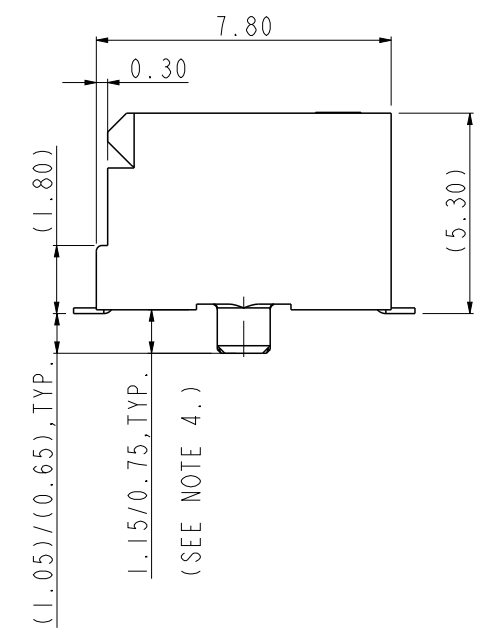
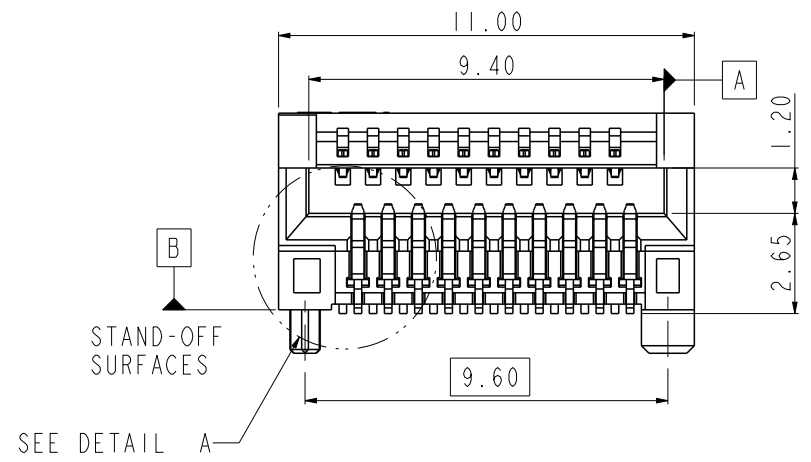
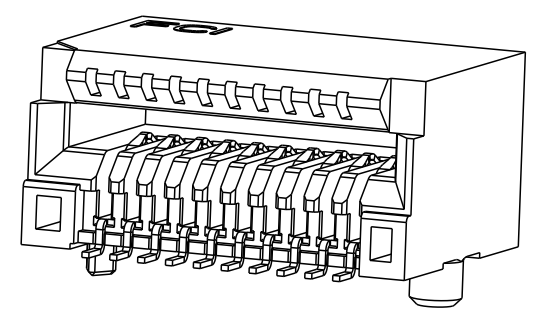
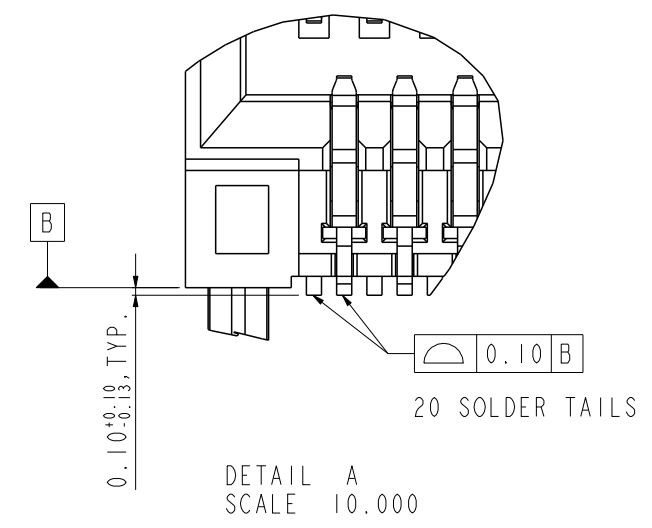
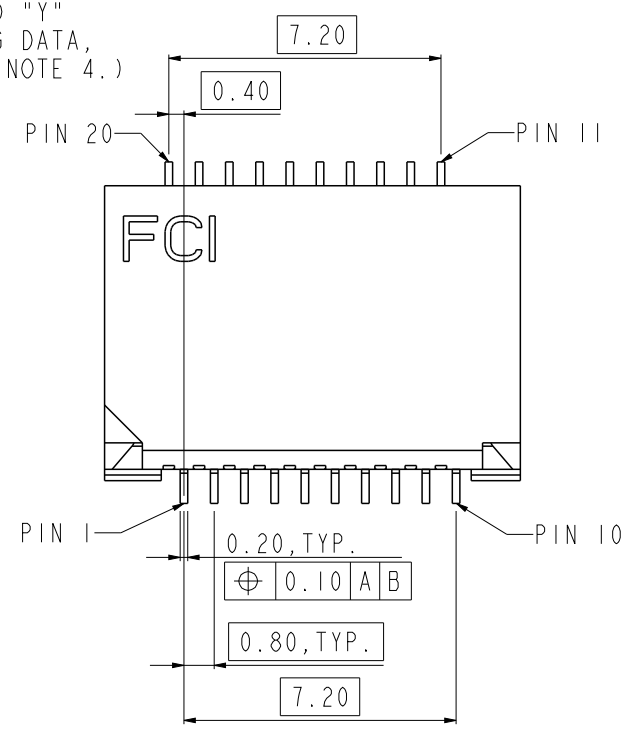
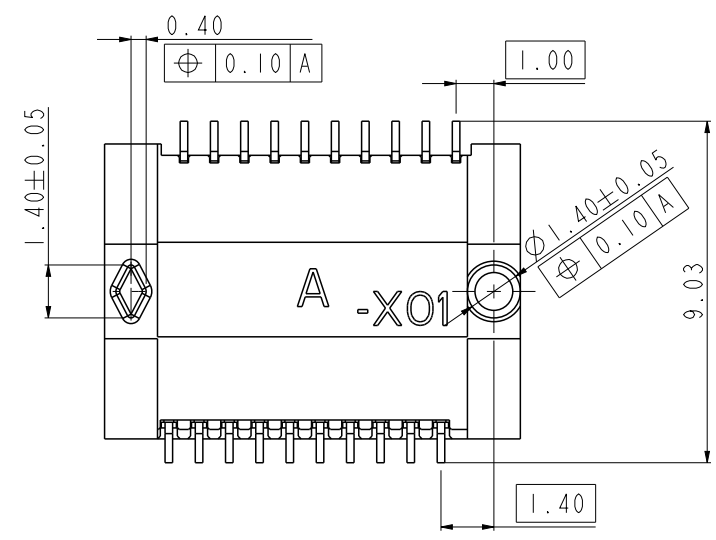
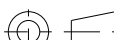


(SYMBOLS "X" AND "Y"  
DEFINES ORDERING DATA,  
PLEASE REFER TO NOTE 4.)



- NOTE:
- Material:  
HOUSING: HIGH TEMPERATURE LCP, BLACK  
UL 94 V-0 FLAME RETARDANT.  
TERMINAL: COPPER ALLOY.  
PLATING SPEC AS BELOW:  
FOR CONTACT AREA:  
-1YILF FOR 0.76 MICROMETERS MIN. THICKNESS GOLD.  
-9YILF FOR 0.76 MICROMETERS MIN. THICKNESS GXT  
FOR SOLDER AREA:  
MATTE PURE TIN 3 MICROMETERS MIN. FOR THREE TYPES.  
FOR UNDERPLATING:  
-1YILF AND -9YILF: 2.54 MICROMETERS MIN. THICKNESS NICKEL
  - PACKING SPEC. GS-14-1030
  - PRODUCT SPEC. GS-12-339.
  - PART NUMBER SCHEME: (EX. 10056847-XYILF), PLEASE FIND THE PAGE 2 FOR OPTIONS.  
(SYMBOL "X" IS FOR SELECTED PLATING AND  
"LF" MEANS LEAD FREE PRODUCT.  
(SYMBOL "Y" IS FOR PEG LENGTH SELECTION:  
"0" DEFINES FOR LENGTH=1.15mm AND "1" DEFINES FOR LENGTH=0.75mm.
  - LEAD FREE NOTES:  
5a. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.  
5b. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
  - THIS CONNECTOR IS DESIGNED TO WORK WITH RAIL SYSTEM THAT ALLOW THE MODULE TO "FLOAT" IN THE VERTICAL PLANE AND FIND EQUILIBRIUM BETWEEN THE UPPER AND LOWER CONNECTOR ROWS. THIS CONNECTOR WILL NOT PERFORM PROPERLY IF USED IN SYSTEMS THAT MECHANICALLY BIAS THE MODULE IN THE VERTICAL PLANE SUCH AS RAIL RAIL SYSTEMS WITH EMI SPRINGS.

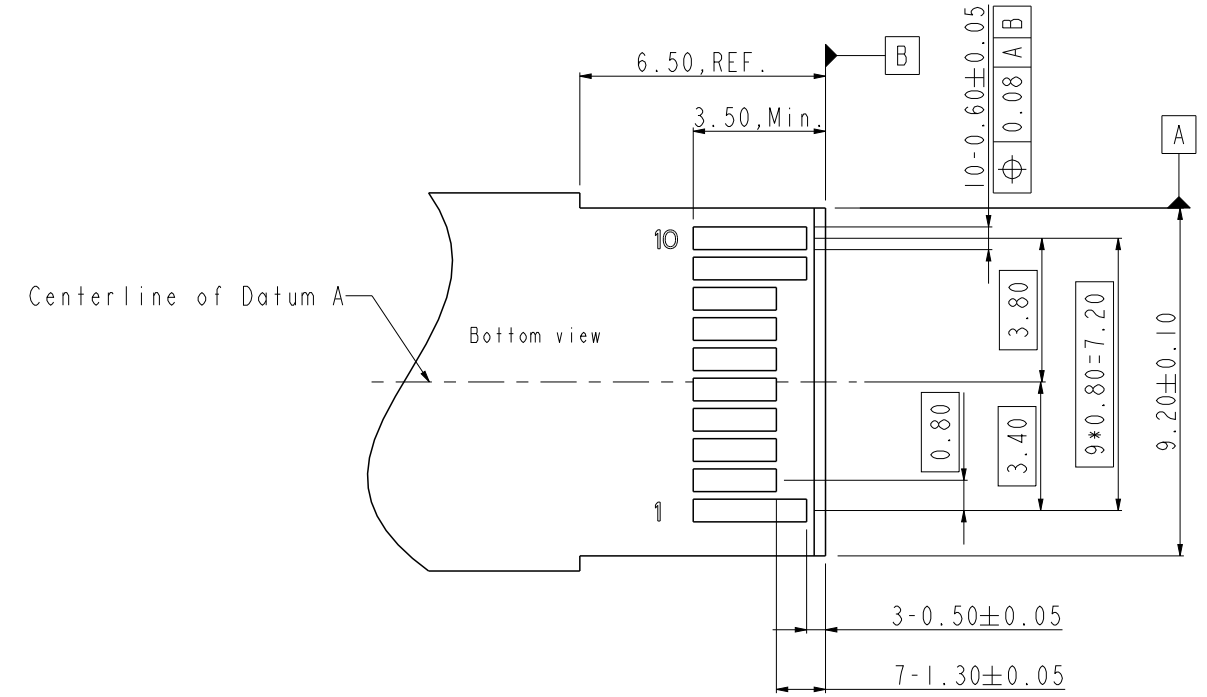
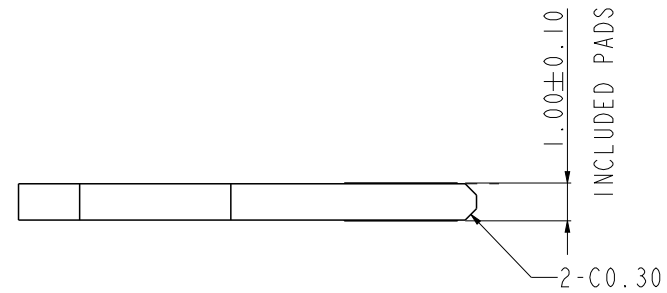
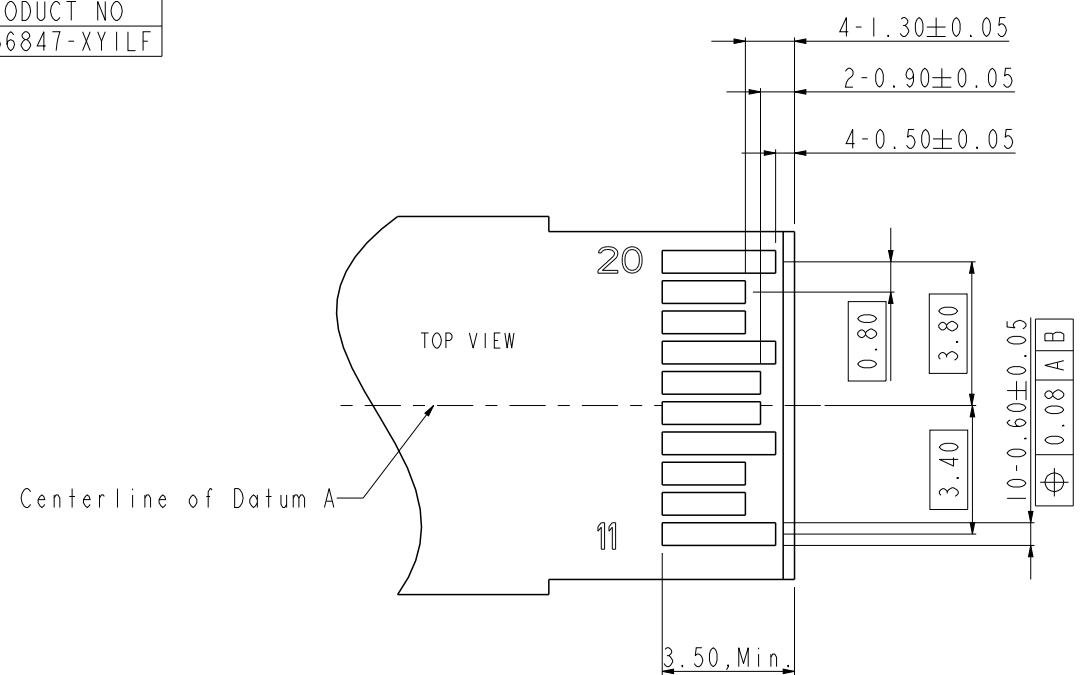


|                                      |                                          |       |        |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |                       |                 |             |                |
|--------------------------------------|------------------------------------------|-------|--------|---------------------------------------------------------------------------------------|----------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|-----------------|-------------|----------------|
| spec ref *                           |                                          |       |        | dr                                                                                    | wcadmin                                                  | 2006/09/11 | projection<br> | MM<br> | size                  | A3              | scale       | 5.000          |
| tolerance std<br>ISO 406<br>ISO 1101 | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED |       |        | eng                                                                                   | De-Feng, Qin                                             | 2012/03/07 |                                                                                                     |                                                                                             | ecn no                | ELX-DG-010299-1 |             |                |
|                                      |                                          |       |        | chr                                                                                   | Terry Qiu                                                | 2012/03/15 |                                                                                                     |                                                                                             | rel level<br>Released |                 |             |                |
|                                      |                                          |       |        | appr                                                                                  | Pei-Ming Zheng                                           | 2012/03/15 |                                                                                                     |                                                                                             |                       |                 |             | product family |
| surface<br>ISO 1302                  | linear<br>✓                              | 0.X   | ± 0.30 |  | title<br>RIGHR ANGLE TYPE, 20POS.<br>EDGE CARD CONNECTOR |            |                                                                                                     |                                                                                             | dwg no<br>10056847    | rev<br>G        |             |                |
|                                      |                                          | 0.XX  | ± 0.13 |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |                       |                 |             |                |
|                                      |                                          | 0.XXX | ± 0.05 |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |                       |                 |             |                |
|                                      | angular                                  | 0°    | ± 3°   |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |                       |                 | www.fci.com | cat. no.       |



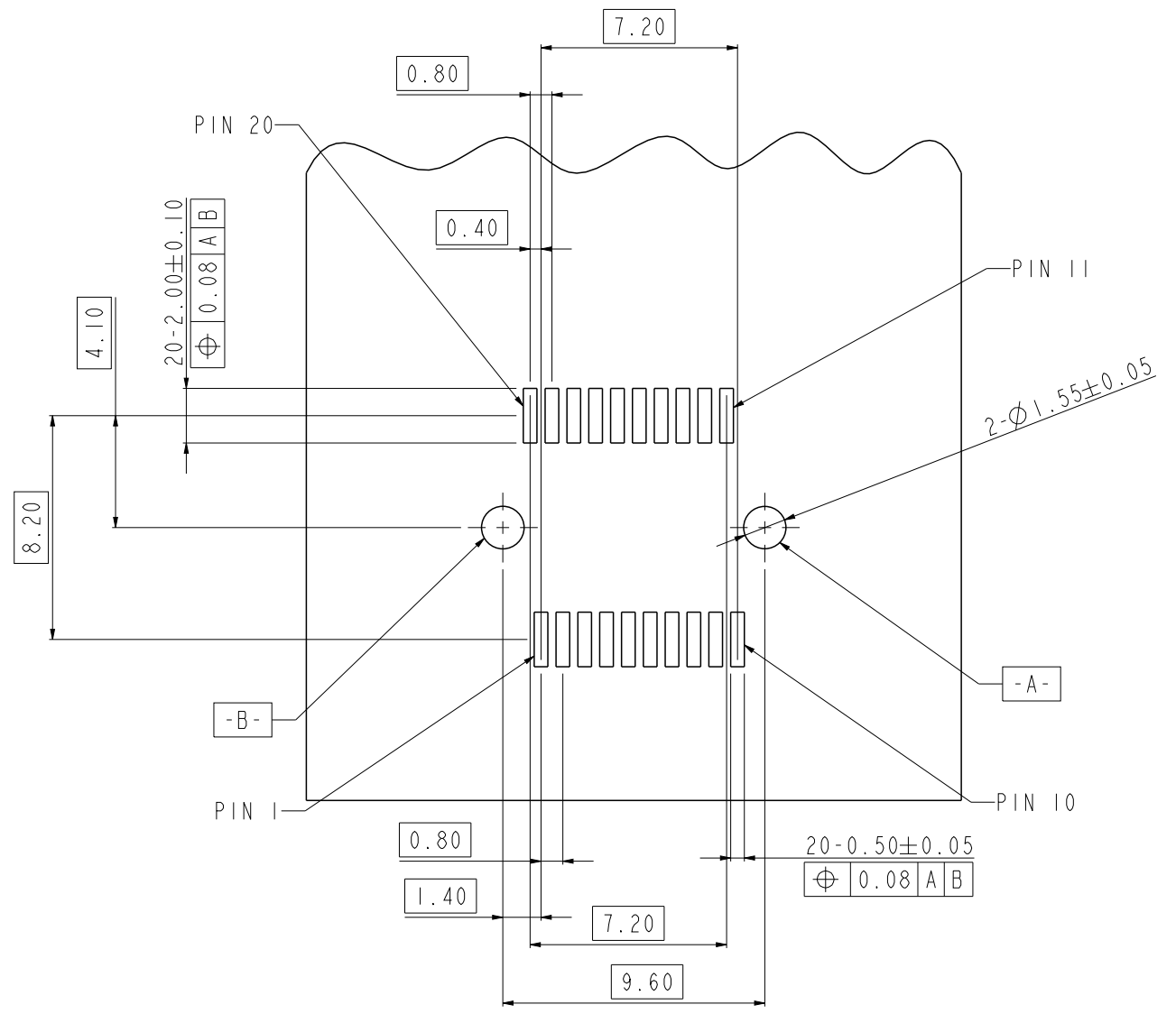
Copyright FCI.

PRODUCT NO  
10056847-XYILF



RECOMMENDED LAYOUT  
MATING PCB SIDE

| PART NUMBER    | HOUSING<br>(Peg length option) | TERMINALS<br>(Contact plating options) | TERMINALS<br>(Underplating<br>and Solder tail plating)                          | REMARK |
|----------------|--------------------------------|----------------------------------------|---------------------------------------------------------------------------------|--------|
| 10056847-10ILF | Peg length=1.15mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-11ILF | Peg length=0.75mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-90ILF | Peg length=1.15mm              | 0.76um, Min.GXT                        | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-91ILF | Peg length=0.75mm              | 0.76um, Min.GXT                        | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |



RECOMMENDED PCB LAYOUT  
CONNECTOR MOUNTING SIDE  
SCALE 4.000

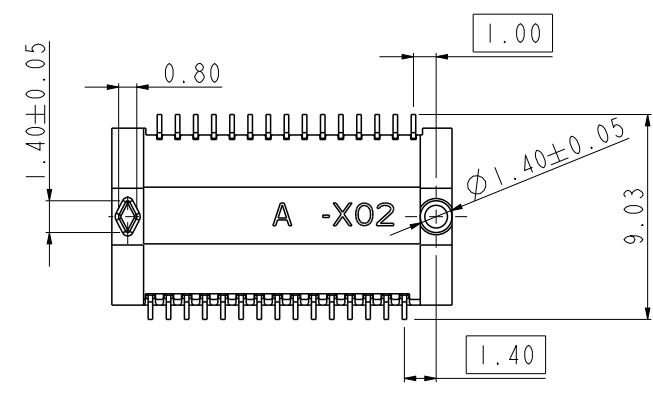
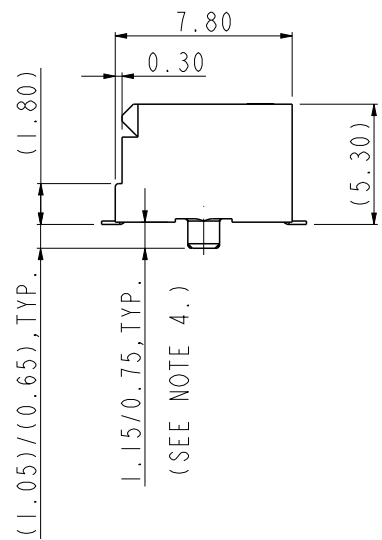
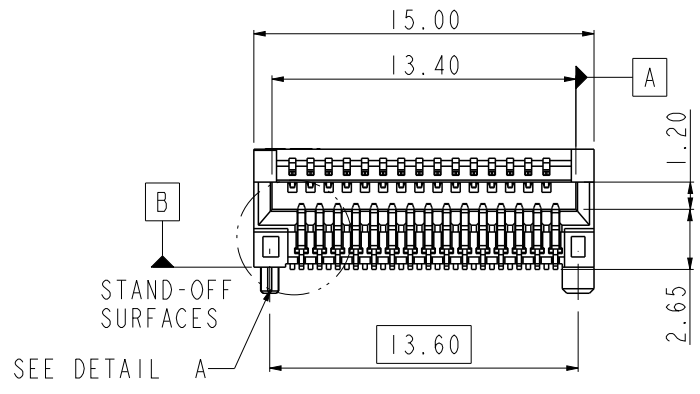
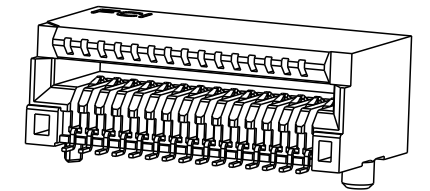
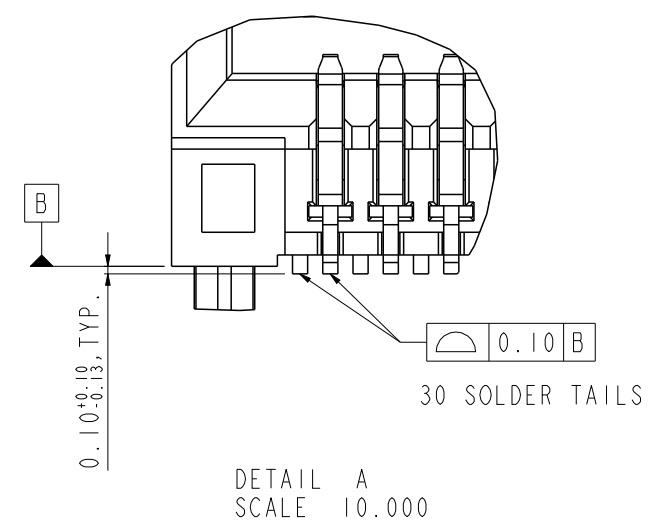
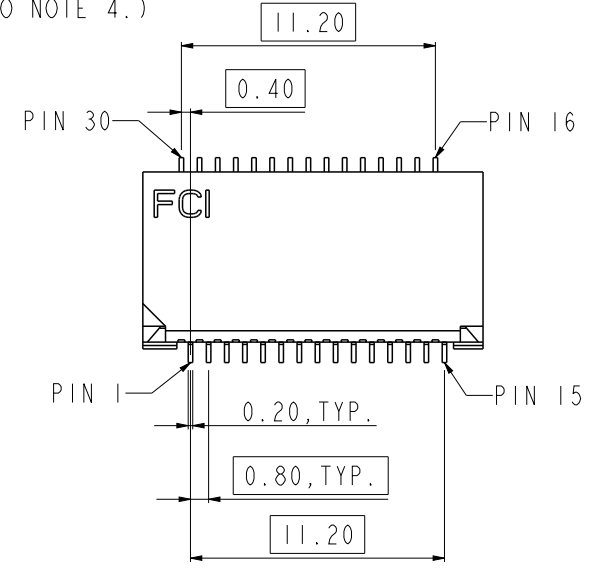
|               |                                       |         |        |      |                |                                                 |            |  |        |           |        |                |                 |
|---------------|---------------------------------------|---------|--------|------|----------------|-------------------------------------------------|------------|--|--------|-----------|--------|----------------|-----------------|
| spec ref      |                                       | *       |        | dr   | wcadmin        | 2006/09/11                                      | projection |  | MM     | size      | A3     | scale          | 5.000           |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng  | De-Feng, Qin   | 2012/03/07                                      |            |  |        |           | ecn no |                | ELX-DG-010299-1 |
|               |                                       |         |        | chr  | Terry Qiu      | 2012/03/15                                      |            |  |        | rel level |        | Released       |                 |
|               |                                       |         |        | appr | Pei-Ming Zheng | 2012/03/15                                      |            |  |        |           |        | product family |                 |
| surface       | linear                                | 0.X     | ± 0.30 |      | title          | RIGHR ANGLE TYPE, 20POS.<br>EDGE CARD CONNECTOR |            |  | dwg no | 10056847  |        | rev            | G               |
|               |                                       | 0.XX    | ± 0.13 |      |                |                                                 |            |  |        |           |        |                |                 |
|               |                                       | 0.XXX   | ± 0.05 |      |                |                                                 |            |  |        |           |        |                |                 |
|               | ISO 1302                              | angular | 0°     |      |                |                                                 |            |  |        |           |        |                |                 |

RIGHR ANGLE TYPE, 20POS.  
EDGE CARD CONNECTOR



PRODUCT NO  
10056847-XY2LF

(SYMBOLS "X" AND "Y"  
DEFINES ORDERING DATA,  
PLEASE REFER TO NOTE 4.)



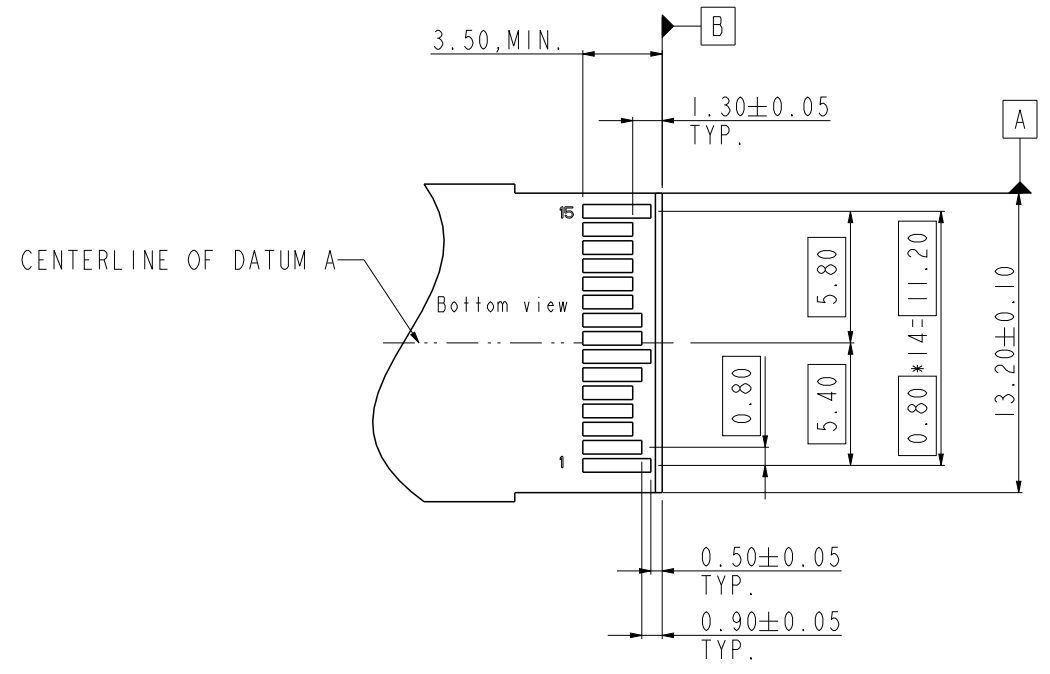
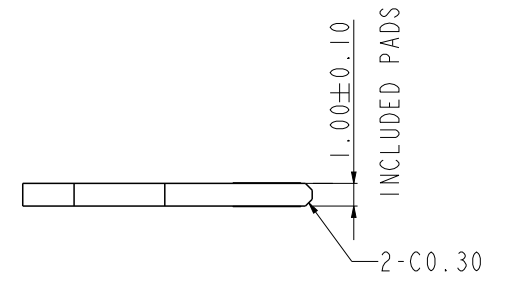
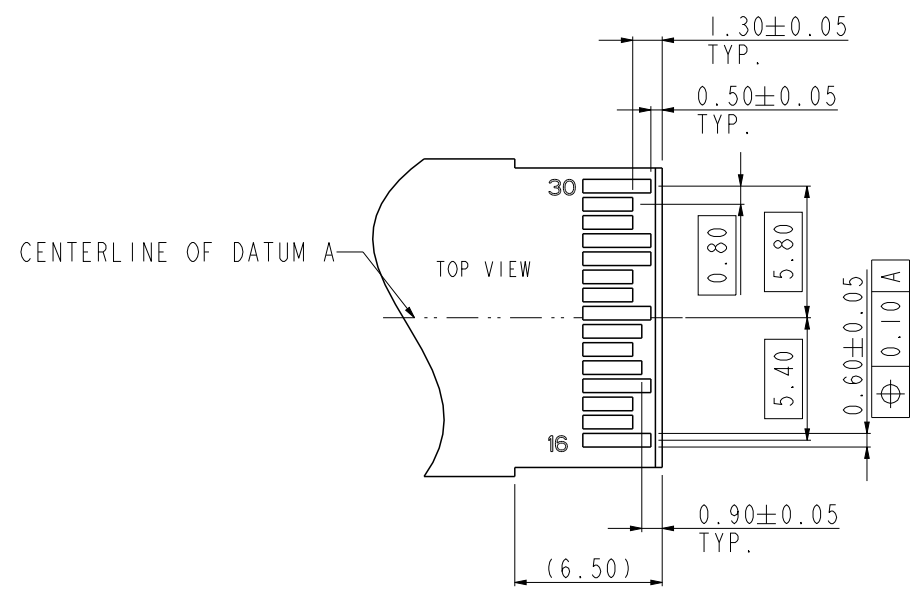
- NOTE:
- Material:  
HOUSING: HIGH TEMPERATURE LCP, BLACK  
UL 94 V-0 FLAME RETARDANT.  
TERMINAL: COPPER ALLOY.  
PLATING SPEC AS BELOW:  
FOR CONTACT AREA:  
-1Y2LF FOR 0.76 MICROMETERS MIN. THICKNESS GOLD.  
-9Y2LF FOR 0.76 MICROMETERS MIN. THICKNESS GXT.  
FOR SOLDER AREA:  
MATTE PURE TIN 3 MICROMETERS MIN. FOR THREE TYPES.  
FOR UNDERPLATING:  
-1Y2LF AND -9Y2LF: 2.54 MICROMETERS MIN. THICKNESS NICKEL
  - PACKING SPEC. GS-14-1030
  - PRODUCT SPEC. GS-12-339.
  - PART NUMBER SCHEME: (EX. 10056847-XY2LF), PLEASE FIND THE PAGE 2 FOR OPTIONS.  
(SYMBOL "X" IS FOR SELECTED PLATING AND  
"LF" MEANS LEAD FREE PRODUCT.  
(SYMBOL "Y" IS FOR PEG LENGTH SELECTION:  
"0" DEFINES FOR LENGTH=1.15mm AND "1" DEFINES FOR LENGTH=0.75mm.
  - LEAD FREE NOTES:  
5a. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.  
5b. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
  - THIS CONNECTOR IS DESIGNED TO WORK WITH RAIL SYSTEM THAT ALLOW THE MODULE TO "FLOAT" IN THE VERTICAL PLANE AND FIND EQUILIBRIUM BETWEEN THE UPPER AND LOWER CONNECTOR ROWS. THIS CONNECTOR WILL NOT PERFORM PROPERLY IF USED IN SYSTEMS THAT MECHANICALLY BIAS THE MODULE IN THE VERTICAL PLANE SUCH AS RAIL RAIL SYSTEMS WITH EMI SPRINGS.

|               |  |                                       |  |       |  |         |            |                |            |          |  |                                                 |  |                           |       |          |       |                |  |
|---------------|--|---------------------------------------|--|-------|--|---------|------------|----------------|------------|----------|--|-------------------------------------------------|--|---------------------------|-------|----------|-------|----------------|--|
| spec ref      |  | *                                     |  | dr    |  | wcadmin | 2006/09/11 | projection     |            | MM       |  | size                                            |  | A3                        | scale |          | 3.000 |                |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       |  | eng     |            | De-Feng, Qin   | 2012/03/07 |          |  |                                                 |  | ecn no<br>ELX-DG-010299-1 |       |          |       |                |  |
| ISO 406       |  |                                       |  |       |  | chr     |            | Terry Qiu      | 2012/03/15 |          |  |                                                 |  |                           |       |          |       |                |  |
| ISO 1101      |  |                                       |  |       |  | appr    |            | Pei-Ming Zheng | 2012/03/15 |          |  |                                                 |  |                           |       |          |       | product family |  |
| surface       |  | linear                                |  | 0.X   |  | ± 0.30  |            |                |            | title    |  | RIGHR ANGLE TYPE, 20POS.<br>EDGE CARD CONNECTOR |  | dwg no                    |       | 10056847 |       | rev<br>G       |  |
|               |  |                                       |  | 0.XX  |  | ± 0.13  |            |                |            |          |  |                                                 |  |                           |       |          |       |                |  |
|               |  |                                       |  | 0.XXX |  | ± 0.05  |            |                |            |          |  |                                                 |  |                           |       |          |       |                |  |
| ISO 1302      |  | angular                               |  | 0°    |  | ± 3°    |            | www.fci.com    |            | cat. no. |  |                                                 |  | Product - Customer Drw    |       |          |       | sheet 3 of 6   |  |



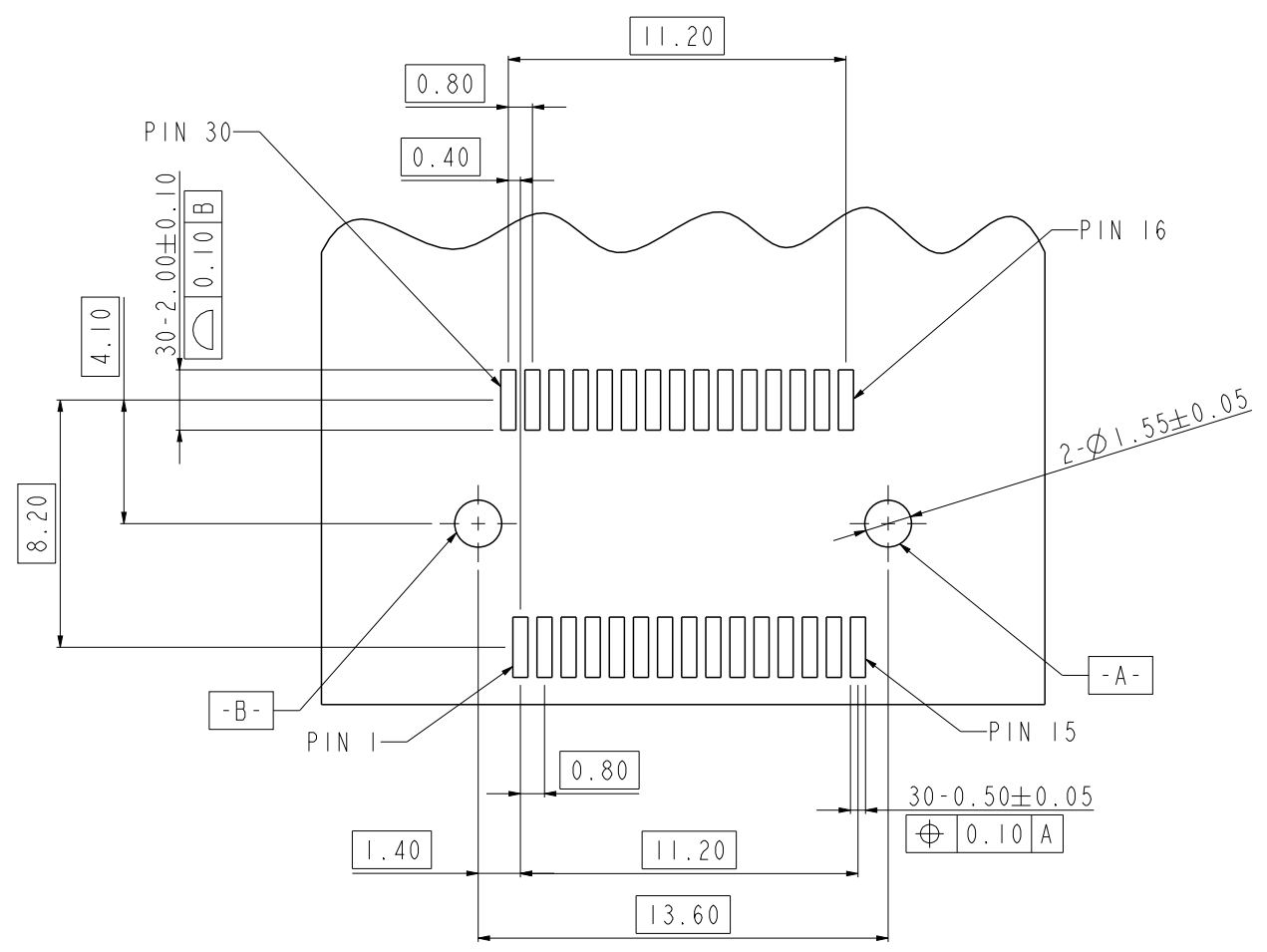
Copyright FCI.

PRODUCT NO  
10056847-XY2LF



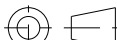
RECOMMENDED LAYOUT  
MATING PCB SIDE

| PART NUMBER    | HOUSING<br>(Peg length option) | TERMINALS<br>(Contact plating options) | TERMINALS<br>(Underplating<br>and Solder tail plating)                             | REMARK |
|----------------|--------------------------------|----------------------------------------|------------------------------------------------------------------------------------|--------|
| 10056847-102LF | Peg length=1.15mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin.    |        |
| 10056847-112LF | Peg length=0.75mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin.    |        |
| 10056847-902LF | Peg length=1.15mm              | 0.76um, Min.GXT                        | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin.    |        |
| 10056847-912LF | Peg length=0.75mm              | 0.76um, Min.GXT                        | Underplating:<br>1.0um Min. NXT(AmNi) overall.<br>Solder Tail: 3um Min. Matte Tin. |        |



RECOMMENDED PCB LAYOUT  
CONNECTOR MOUNTING SIDE

SCALE 4.000

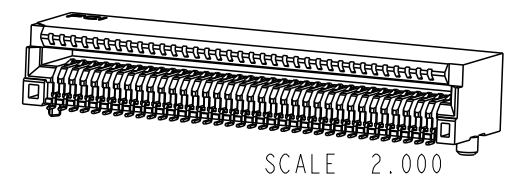
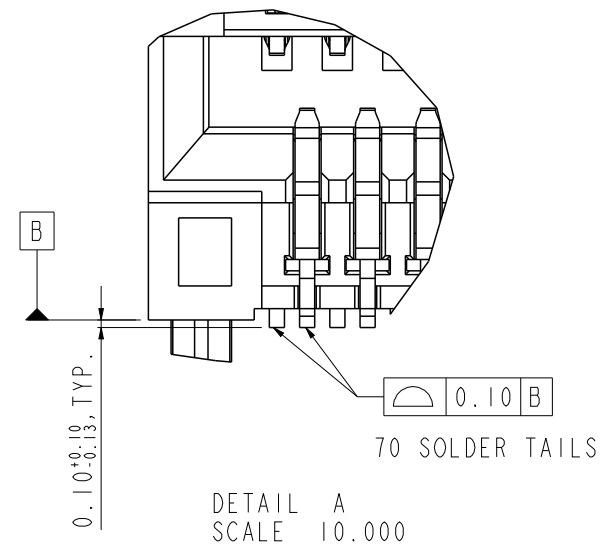
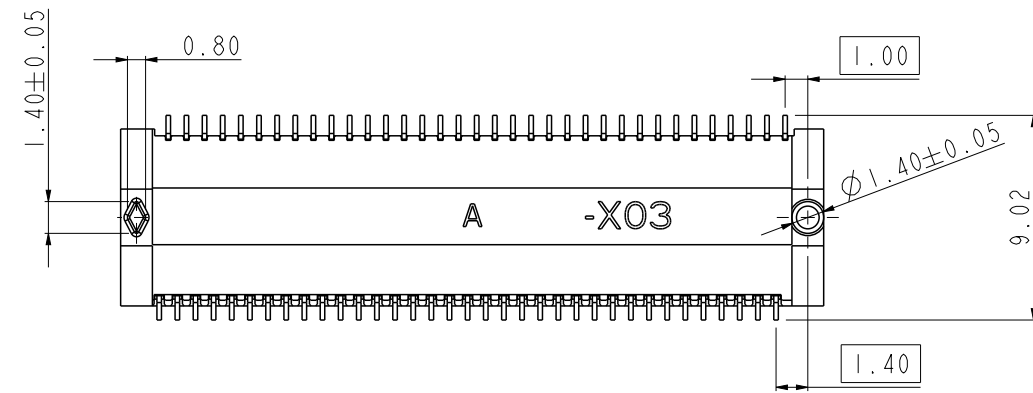
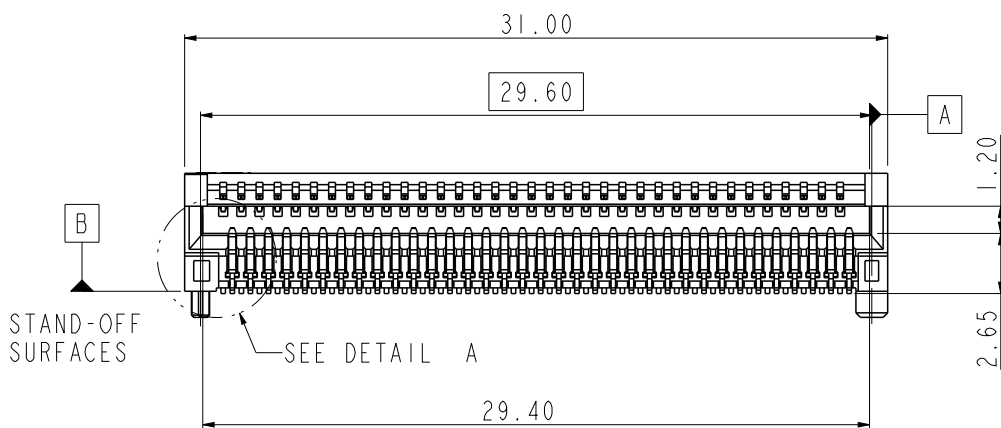
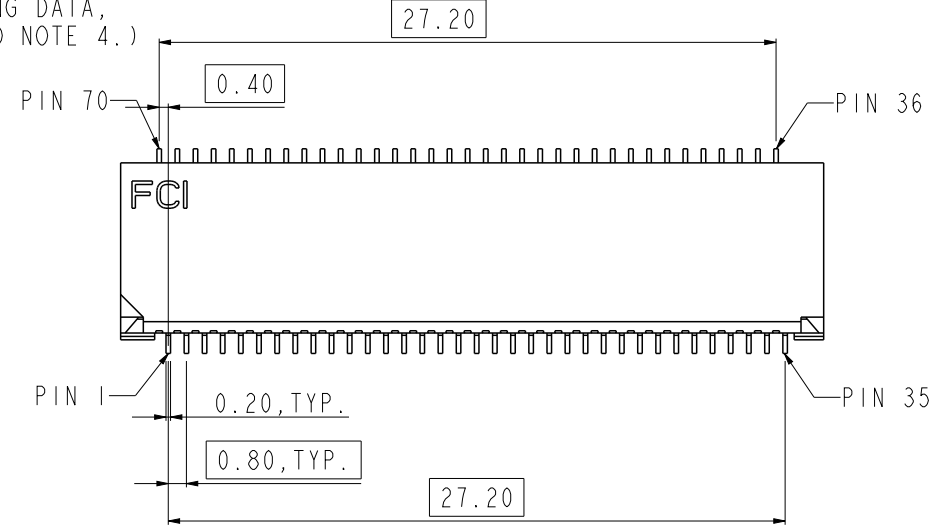
|                                                                                               |          |                                       |        |                                                                                       |                |                                                 |                                                                                                                        |                                                                                                                |                |          |       |              |                 |
|-----------------------------------------------------------------------------------------------|----------|---------------------------------------|--------|---------------------------------------------------------------------------------------|----------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|----------|-------|--------------|-----------------|
| spec ref                                                                                      |          | *                                     |        | dr                                                                                    | wcadmin        | 2006/09/11                                      | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A3       | scale | 1.000        |                 |
| tolerance std                                                                                 |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |        | eng                                                                                   | De-Feng, Qin   | 2012/03/07                                      |                                                                                                                        |                                                                                                                | ecn no         |          |       |              | ELX-DG-010299-1 |
| ISO 406                                                                                       |          |                                       |        | chr                                                                                   | Terry Qiu      | 2012/03/15                                      |                                                                                                                        |                                                                                                                | rel level      |          |       |              | Released        |
| ISO 1101                                                                                      |          |                                       |        | appr                                                                                  | Pei-Ming Zheng | 2012/03/15                                      |                                                                                                                        |                                                                                                                | product family |          |       |              |                 |
| surface  | linear   | 0.X                                   | ± 0.30 |  | title          | RIGHR ANGLE TYPE, 20POS.<br>EDGE CARD CONNECTOR |                                                                                                                        |                                                                                                                | dwg no         | 10056847 |       | rev          | G               |
|                                                                                               |          | 0.XX                                  | ± 0.13 |                                                                                       |                |                                                 |                                                                                                                        |                                                                                                                |                |          |       |              |                 |
|                                                                                               |          | 0.XXX                                 | ± 0.05 |                                                                                       |                |                                                 |                                                                                                                        |                                                                                                                |                |          |       |              |                 |
|                                                                                               | ISO 1302 | angular                               | 0°     | ± 3°                                                                                  | www.fci.com    | cat. no.                                        |                                                                                                                        | Product - Customer Drw                                                                                         |                |          |       | sheet 4 of 6 |                 |



Copyright FCI.

PRODUCT NO  
10056847-XY3LF

(SYMBOLS "X" AND "Y"  
DEFINES ORDERING DATA,  
PLEASE REFER TO NOTE 4.)

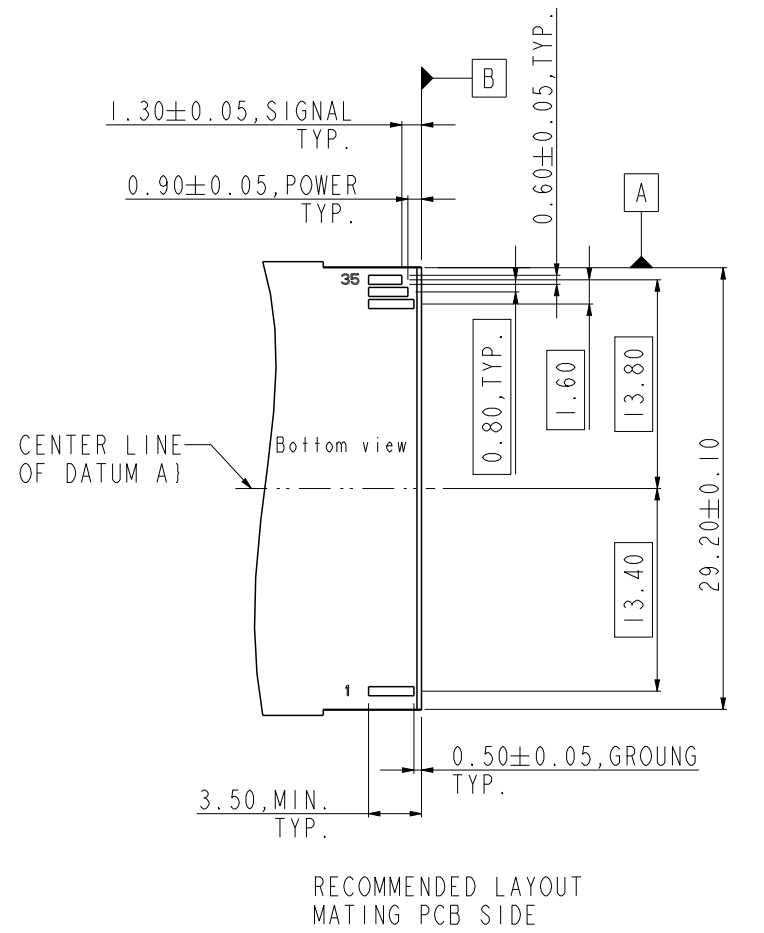
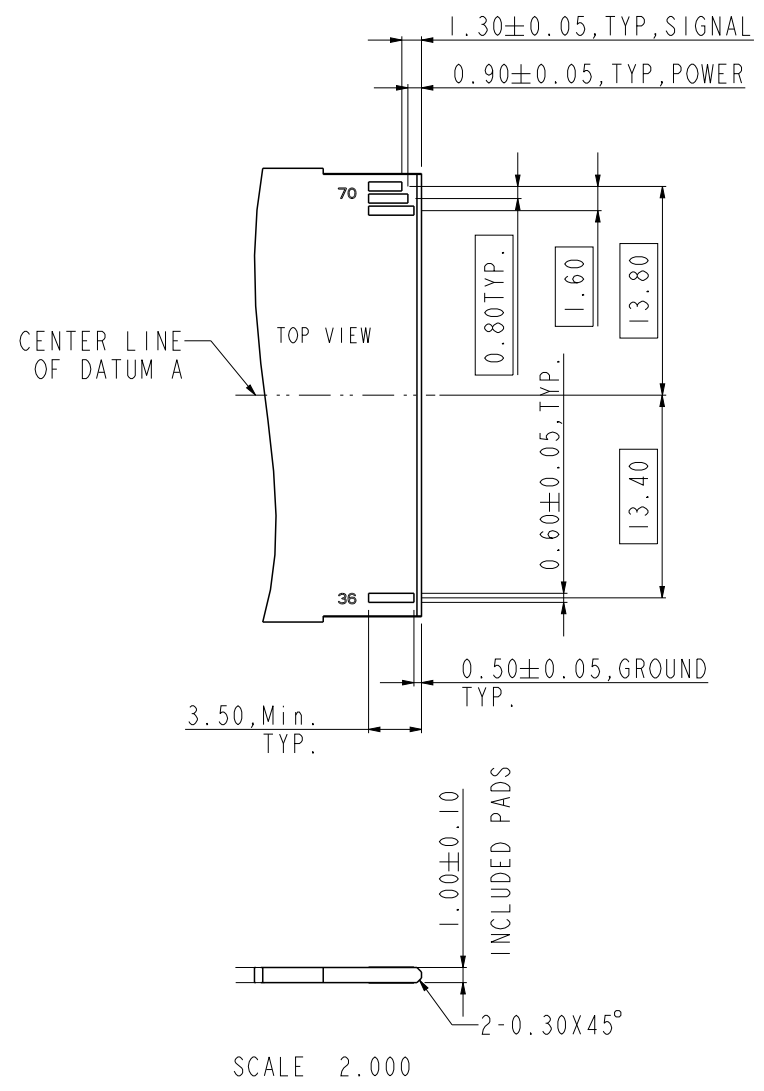


- NOTE:
- Material:  
HOUSING: HIGH TEMPERATURE LCP, BLACK  
UL 94 V-0 FLAME RETARDANT.  
TERMINAL: COPPER ALLOY.  
PLATING SPEC AS BELOW:  
FOR CONTACT AREA:  
-1Y3LF FOR 0.76 MICROMETERS MIN. THICKNESS GOLD.  
-9Y3LF FOR 0.15 MICROMETERS MIN. THICKNESS GXT  
FOR SOLDER AREA:  
MATTE PURE TIN 3 MICROMETERS MIN. FOR THREE TYPES.  
FOR UNDERPLATING:  
-1Y3LF AND -9Y3LF: 2.54 MICROMETERS MIN. THICKNESS NICKEL
  - PACKING SPEC. GS-14-1030
  - PRODUCT SPEC. GS-12-339.
  - PART NUMBER SCHEME: (EX. 10056847-XY3LF), PLEASE FIND THE PAGE 2 FOR OPTIONS.  
(SYMBOL "X" IS FOR SELECTED PLATING AND  
"LF" MEANS LEAD FREE PRODUCT.  
(SYMBOL "Y" IS FOR PEG LENGTH SELECTION:  
"0" DEFINES FOR LENGTH=1.15mm AND "1" DEFINES FOR LENGTH=0.75mm.
  - LEAD FREE NOTES:  
5a. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE  
FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.  
5b. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY  
REGULATIONS AS DESCRIBED IN GS-22-008.
  - THIS CONNECTOR IS DESIGNED TO WORK WITH RAIL SYSTEM THAT ALLOW THE MODULE TO  
"FLOAT" IN THE VERTICAL PLANE AND FIND EQUILIBRIUM BETWEEN THE UPPER AND LOWER  
CONNECTOR ROWS. THIS CONNECTOR WILL NOT PERFORM PROPERLY IF USED IN SYSTEMS THAT  
MECHANICALLY BIAS THE MODULE IN THE VERTICAL PLANE SUCH AS RAIL RAIL  
SYSTEMS WITH EMI SPRINGS.

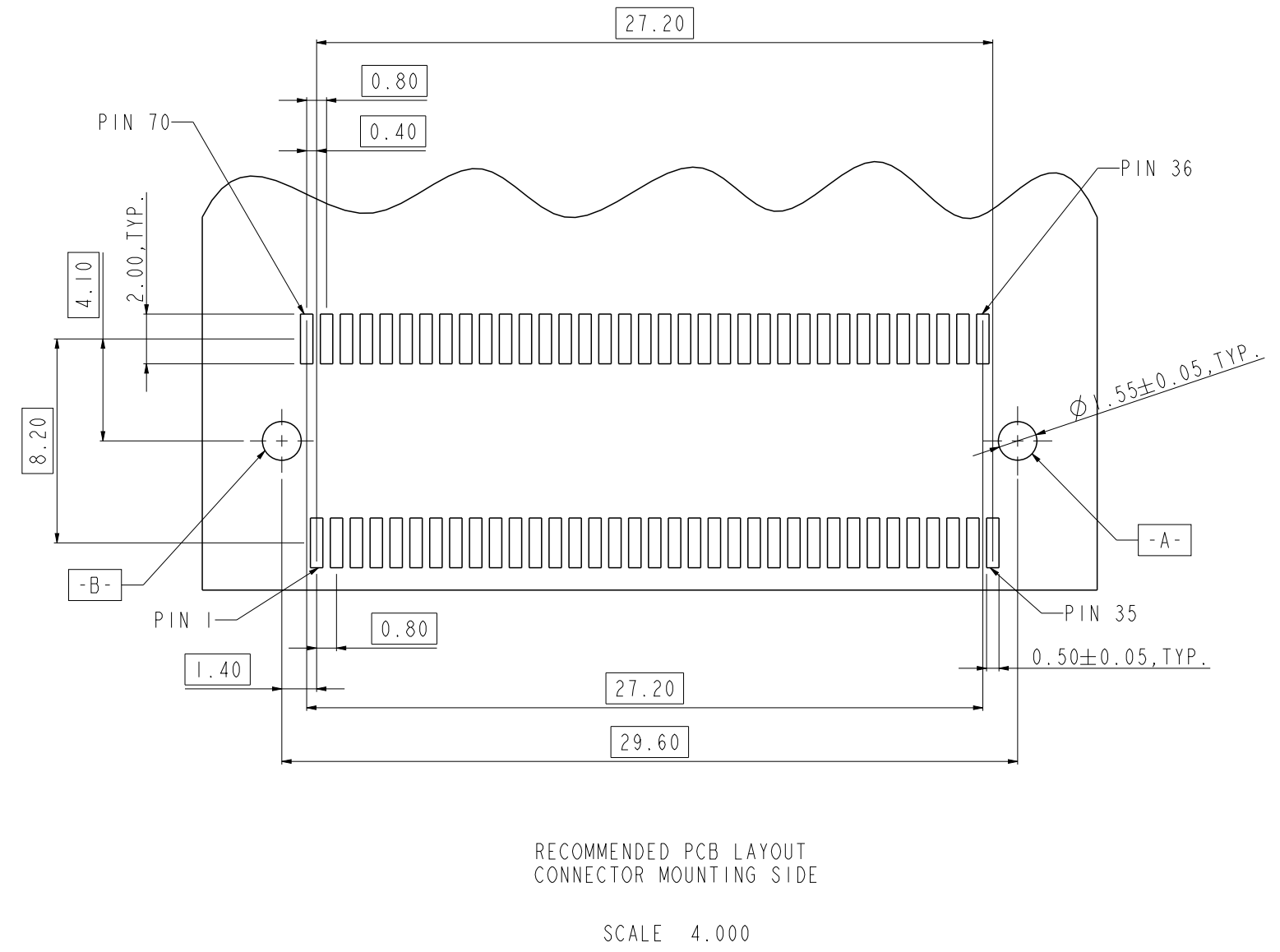
|               |                                       |       |        |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |           |    |              |       |                 |
|---------------|---------------------------------------|-------|--------|---------------------------------------------------------------------------------------|----------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|----|--------------|-------|-----------------|
| spec ref      |                                       | *     |        | dr                                                                                    | wcadmin                                                  | 2006/09/11 | projection<br> | MM<br> | size      | A3 | scale        | 1.000 |                 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng                                                                                   | De-Feng, Qin                                             | 2012/03/07 |                                                                                                     |                                                                                             | ecn no    |    |              |       | ELX-DG-010299-1 |
| ISO 406       |                                       |       |        | chr                                                                                   | Terry Qiu                                                | 2012/03/15 |                                                                                                     |                                                                                             | rel level |    |              |       | Released        |
| ISO 1101      |                                       |       |        | appr                                                                                  | Pei-Ming Zheng                                           | 2012/03/15 | product family                                                                                      |                                                                                             |           |    |              |       |                 |
| surface<br>✓  | linear                                | 0.X   | ± 0.30 |  | title<br>RIGHR ANGLE TYPE, 20POS.<br>EDGE CARD CONNECTOR |            |                                                                                                     | dwg no                                                                                      | 10056847  |    | rev<br>G     |       |                 |
|               |                                       | 0.XX  | ± 0.13 |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |           |    |              |       |                 |
|               |                                       | 0.XXX | ± 0.05 |                                                                                       |                                                          |            |                                                                                                     |                                                                                             |           |    |              |       |                 |
| ISO 1302      | angular                               | 0°    | ± 3°   | www.fci.com                                                                           | cat. no.                                                 |            |                                                                                                     | Product - Customer Drw                                                                      |           |    | sheet 5 of 6 |       |                 |



PRODUCT NO  
10056847-XY3LF



| PART NUMBER    | HOUSING<br>(Peg length option) | TERMINALS<br>(Contact plating options) | TERMINALS<br>(Underplating<br>and Solder tail plating)                          | REMARK |
|----------------|--------------------------------|----------------------------------------|---------------------------------------------------------------------------------|--------|
| 10056847-103LF | Peg length=1.15mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-113LF | Peg length=0.75mm              | 0.76um, Min.Gold                       | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-903LF | Peg length=1.15mm              | 0.76um, Min.GXT                        | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |
| 10056847-913LF | Peg length=0.75mm              | 0.76um, Min.GXT                        | Underplating:2.54um Min.<br>Nickel overall.<br>Solder tail: 3um Min. Matte Tin. |        |



|               |  |                                       |  |       |  |                |  |             |  |            |  |                          |  |                |  |                 |  |       |  |       |  |
|---------------|--|---------------------------------------|--|-------|--|----------------|--|-------------|--|------------|--|--------------------------|--|----------------|--|-----------------|--|-------|--|-------|--|
| spec ref      |  | *                                     |  | dr    |  | wcadmin        |  | 2006/09/11  |  | projection |  | MM                       |  | size           |  | A3              |  | scale |  | 1.000 |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng   |  | De-Feng, Qin   |  | 2012/03/07  |  |            |  |                          |  | ecn no         |  | ELX-DG-010299-1 |  |       |  |       |  |
| ISO 406       |  |                                       |  | chr   |  | Terry Qiu      |  | 2012/03/15  |  |            |  |                          |  | rel level      |  | Released        |  |       |  |       |  |
| ISO 1101      |  |                                       |  | appr  |  | Pei-Ming Zheng |  | 2012/03/15  |  |            |  |                          |  | product family |  |                 |  |       |  |       |  |
| surface       |  | linear                                |  | 0.X   |  | ± 0.30         |  |             |  | title      |  | RIGHR ANGLE TYPE, 20POS. |  | dwg no         |  | 10056847        |  | rev   |  | G     |  |
|               |  |                                       |  | 0.XX  |  | ± 0.13         |  |             |  |            |  |                          |  |                |  |                 |  |       |  |       |  |
|               |  |                                       |  | 0.XXX |  | ± 0.05         |  |             |  |            |  |                          |  |                |  |                 |  |       |  |       |  |
| ISO 1302      |  | angular                               |  | 0°    |  | ± 3°           |  | www.fci.com |  | cat. no.   |  | Product - Customer Drw   |  | sheet 6 of 6   |  |                 |  |       |  |       |  |