

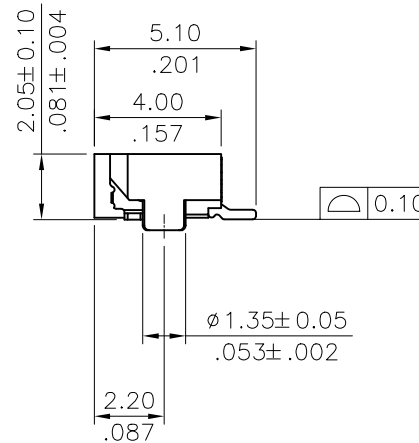
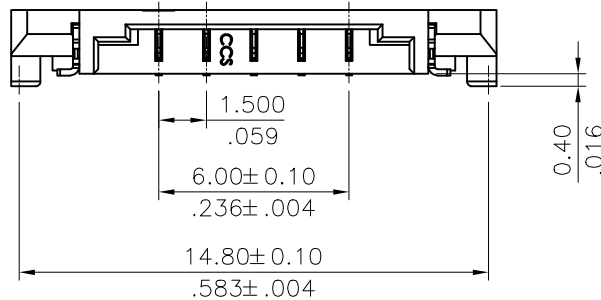
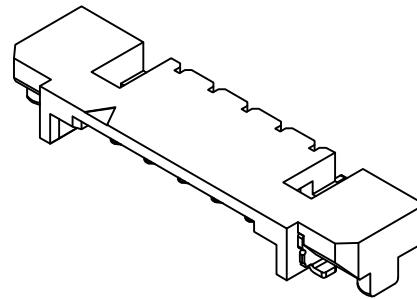
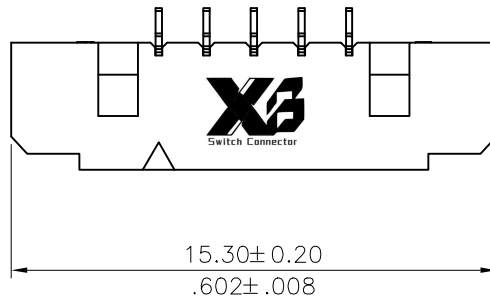
Material :

- \* Base:  
High Temperature Plastic UL 94V-0, Nature Color
- \* Contact :  
Phosphor Bronze
- \* Tab :  
Brass with  $3.05\mu\text{m}$ ( $120\mu''$ ) Min. Matte Tin Plated  
over  $1.27\mu\text{m}$ ( $50\mu''$ ) Min. Nickel

Ordering Code:

CP15 05 M 9 P R C -NH  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.
- ② No. of Circuits: 5 Pin
- ③ M= SMT Type
- ④ Plating for contact terminal:  
9=  $0.127\mu\text{m}$ ( $5\mu''$ ) Min. Gold plated on contact area  
and  $0.02\mu\text{m}$ ( $0.8\mu''$ ) Min. Gold Flash plated  
on the other parts, Both of them are  
over  $1.27\mu\text{m}$ ( $50\mu''$ ) min. Nickel
- ⑤ Connector Type: P= Plug
- ⑥ Packing Options: R= Tape & Reel packing
- ⑦ Option: C= Type C
- ⑧ Other option:  
-NH= For Lead Free IR Processes  
and Halogen-Free

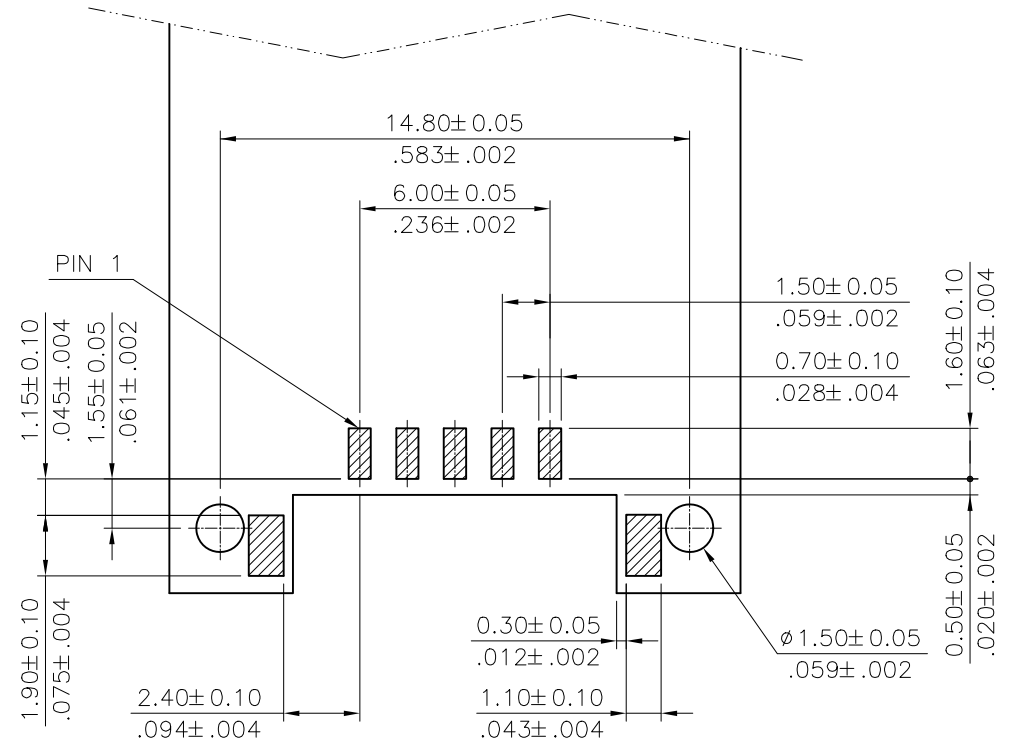
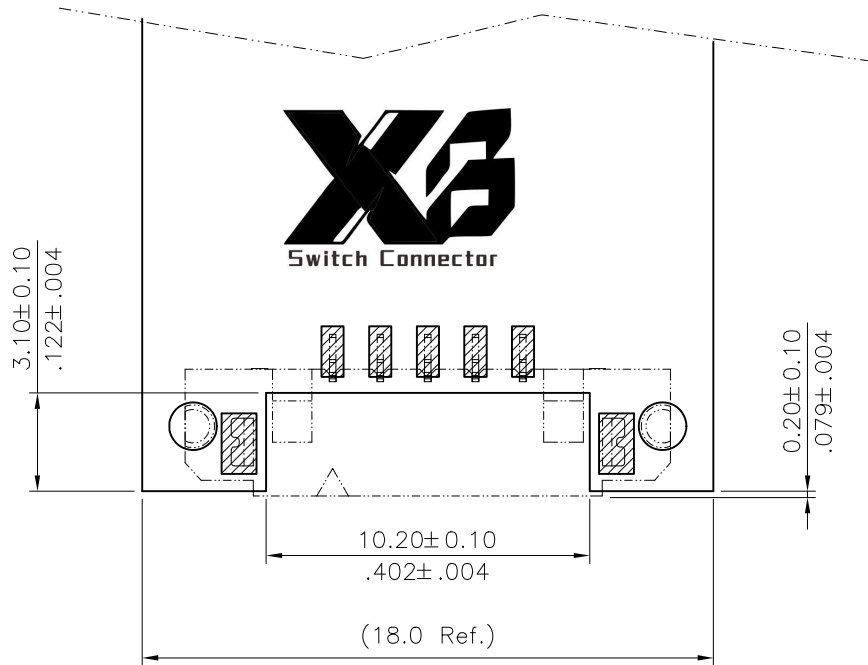


Halogen-Free

Lead Free Process

RoHS Compliant

|              |       |          |            |              |        |                 |                                         |                                      |                                                                                                                                         |           |             |          |          |                |
|--------------|-------|----------|------------|--------------|--------|-----------------|-----------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|----------|----------|----------------|
| <div>4</div> |       |          |            |              | DATE   | UNIT: mm / inch |                                         | TITLE: For CP15 series<br>Plug conn. | <div><div><div>X3</div><div>Switch Connector</div></div><div>东莞市溪榜电子有限公司</div><div>DONG GUAN XI BANG ELECTRONI CS CO., LTD.</div></div> |           |             |          |          |                |
| <div>3</div> | Sun   | 9/28-17  | ECNT117195 | DRAWN BY:    | Sun    | 9/28-17         | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED |                                      |                                                                                                                                         |           |             |          |          |                |
| <div>2</div> | Karen | 9/13-17  | ECNT117187 | ENGINEER:    | Sun    | 9/28-17         | <div>.X ± 0.30/.012</div>               | <div>X' ± r'</div>                   |                                                                                                                                         | MATERIAL: | DRAWING NO. | CP1531SC | PART NO. | CP1505M9PRC-NH |
| <div>1</div> | Clark | 08/22-17 | ECNT117165 | CHECKED BY:  | Eisley | 9/30-17         | <div>.XX ± 0.20/.008</div>              | <div>.X' ±</div>                     |                                                                                                                                         |           |             |          |          |                |
| SYM          | NAME  | DATE     | REVISIONS  | APPROVED BY: | Eisley | 9/30-17         | <div>.XXX ± 0.10/.004</div>             | <div>.XX' ±</div>                    | FINISH:                                                                                                                                 | SCALE     | 4 / 1       | SHEET    | 1 OF 4   |                |



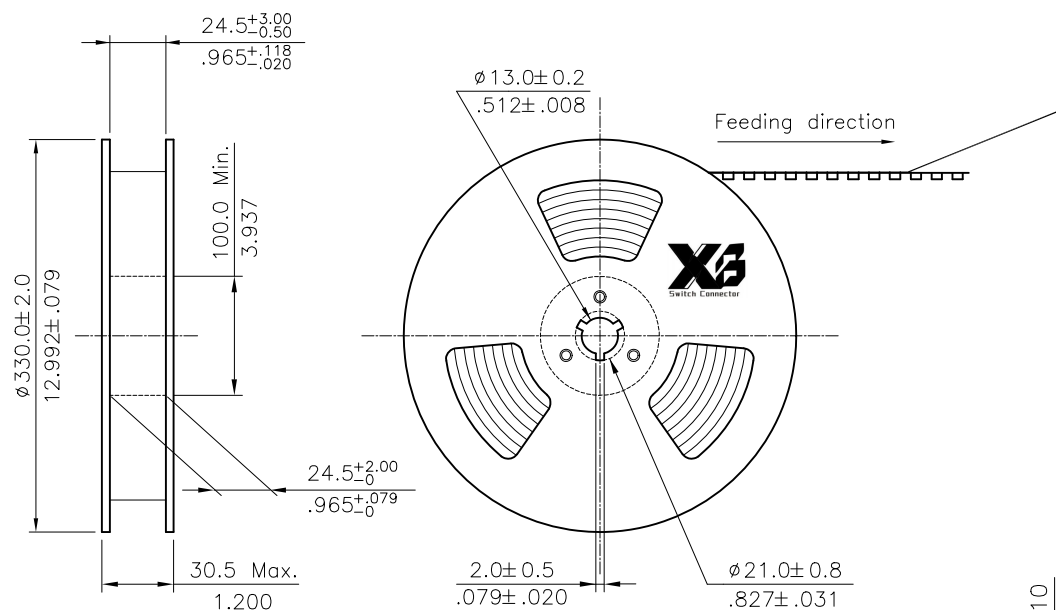
Recommended P.C.B Layout

Halogen-Free

Lead Free Process

RoHS Compliant

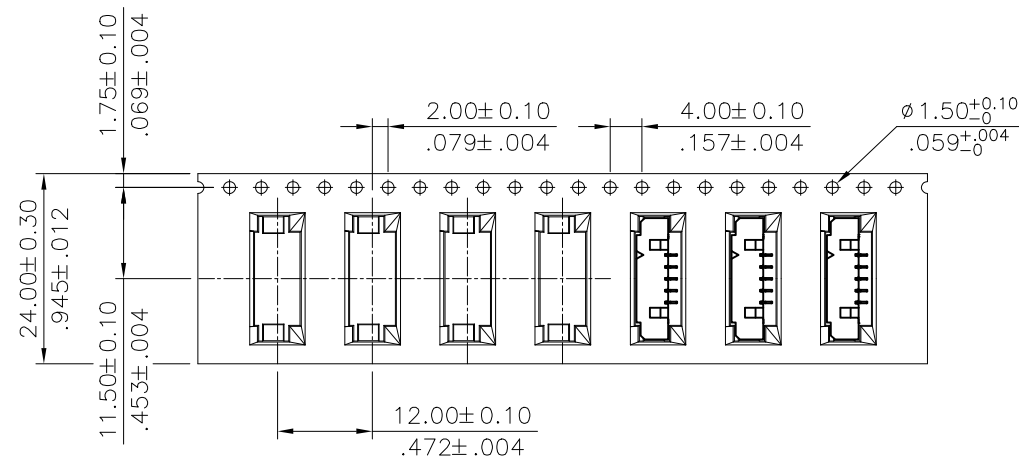
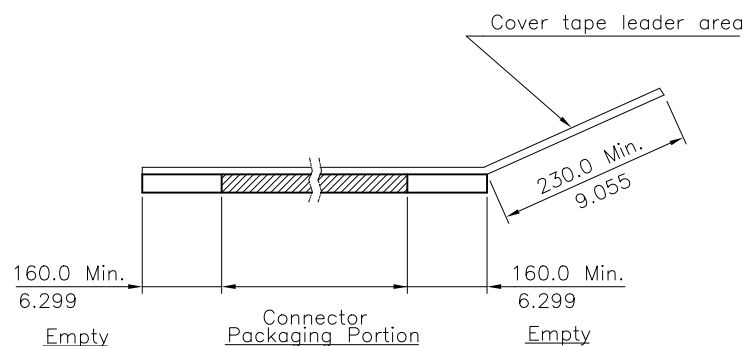
|     |       |          |            |              |        |                 |                                   |                                                                                                                                                     |       |       |        |
|-----|-------|----------|------------|--------------|--------|-----------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------|
| 4   |       |          |            |              | DATE   | UNIT: mm / inch | TITLE: For CP15 series Plug conn. |  <b>东莞市溪榜电子有限公司</b><br>DONG GUAN XI BANG ELECTRONICS CO., LTD. |       |       |        |
| 3   | Sun   | 9/28-17  | ECNT117195 | DRAWN BY:    | Sun    | 9/28-17         |                                   |                                                                                                                                                     |       |       |        |
| 2   | Karen | 9/13-17  | ECNT117187 | ENGINEER:    | Sun    | 9/28-17         |                                   | DRAWING NO. <b>CP1531SC</b> PART NO. <b>CP1505M9PRC-NH</b>                                                                                          |       |       |        |
| 1   | Clark | 08/22-17 | ECNT117165 | CHECKED BY:  | Eisley | 9/30-17         |                                   |                                                                                                                                                     |       |       |        |
| SYM | NAME  | DATE     | REVISIONS  | APPROVED BY: | Eisley | 9/30-17         |                                   | SCALE                                                                                                                                               | 4 / 1 | SHEET | 2 OF 4 |



NOTE :

- \* Reel Material : HIPS
- \* Carrier Material : Clear, Conductive Polystyrene Alloy
- \* Cover Tape Material : Polyester
- \* Cover Tape Peel Strength : 0.1N – 1.3N
- \* Carrier camber is within 1mm in 100mm
- \* All dimensions meet EIA-481-2 & EIA-481-3 requirements.
- \* Quantity : 1800 PCS/Reel
- \* Packing : 9 Reel/Carton

Feeding direction



WIDTH : 24 mm Carrier

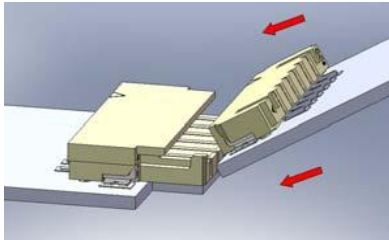
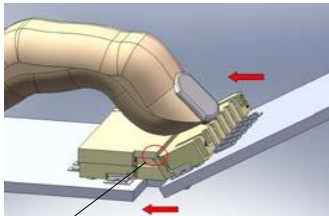
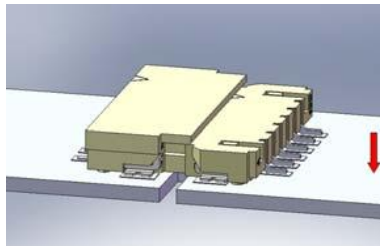
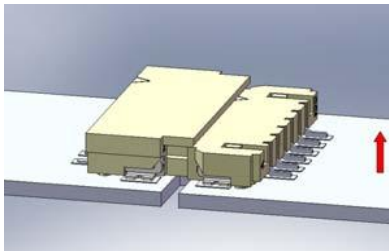
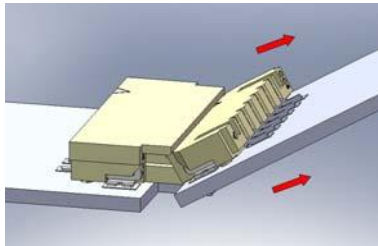
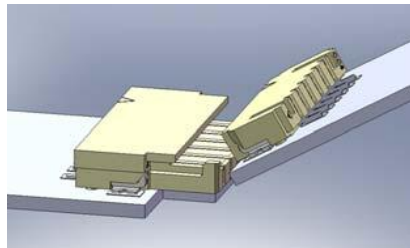
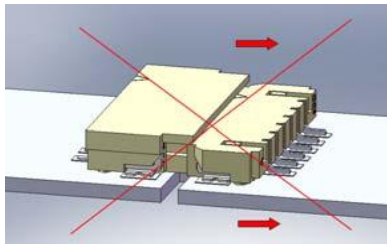
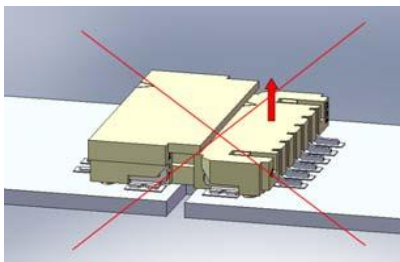
RoHS Compliant

| 4   |       |          |            |              | DATE   | UNIT: mm / inch | TITLE:                                  |
|-----|-------|----------|------------|--------------|--------|-----------------|-----------------------------------------|
| 3   | Sun   | 9/28-17  | ECNT117195 | DRAWN BY:    | Sun    | 9/28-17         | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED |
| 2   | Karen | 9/13-17  | ECNT117187 | ENGINEER:    | Sun    | 9/28-17         | .X ±                                    |
| 1   | Clark | 08/22-17 | ECNT117165 | CHECKED BY:  | Eisley | 9/30-17         | .XX ±                                   |
| SYM | NAME  | DATE     | REVISIONS  | APPROVED BY: | Eisley | 9/30-17         | .XXX ±                                  |

**东莞市溪榜电子有限公司**  
DONG GUAN XI BANG ELECTRONICS CO., LTD.

DRAWING NO. CP1531SC PART NO. CP1505M9PRC-NH

SCALE SHEET 3 OF 4

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |                                                                                     |                                                                                   |                                                                                                                 |        |                                                                                      |                                                                                    |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------------|--|--|--|------|-----------------|--|---------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|-----|----------|------------|-----------|-----|----------|-----------------------------------------|--|-----------|--|-------------|----------|----------|----------------|---|-------|----------|------------|-----------|-----|----------|----------------|--------|---------|--|-------|--|-------|--------|---|-------|----------|------------|-------------|--------|----------|-----------------|-------|-----|------|------|-----------|--------------|--------|----------|------------------|--------|--|--|--|--|--|--|
| Mating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Step 1: The male header should be tilted during insertion at 30°~60°.        |                                                                                     |                                                                                   | Step 2: Push the male header to the end. Make sure the male header is under the rib of female header by finger. |        |                                                                                      | Step 3: Press down the male header down vertically to finish the connection.       |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Female                                                                       |                                                                                     |  | Male                                                                                                            | Female |                                                                                      |  | Male                      | Female    |                                                                                                                                                               |  | Male     |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Move the male header under the rib of female header.                         |                                                                                     |                                                                                   |                                                                                                                 |        |                                                                                      |                                                                                    |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| Unmating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Step 1: Lift the male header up at 30°~60°.                                  |                                                                                     |                                                                                   | Step 2: Remove male header at an angle to finish the disconnection.                                             |        |                                                                                      | Step 3: Finish                                                                     |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Female                                                                       |                                                                                     |  | Male                                                                                                            | Female |                                                                                      |  | Male                      | Female    |                                                                                                                                                               |  | Male     |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Please do not separate the connectors horizontally to prevent damaging them. |                                                                                     |                                                                                   |                                                                                                                 |        |                                                                                      |                                                                                    |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| Female                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |  | Male                                                                              | Female                                                                                                          |        |  | Male                                                                               |                           |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| <table><tr><td>4</td><td></td><td></td><td></td><td></td><td>DATE</td><td colspan="2">UNIT: mm / inch</td><td colspan="2">TITLE:<br/>For CP15 series</td><td colspan="2"> 东莞市溪榜电子有限公司<br/>Switch Connector DONG GUAN XI BANG ELECTRONICS CO., LTD.</td></tr><tr><td>3</td><td>Sun</td><td>9/28-17'</td><td>ECNT117195</td><td>DRAWN BY:</td><td>Sun</td><td>9/28-17'</td><td colspan="2">TOLERANCE<br/>UNLESS OTHERWISE SPECIFIED</td><td colspan="2">MATERIAL:</td><td>DRAWING NO.</td><td>CP1531SC</td><td>PART NO.</td><td>CP1505M9PRC-NH</td></tr><tr><td>2</td><td>Karen</td><td>9/13-17'</td><td>ECNT117187</td><td>ENGINEER:</td><td>Sun</td><td>9/28-17'</td><td>.X ± 0.30/.012</td><td>X' ± r</td><td colspan="2" rowspan="2">FINISH:</td><td rowspan="2">SCALE</td><td rowspan="2"></td><td rowspan="2">SHEET</td><td rowspan="2">4 OF 4</td></tr><tr><td>1</td><td>Clark</td><td>08/22-17</td><td>ECNT117165</td><td>CHECKED BY:</td><td>Eisley</td><td>9/30-17'</td><td>.XX ± 0.20/.008</td><td>.X' ±</td></tr><tr><td>SYM</td><td>NAME</td><td>DATE</td><td>REVISIONS</td><td>APPROVED BY:</td><td>Eisley</td><td>9/30-17'</td><td>.XXX ± 0.10/.004</td><td>.XX' ±</td><td colspan="2"></td><td></td><td></td><td></td><td></td></tr></table> |                                                                              |                                                                                     |                                                                                   |                                                                                                                 |        |                                                                                      |                                                                                    |                           |           |                                                                                                                                                               |                                                                                     |          | 4        |                |  |  |  | DATE | UNIT: mm / inch |  | TITLE:<br>For CP15 series |  |  东莞市溪榜电子有限公司<br>Switch Connector DONG GUAN XI BANG ELECTRONICS CO., LTD. |  | 3 | Sun | 9/28-17' | ECNT117195 | DRAWN BY: | Sun | 9/28-17' | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED |  | MATERIAL: |  | DRAWING NO. | CP1531SC | PART NO. | CP1505M9PRC-NH | 2 | Karen | 9/13-17' | ECNT117187 | ENGINEER: | Sun | 9/28-17' | .X ± 0.30/.012 | X' ± r | FINISH: |  | SCALE |  | SHEET | 4 OF 4 | 1 | Clark | 08/22-17 | ECNT117165 | CHECKED BY: | Eisley | 9/30-17' | .XX ± 0.20/.008 | .X' ± | SYM | NAME | DATE | REVISIONS | APPROVED BY: | Eisley | 9/30-17' | .XXX ± 0.10/.004 | .XX' ± |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |                                                                                     |                                                                                   |                                                                                                                 | DATE   | UNIT: mm / inch                                                                      |                                                                                    | TITLE:<br>For CP15 series |           |  东莞市溪榜电子有限公司<br>Switch Connector DONG GUAN XI BANG ELECTRONICS CO., LTD. |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sun                                                                          | 9/28-17'                                                                            | ECNT117195                                                                        | DRAWN BY:                                                                                                       | Sun    | 9/28-17'                                                                             | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED                                            |                           | MATERIAL: |                                                                                                                                                               | DRAWING NO.                                                                         | CP1531SC | PART NO. | CP1505M9PRC-NH |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Karen                                                                        | 9/13-17'                                                                            | ECNT117187                                                                        | ENGINEER:                                                                                                       | Sun    | 9/28-17'                                                                             | .X ± 0.30/.012                                                                     | X' ± r                    | FINISH:   |                                                                                                                                                               | SCALE                                                                               |          | SHEET    | 4 OF 4         |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Clark                                                                        | 08/22-17                                                                            | ECNT117165                                                                        | CHECKED BY:                                                                                                     | Eisley | 9/30-17'                                                                             | .XX ± 0.20/.008                                                                    | .X' ±                     |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |
| SYM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NAME                                                                         | DATE                                                                                | REVISIONS                                                                         | APPROVED BY:                                                                                                    | Eisley | 9/30-17'                                                                             | .XXX ± 0.10/.004                                                                   | .XX' ±                    |           |                                                                                                                                                               |                                                                                     |          |          |                |  |  |  |      |                 |  |                           |  |                                                                                                                                                               |  |   |     |          |            |           |     |          |                                         |  |           |  |             |          |          |                |   |       |          |            |           |     |          |                |        |         |  |       |  |       |        |   |       |          |            |             |        |          |                 |       |     |      |      |           |              |        |          |                  |        |  |  |  |  |  |  |