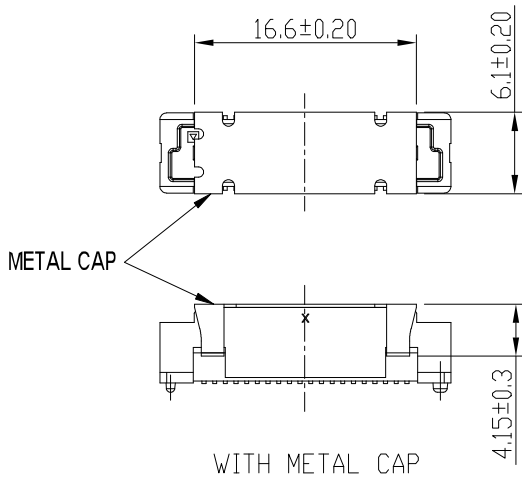
| PRODUCT NO.     | NO. OF POSITION | DIMENSION |      |      |
|-----------------|-----------------|-----------|------|------|
|                 |                 | A         | B    | C    |
| 10144518-041*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 10144518-061*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 10144518-081*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 10144518-101*** | 2X50            | 39.2      | 45.8 | 44.2 |



PLUG 1

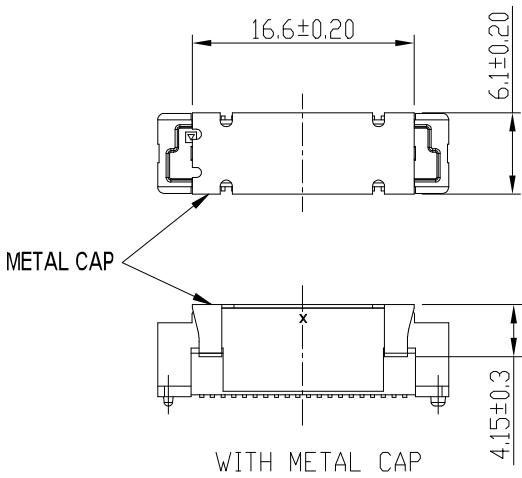
|             |          |     |     |         |          |           |                                       |          |            |                          |
|-------------|----------|-----|-----|---------|----------|-----------|---------------------------------------|----------|------------|--------------------------|
| mat'l. code |          |     |     | surface | ISO 1302 | tolerance | ISO 406                               | ISO 1101 | projection | product family           |
| ltr         |          |     |     | ecn no  | dr       | date      | tolerances unless otherwise specified |          |            | BERGSTAK                 |
| B           |          |     |     |         |          |           | angles                                | linear   |            | title                    |
|             |          |     |     |         |          |           | 0°±3'                                 |          | mm         | PLUG ASSY                |
|             |          |     |     |         |          |           |                                       |          |            | BERGSTAK 0.8MM           |
|             |          |     |     |         |          |           |                                       |          |            | dwg no                   |
|             |          |     |     |         |          |           |                                       |          |            | 10144518                 |
|             |          |     |     |         |          |           |                                       |          |            | sheet2 of 6              |
|             |          |     |     |         |          |           |                                       |          |            | size                     |
|             |          |     |     |         |          |           |                                       |          |            | A3                       |
|             |          |     |     |         |          |           |                                       |          |            | type                     |
|             |          |     |     |         |          |           |                                       |          |            | Product Customer Drawing |
| sheet index | revision | A   | B   |         |          |           |                                       |          |            |                          |
|             | sheet    | 1~6 | 1~6 |         |          |           |                                       |          |            |                          |

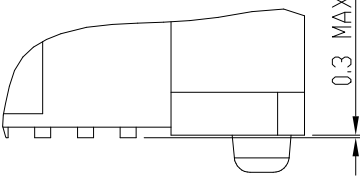
| PRODUCT NO.     | NO. OF POSITION | DIMENSION |      |      |
|-----------------|-----------------|-----------|------|------|
|                 |                 | A         | B    | C    |
| 10144518-042*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 10144518-062*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 10144518-082*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 10144518-102*** | 2X50            | 39.2      | 45.8 | 44.2 |



|             |                |    |    |         |                                       |         |           |         |          |            |                               |  |             |      |
|-------------|----------------|----|----|---------|---------------------------------------|---------|-----------|---------|----------|------------|-------------------------------|--|-------------|------|
| mat'l. code |                |    |    | surface | ISO 1302                              | ✓       | tolerance | ISO 406 | ISO 1101 | projection | product family                |  |             |      |
| ltr         | ecn            | no | dr | date    | tolerances unless otherwise specified |         | linear    |         | mm       | mm         | title                         |  |             |      |
| B           |                |    |    |         | angles                                |         |           |         |          |            | PLUG ASSY                     |  |             |      |
|             |                |    |    |         | 0°±3'                                 |         |           |         |          | scale 1:1  | BERGSTAK 0.8MM                |  |             |      |
|             |                |    |    |         | dr                                    | Bob Gu  | 07/05/17  |         |          |            | dwg no                        |  | sheet3 of 6 | size |
|             |                |    |    |         | enr                                   | Bob Gu  | 07/05/17  |         |          |            | 10144518                      |  |             | A3   |
|             |                |    |    |         | chr                                   | LQ Lei  | 07/05/17  |         |          |            | type Product Customer Drawing |  |             |      |
|             |                |    |    |         | appd                                  | Tim Yao | 07/05/17  |         |          |            |                               |  |             |      |
| sheet index | revision sheet | A  | B  | 1~6     | 1~6                                   |         |           |         |          |            |                               |  |             |      |

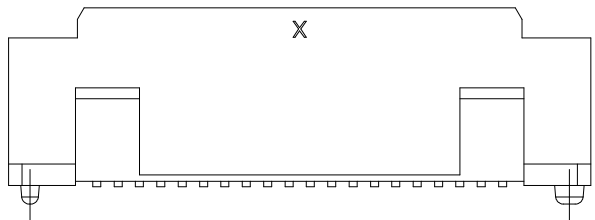
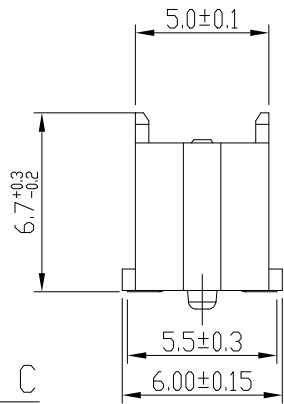
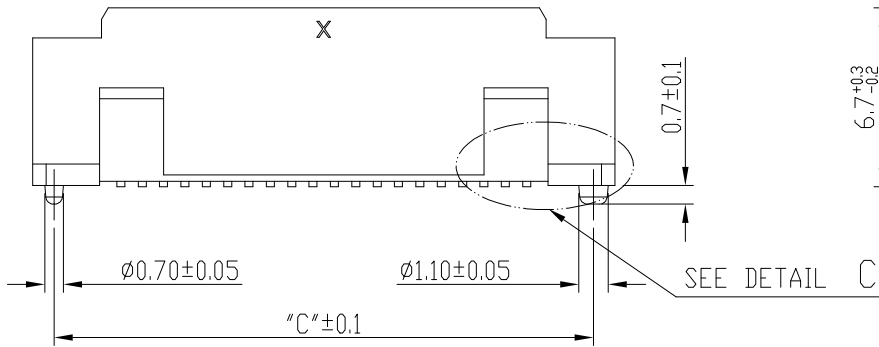
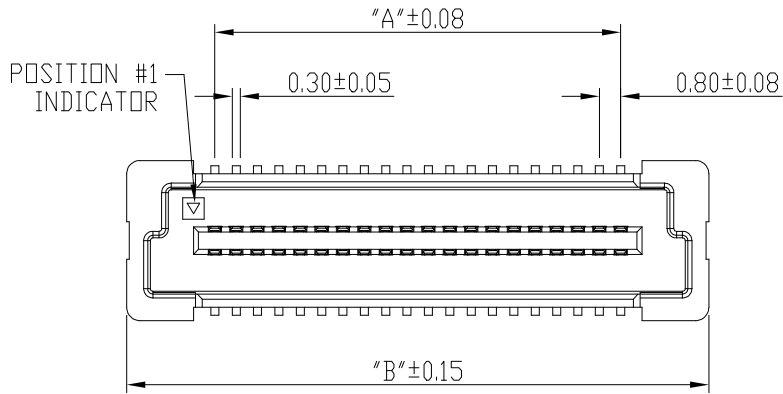
| PRODUCT NO.     | NO. OF POSITION | DIMENSION |      |      |
|-----------------|-----------------|-----------|------|------|
|                 |                 | A         | B    | C    |
| 10144518-043*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 10144518-063*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 10144518-083*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 10144518-103*** | 2X50            | 39.2      | 45.8 | 44.2 |





COPLANARITY OF TAIL:  
0.10 MAX. APPLIED TO 2X20 TO 2X50 PDS

DETAIL C  
SCALE 10:1



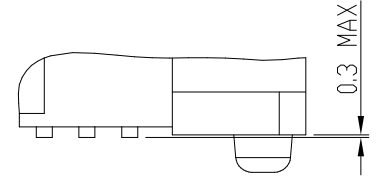
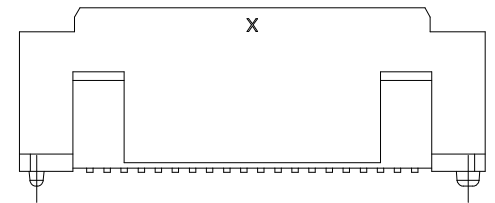
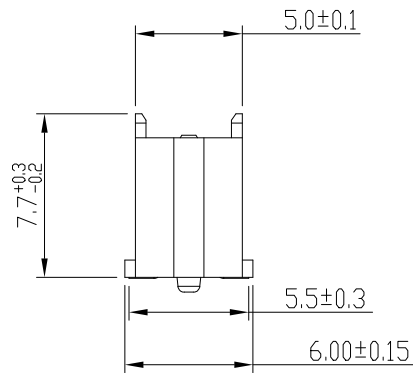
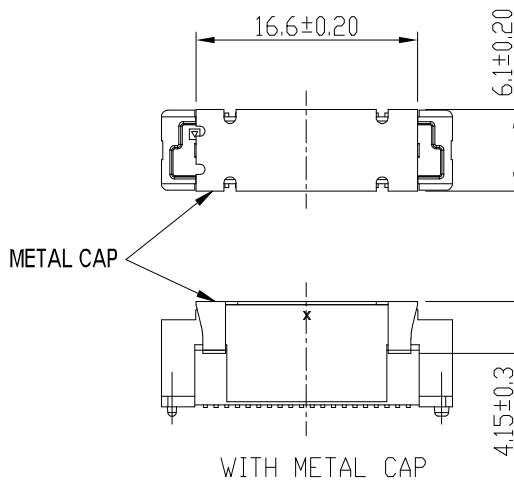
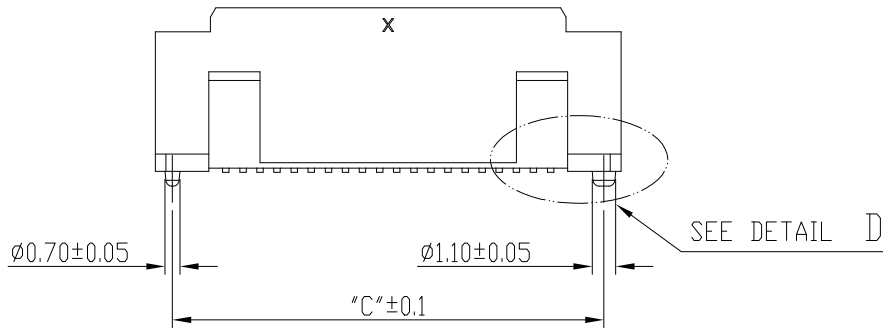
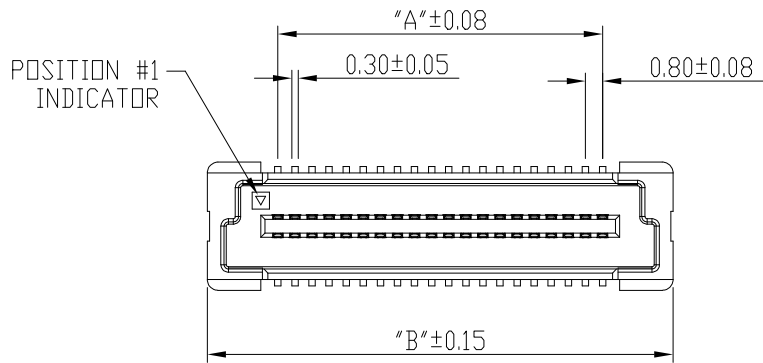
PLUG 3

|             |          |     |     |         |            |         |           |           |          |            |                |                |             |      |  |
|-------------|----------|-----|-----|---------|------------|---------|-----------|-----------|----------|------------|----------------|----------------|-------------|------|--|
| mat'l. code |          |     |     | surface | ISO 1302   | ✓       | tolerance | ISO 406   | ISO 1101 | projection | product family | BERGSTAK       |             |      |  |
| ltr         | ecn      | no  | dr  | date    | tolerances | unless  | otherwise | specified |          |            | title          | PLUG ASSY      |             |      |  |
| B           |          |     |     |         | angles     | linear  | .0±.2     |           |          | mm         |                | BERGSTAK 0.8MM |             |      |  |
|             |          |     |     |         | 0°±3°      |         | .00±.15   |           |          | scale 1:1  |                | dwg no         | sheet4 of 6 | size |  |
|             |          |     |     |         | dr         | Bob Gu  | 07/05/17  |           |          |            |                | 10144518       |             | A3   |  |
|             |          |     |     |         | engr       | Bob Gu  | 07/05/17  |           |          |            |                |                |             |      |  |
|             |          |     |     |         | chr        | LQ Lei  | 07/05/17  |           |          |            |                |                |             |      |  |
|             |          |     |     |         | appd       | Tim Yao | 07/05/17  |           |          |            |                |                |             |      |  |
| sheet       | revision | A   | B   |         |            |         |           |           |          |            |                |                |             |      |  |
| index       | sheet    | 1~6 | 1~6 |         |            |         |           |           |          |            |                |                |             |      |  |

Amphenol FCI

© 2016 AFCI

| PRODUCT NO.     | NO. OF POSITION | DIMENSION |      |      |
|-----------------|-----------------|-----------|------|------|
|                 |                 | A         | B    | C    |
| 10144518-044*** | 2X20            | 15.2      | 21.8 | 20.2 |
| 10144518-064*** | 2X30            | 23.2      | 29.8 | 28.2 |
| 10144518-084*** | 2X40            | 31.2      | 37.8 | 36.2 |
| 10144518-104*** | 2X50            | 39.2      | 45.8 | 44.2 |



COPLANARITY OF TAIL:  
0.10 MAX. APPLIED TO 2X20 TO 2X50 PDS

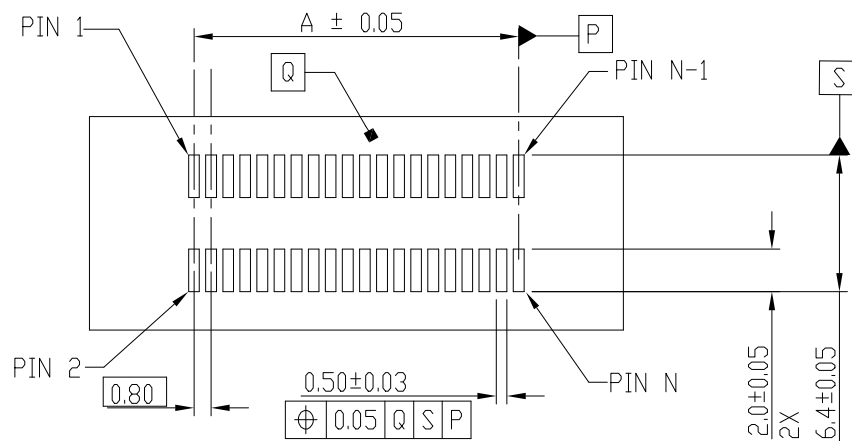
DETAIL D  
SCALE 10:1

SEE DETAIL DD

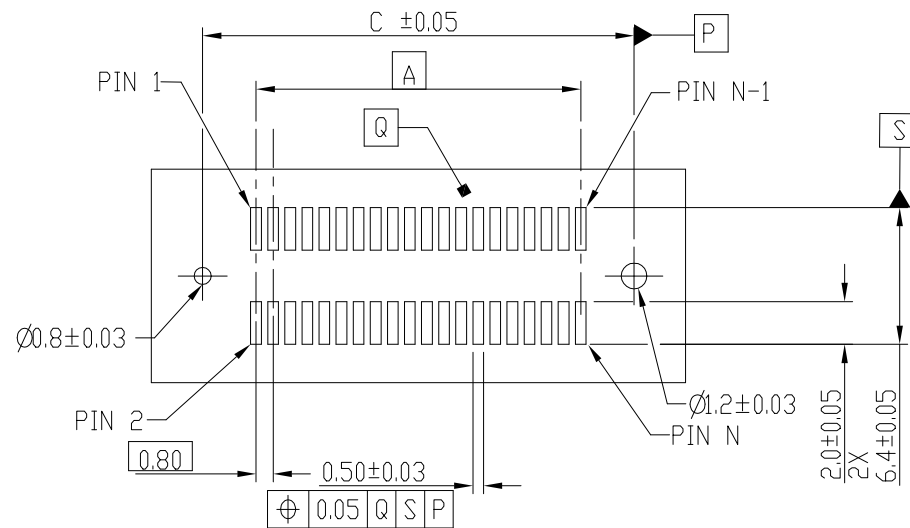
PLUG 4

|             |                |     |      |                                       |          |           |              |          |            |                          |
|-------------|----------------|-----|------|---------------------------------------|----------|-----------|--------------|----------|------------|--------------------------|
| mat'l. code |                |     |      | surface                               | ISO 1302 | tolerance | ISO 406      | ISO 1101 | projection | product family           |
|             |                |     |      |                                       |          |           |              |          |            | BERGSTAK                 |
| ltr         | ecn no         | dr  | date | tolerances unless otherwise specified |          |           | linear       |          |            | title                    |
| B           |                |     |      | angles                                |          |           | .0±.2        |          |            | PLUG ASSY                |
|             |                |     |      | linear                                |          |           | .00±.15      |          |            | BERGSTAK 0.8MM           |
|             |                |     |      | 0°±3°                                 |          |           | .000±.10     |          | scale 1:1  |                          |
|             |                |     |      | dr                                    | Bob Gu   | 07/05/17  | Amphenol FCI |          |            | dwg no                   |
|             |                |     |      | engr                                  | Bob Gu   | 07/05/17  |              |          |            | sheet 5 of 6             |
|             |                |     |      | chr                                   | LQ Lei   | 07/05/17  |              |          |            | size                     |
|             |                |     |      | appd                                  | Tim Yao  | 07/05/17  |              |          |            | A3                       |
| sheet index | revision sheet | A   | B    |                                       |          |           |              |          |            | type                     |
|             |                | 1~6 | 1~6  |                                       |          |           |              |          |            | Product Customer Drawing |

FOR PLUG 1/2/3/4



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



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

|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|-------------|--|----------|--|-----------------------|--|-------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------------------|--|--------------------------|--|------|--|
| mat'l. code |  |          |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406 ISO 1101 |  | projection<br> |  | product family<br>BERGSTAK  |  |                          |  |      |  |
| ltr         |  | ecn no   |  | dr                    |  | date                          |  | tolerances unless otherwise specified                                                               |  | title                       |  |                          |  |      |  |
| B           |  |          |  |                       |  |                               |  | mm<br>         |  | PLUG ASSY<br>BERGSTAK 0.8MM |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  | scale 1:1                                                                                           |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  | <b>Amphenol<br/>FCi</b>                                                                             |  | dwg no                      |  | sheet6 of 6              |  | size |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  | 10144518                    |  | A3                       |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
| sheet index |  | revision |  | A                     |  | B                             |  |                                                                                                     |  | type                        |  | Product Customer Drawing |  |      |  |
|             |  | sheet    |  | 1~6                   |  | 1~6                           |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |
|             |  |          |  |                       |  |                               |  |                                                                                                     |  |                             |  |                          |  |      |  |