

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

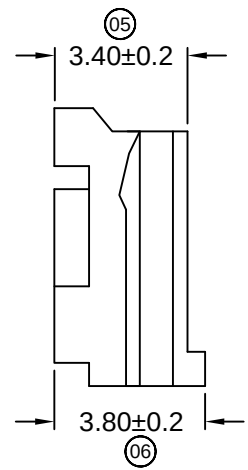
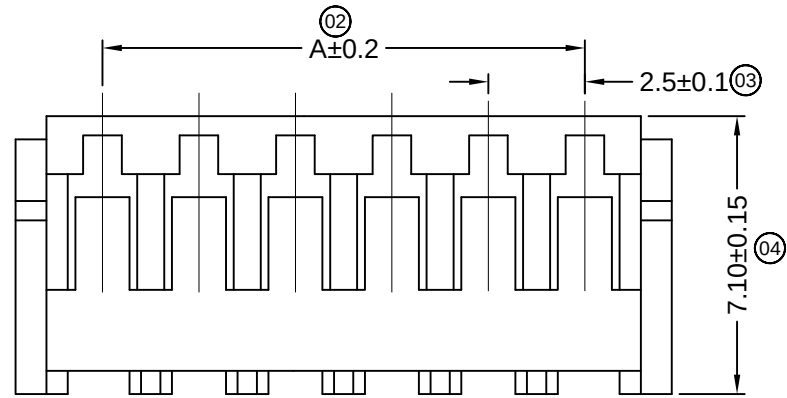
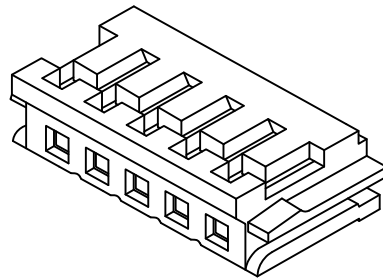
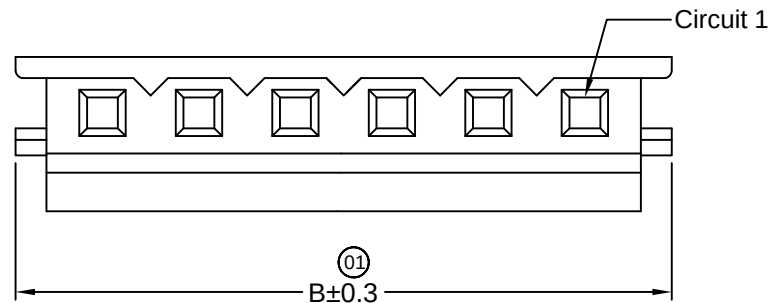
B

C

D

E

F



■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance:≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ

X2581H X-XX X-N0 XX  
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.
- ② Category: H-HSG
- ③ Appearance type: Blank-Ordinary
- ④ Row No.-Pin No.: XX-Single Row
- ⑤ Plug the Pin & Special No. Blank-Ordinary
- ⑥ Material : N0-PA66 94V-0
- ⑦ Color: Blank : Natural Color

| Poles | Dimensions (mm) |       |
|-------|-----------------|-------|
|       | A               | B     |
| 02    | 2.50            | 7.00  |
| 03    | 5.00            | 9.50  |
| 04    | 7.50            | 12.00 |
| 05    | 10.00           | 14.50 |
| 06    | 12.50           | 17.00 |
| 07    | 15.00           | 19.50 |
| 08    | 17.50           | 22.00 |
| 09    | 20.00           | 24.50 |
| 10    | 22.50           | 27.00 |
| 11    | 25.00           | 29.50 |
| 12    | 27.50           | 32.00 |
| 13    | 30.00           | 34.50 |
| 14    | 32.50           | 37.00 |
| 15    | 35.00           | 39.50 |

|              |                   |                       |                       |
|--------------|-------------------|-----------------------|-----------------------|
| X2581H-XX-N0 | Nylon 66 UL 94V-0 | X2581T                | X2581W                |
| PART NO      | Material          | Suitable XKB Terminal | Suitable XKB Terminal |

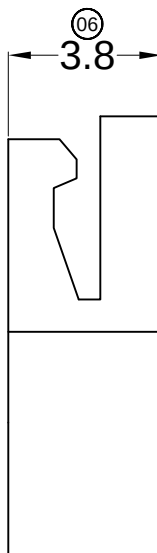
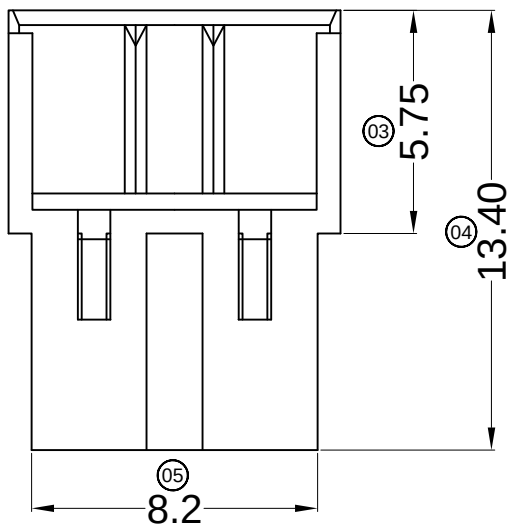
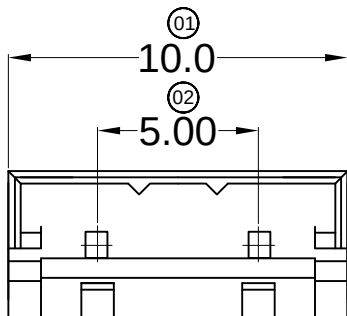
For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

|      |  |  |  |  |             |       |
|------|--|--|--|--|-------------|-------|
| △ X  |  |  |  |  | ANGULAR     | ± 5°  |
| △ X  |  |  |  |  | L ≤ 4       | ± 0.2 |
| △ X  |  |  |  |  | 4 < L ≤ 16  | ± 0.3 |
| △ X  |  |  |  |  | 16 < L ≤ 63 | ± 0.4 |
| MARK |  |  |  |  | L > 63      | ± 0.5 |

| REVISIONS | DESCRIPTION | DATE | REVISED | APPROVED | UNSPECIFIED TOLERANCES |
|-----------|-------------|------|---------|----------|------------------------|
|-----------|-------------|------|---------|----------|------------------------|

|                                       |  |      |  |            |                                          |
|---------------------------------------|--|------|--|------------|------------------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A | MODEL TYPE:                              |
| DWN                                   |  | DATE |  | VIEW:      | X2581H-XX-N0                             |
| CHKD                                  |  | DATE |  | UNIT: mm   | PART NO.: 2.50 mm Crimp Style Connectors |
| APPD                                  |  | DATE |  | SIZE: A4   | DWG NO.:                                 |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  |            | WEIGHT 1.0g                              |
|                                       |  |      |  |            | SHEET 1/1                                |
|                                       |  |      |  |            | REVISION A0                              |

1 2 3 4 5 6 7 8



## ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance:  $\geq 1000\text{M}\Omega$
- Contact resistance:  $\leq 10\text{m}\Omega$
- After environmental testing:  $\leq 20\text{m}\Omega$

X2581H F-XX X-N2 XX

① ② ③ ④ ⑤ ⑥ ⑦

① Series No.

② Category: H-HSG

③ Appearance type: F-Female

④ Row No.-Pin No.: XX-Single Row

⑤ Plug the Pin & Special No. Blank-Ordinary

⑥ Material : N2-PA66 94V-2

⑦ Color: Blank : Natural Color

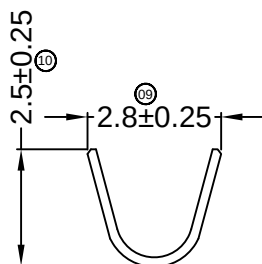
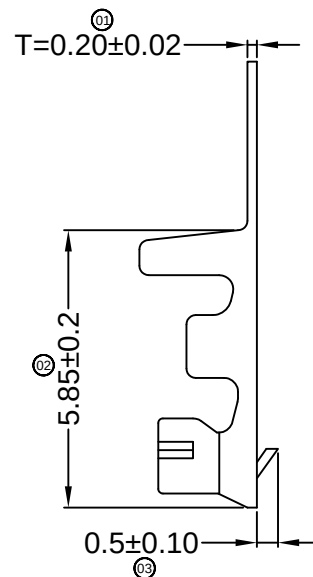
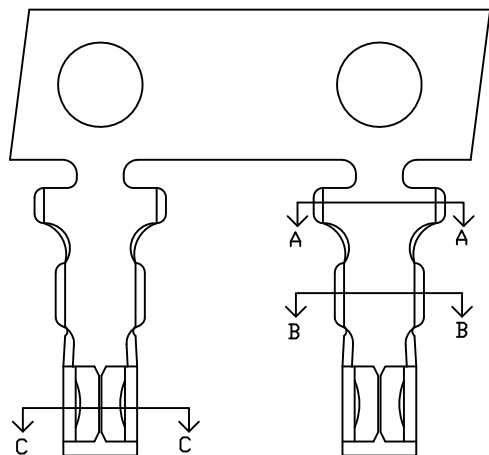
| Poles | Dimensions (mm) |       |
|-------|-----------------|-------|
|       | A               | B     |
| 02    | 2.50            | 7.00  |
| 03    | 5.00            | 9.50  |
| 04    | 7.50            | 12.00 |
| 05    | 10.00           | 14.50 |
| 06    | 12.50           | 17.00 |
| 07    | 15.00           | 19.50 |
| 08    | 17.50           | 22.00 |
| 09    | 20.00           | 24.50 |
| 10    | 22.50           | 27.00 |
| 11    | 25.00           | 29.50 |
| 12    | 27.50           | 32.00 |
| 13    | 30.00           | 34.50 |
| 14    | 32.50           | 37.00 |
| 15    | 35.00           | 39.50 |

|               |                   |                       |                       |
|---------------|-------------------|-----------------------|-----------------------|
| X2581HF-XX-N2 | Nylon 66 UL 94V-2 | X2581TM               | X2581W                |
| PART NO       | Material          | Suitable XKB Terminal | Suitable XKB Terminal |

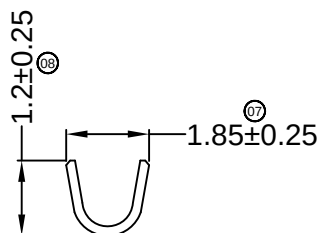
For and on behalf of  
XKB INDUSTRIAL PRECISION CO., LIMITED  
香港星坤工業精密有限公司

|                         |  |  |  |                        |             |          |
|-------------------------|--|--|--|------------------------|-------------|----------|
| △ X                     |  |  |  |                        | ANGULAR     | ± 5°     |
| △ X                     |  |  |  |                        | L ≤ 4       | ± 0.2    |
| △ X                     |  |  |  |                        | 4 < L ≤ 16  | ± 0.3    |
| △ X                     |  |  |  |                        | 16 < L ≤ 63 | ± 0.4    |
| MARK                    |  |  |  |                        | L > 63      | ± 0.5    |
| DESCRIPTION             |  |  |  | DATE                   | REVISED     | APPROVED |
| REVISIONS               |  |  |  | UNSPECIFIED TOLERANCES |             |          |
| Authorized Signature(s) |  |  |  |                        |             |          |

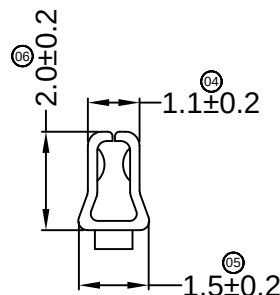
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|---------------------------------------|--|------|--|----------------|--------------------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A     | MODEL TYPE:<br>X2581HF-XX-N2               |
| DWN                                   |  | DATE |  | VIEW:          | PART NO.:<br>2.50 mm Crimp style Connector |
| CHKD                                  |  | DATE |  | UNIT: mm       | DWG NO.:                                   |
| APPD                                  |  | DATE |  | SIZE: A4       |                                            |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  | WEIGHT<br>1.0g | SHEET<br>1/1                               |
|                                       |  |      |  | REVISION<br>A0 |                                            |



SECTION: A-A  
SCALE: 1:1



SECTION: B-B  
SCALE: 1:1



SECTION: C-C  
SCALE: 1:1

## Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ

X2581 T X-P SN X-X

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.  
② Category: T-Terminal  
③ Appearance type: Blank-Ordinary  
④ Material: P-Phosphor bronze ; B-Brass  
⑤ Plating Style: G\*\*-Gold Plated Contact  
V\*\*- All Gold-Plated  
01-Gold Flash 02-2u" 03-3u"  
05-5u" 10-10u" 15-15u"  
SN-Bright Tin Plating (70u")  
SN1-Bright Tin Plating (120u" Min).  
0-No Plating Material  
SW- Fog Tin Plating  
⑥ Plating Method : Blank-Stamping before Plating  
⑦ Mold No./Mark/Special No.

|            |                 |            |                 |                                               |                     |
|------------|-----------------|------------|-----------------|-----------------------------------------------|---------------------|
| X2581T-PSN | Phosphor Bronze | AWG#22-30  | 1.90mm(Max)     | Stamping Before Plating:30~50u" Ni;70~120u"Sn | X2581H              |
| PART NO    | Material        | Wire Range | Insulation O.D. | Finish                                        | Used In XKB Housing |

For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

|                                       |             |  |  |  |  |      |             |          |                        |       |
|---------------------------------------|-------------|--|--|--|--|------|-------------|----------|------------------------|-------|
| XKB INDUSTRIAL PRECISION CO., LIMITED |             |  |  |  |  |      | ANGULAR     | ± 5°     |                        |       |
| 香港星坤工業精密有限公司                          |             |  |  |  |  |      | L ≤ 4       | ± 0.2    |                        |       |
| △ X                                   |             |  |  |  |  |      | 4 < L ≤ 16  | ± 0.3    |                        |       |
| △ X                                   |             |  |  |  |  |      | 16 < L ≤ 63 | ± 0.4    |                        |       |
| MARK                                  | DESCRIPTION |  |  |  |  | DATE | REVISED     | APPROVED | L > 63                 | ± 0.5 |
| REVISIONS                             |             |  |  |  |  |      |             |          | UNSPECIFIED TOLERANCES |       |
| Authorized Signature(s)               |             |  |  |  |  |      |             |          |                        |       |

Authorized Signature(s)

|                                      |  |      |  |                                                                                             |                                |       |          |
|--------------------------------------|--|------|--|---------------------------------------------------------------------------------------------|--------------------------------|-------|----------|
| DSND                                 |  | DATE |  | SCALE: N/A                                                                                  | MODEL TYPE:<br><br>X2581T-PSN  |       |          |
| DWN                                  |  | DATE |  | VIEW:  | PART NO.:                      |       |          |
| CHKD                                 |  | DATE |  | UNIT: mm                                                                                    | 2.50 mm Crimp Style Connectors |       |          |
| APPD                                 |  | DATE |  | SIZE: A4                                                                                    | DWG NO.:                       |       |          |
| XKB INDUSTRIAL PRECISION CO.,LIMITED |  |      |  |                                                                                             | WEIGHT                         | SHEET | REVISION |
|                                      |  |      |  |                                                                                             | 1.0g                           | 1/1   | A0       |

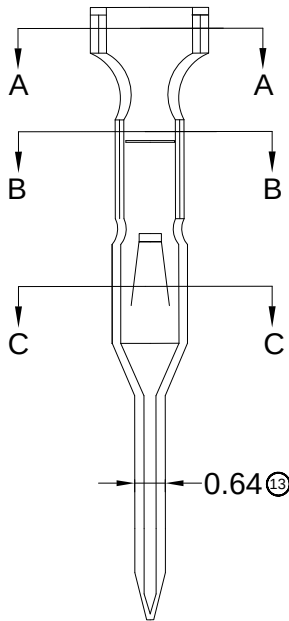
## Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance:  $\geq 1000\text{M}\Omega$
- Contact resistance:  $\leq 10\text{m}\Omega$
- After environmental testing:  $\leq 20\text{m}\Omega$

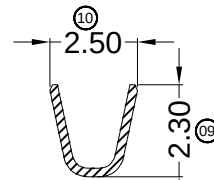
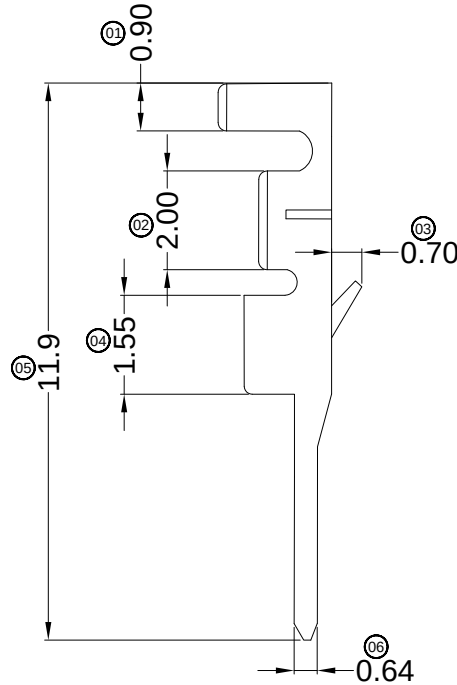
X2581 T M-P SN X-X

① ② ③ ④ ⑤ ⑥ ⑦

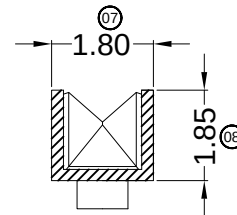
- ① Series No.  
② Category: T-Terminal  
③ Appearance type: M-Male Terminal  
④ Material: P-Phosphor bronze ; B-Brass  
⑤ Plating Style: G\*\*-Gold Plated Contact  
V\*\*- All Gold-Plated  
01-Gold Flash 02-2u" 03-3u"  
05-5u" 10-10u" 15-15u"  
SN-Bright Tin Plating (70u")  
SN1-Bright Tin Plating (120u" Min).  
0-No Plating Material  
SW- Fog Tin Plating  
⑥ Plating Method : Blank-Stamping before Plating  
⑦ Mold No./Mark/Special No.



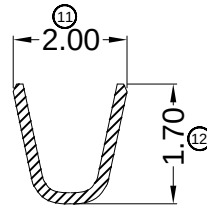
SECTION: A-A  
SCALE: 1:1



SECTION: B-B  
SCALE: 1:1



SECTION: C-C  
SCALE: 1:1



|             |                 |            |                 |                                               |                     |
|-------------|-----------------|------------|-----------------|-----------------------------------------------|---------------------|
| X2581TM-PSN | Phosphor Bronze | AWG#22-30  | 1.90mm(Max)     | Stamping Before Plating:30~50u" Ni;70~120u"Sn | X2581HF             |
| PART NO     | Material        | Wire Range | Insulation O.D. | Finish                                        | Used In XKB Housing |

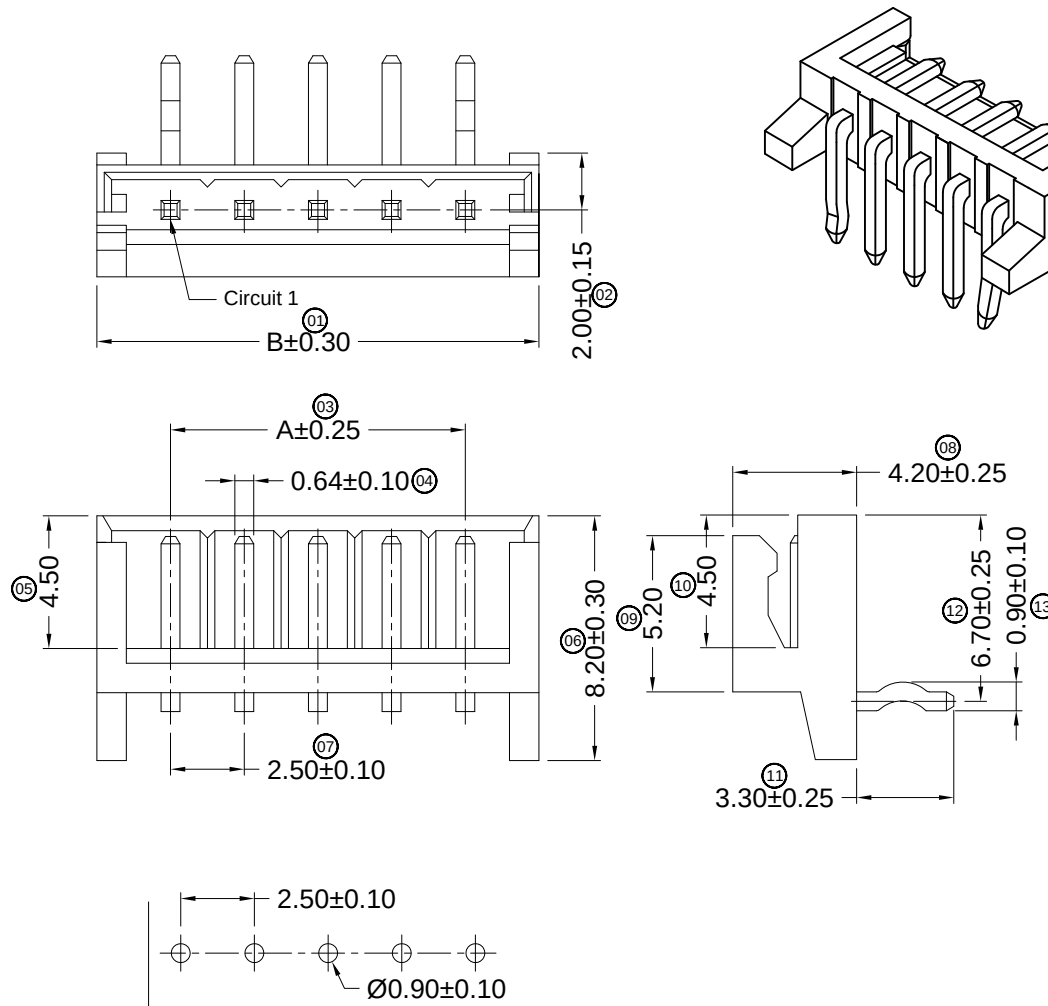
For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

|                         |  |  |  |                        |             |       |
|-------------------------|--|--|--|------------------------|-------------|-------|
| △ X                     |  |  |  |                        | ANGULAR     | ± 5°  |
| △ X                     |  |  |  |                        | L ≤ 4       | ± 0.2 |
| △ X                     |  |  |  |                        | 4 < L ≤ 16  | ± 0.3 |
| MARK                    |  |  |  |                        | 16 < L ≤ 63 | ± 0.4 |
|                         |  |  |  |                        | L > 63      | ± 0.5 |
| REVISIONS               |  |  |  | UNSPECIFIED TOLERANCES |             |       |
| AUTHORIZED SIGNATURE(S) |  |  |  |                        |             |       |

|                                       |  |      |  |                |                                            |
|---------------------------------------|--|------|--|----------------|--------------------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A     | MODEL TYPE:<br>X2581TM-PSN                 |
| DWN                                   |  | DATE |  | VIEW:          | PART NO.:<br>2.50 mm Crimp Style Connector |
| CHKD                                  |  | DATE |  | UNIT: mm       | DWG NO.:                                   |
| APPD                                  |  | DATE |  | SIZE: A4       |                                            |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  | WEIGHT<br>1.0g | SHEET<br>1/1                               |
|                                       |  |      |  | REVISION<br>A0 |                                            |

## Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance:  $\geq 1000\text{M}\Omega$
- Contact resistance:  $\leq 10\text{m}\Omega$
- After environmental testing:  $\leq 20\text{m}\Omega$



X2581 W R X- XX X-N0 SN XX  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.  
② Category: W-Wafer  
③ Welding Board Angle: V-180°; R-90°  
④ Welding Way: Blank-DIP; S-SMT  
⑤ Row No.-Pin No.: XX-Single Row; 2\*XX-Double Row  
⑥ Plug the Pin & Special No.:  
⑦ Material: N0 -PA66 94V-0  
⑧ Plating Category: G\*\*-Gold Plated Contact  
V\*\*- All Gold-Plated  
01-Gold Flash 02-2u" 03-3u"  
05-5u" 10-10u" 15-15u"  
SN1-Bright Tin Plating (70u")  
SN1-Bright Tin Plating (120u" Min).  
0-No Plating Material  
SW- Fog Tin Plating  
HS-High temperature Tin  
⑨ Color : Blank-Natural Color

| Poles | Dimensions (mm) |       |
|-------|-----------------|-------|
|       | A               | B     |
| 02    | 2.50            | 7.50  |
| 03    | 5.00            | 10.00 |
| 04    | 7.50            | 12.50 |
| 05    | 10.00           | 15.00 |
| 06    | 12.50           | 17.50 |
| 07    | 15.00           | 20.00 |
| 08    | 17.50           | 22.50 |
| 09    | 20.00           | 25.00 |
| 10    | 22.50           | 27.50 |
| 11    | 25.00           | 30.00 |
| 12    | 27.50           | 32.50 |
| 13    | 30.00           | 35.00 |
| 14    | 32.50           | 37.50 |
| 15    | 35.00           | 40.00 |

Recommend PCB Layout

|                 |                   |               |             |                        |
|-----------------|-------------------|---------------|-------------|------------------------|
| X2581WR-XX-N0SN | Nylon 66 UL 94V-0 | Brass         | Tin-Plated  | X2581H                 |
| PART N0         | Material          | Material(Pin) | Finish(Pin) | Mates With XKB Housing |

For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

| MARK                    | DESCRIPTION | DATE | REVISED | APPROVED | UNSPECIFIED TOLERANCES |
|-------------------------|-------------|------|---------|----------|------------------------|
| △ X                     |             |      |         |          | ANGULAR ±5°            |
| △ X                     |             |      |         |          | L ≤ 4 ±0.2             |
| △ X                     |             |      |         |          | 4 < L ≤ 16 ±0.3        |
| △ X                     |             |      |         |          | 16 < L ≤ 63 ±0.4       |
| △ X                     |             |      |         |          | L > 63 ±0.5            |
| REVISIONS               |             |      |         |          |                        |
| Authorized Signature(s) |             |      |         |          |                        |

|                                       |  |      |  |            |                                |
|---------------------------------------|--|------|--|------------|--------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A | MODEL TYPE:<br>X2581WR-XX-N0SN |
| DWN                                   |  | DATE |  | VIEW:      | PART NO.:                      |
| CHKD                                  |  | DATE |  | UNIT: mm   | 2.50 mm Crimp Style connectors |
| APPD                                  |  | DATE |  | SIZE: A4   | DWG NO.:                       |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  |            | WEIGHT<br>1.0g                 |
|                                       |  |      |  |            | SHEET<br>1/1                   |
|                                       |  |      |  |            | REVISION<br>A0                 |

A

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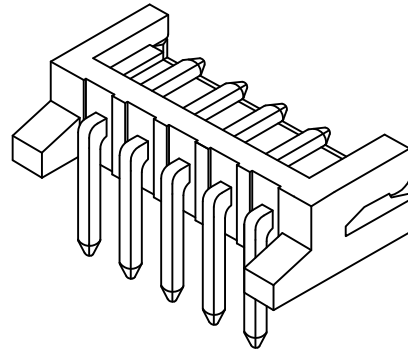
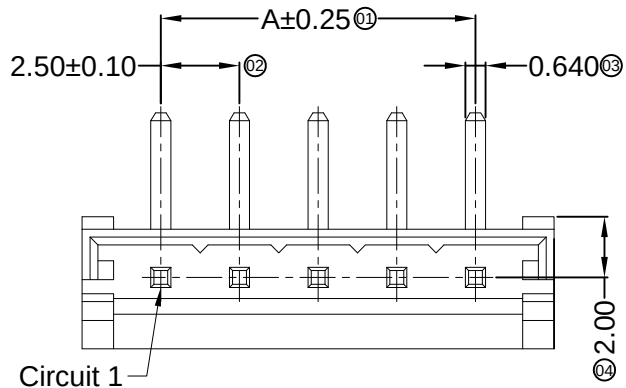
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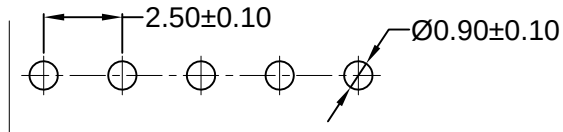
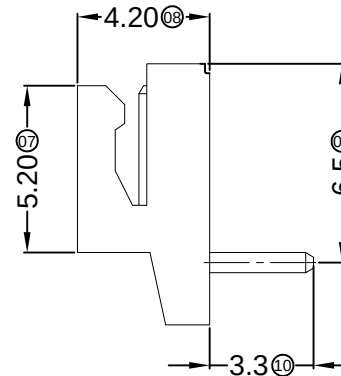
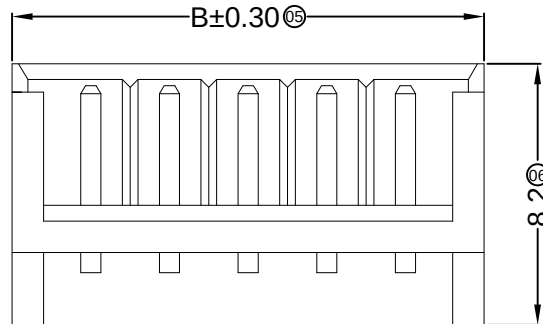


### Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance:  $\geq 1000M\Omega$
- Contact resistance:  $\leq 10m\Omega$
- After environmental testing:  $\leq 20m\Omega$

X2581 W R X-XX A -N0 SN XX  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category: W-WAFER
- ③ Welding Board Angle: R-Right Angle 90°
- ④ Welding Way: Blank-DIP ;
- ⑤ Row No.-Pin No.: XX-Single Row ;
- ⑥ Plug the Pin & Special No.: A-Without KINK
- ⑦ Material: N0 -PA66 94V-0
- ⑧ Plating Category: SN-Bright Tin Plating
- ⑨ Color : Blank-Natural Color



| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |       |
|-------|-----------------|-------|-------|-----------------|-------|
|       | A               | B     |       | A               | B     |
| 02    | 2.50            | 7.50  | 09    | 20.00           | 25.00 |
| 03    | 5.00            | 10.00 | 10    | 22.50           | 27.50 |
| 04    | 7.50            | 12.50 | 11    | 25.00           | 30.00 |
| 05    | 10.00           | 15.00 | 12    | 27.50           | 32.50 |
| 06    | 12.50           | 17.50 | 13    | 30.00           | 35.00 |
| 07    | 15.00           | 20.00 | 14    | 32.50           | 37.50 |
| 08    | 17.50           | 22.50 | 15    | 35.00           | 40.00 |

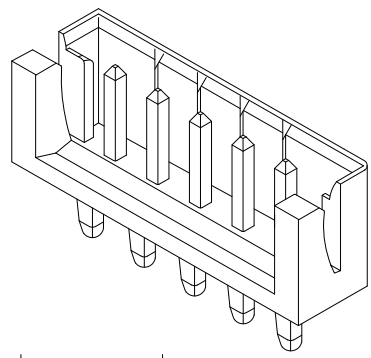
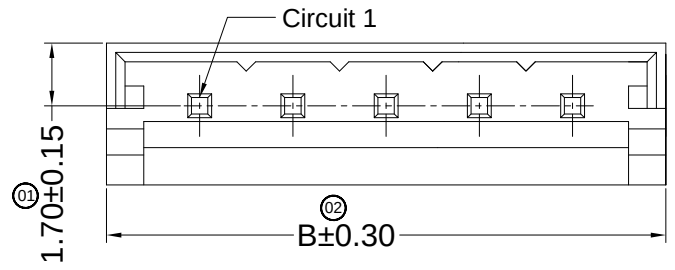
|                  |                   |               |             |                        |
|------------------|-------------------|---------------|-------------|------------------------|
| X2581WR-XXA-N0SN | Nylon 66 UL 94V-0 | Brass         | Tin-Plated  | X2581H                 |
| PART N0          | Material          | Material(Pin) | Finish(Pin) | Mates With XXB Housing |

For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

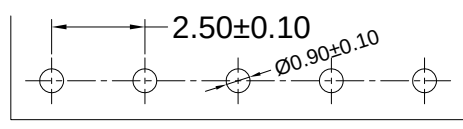
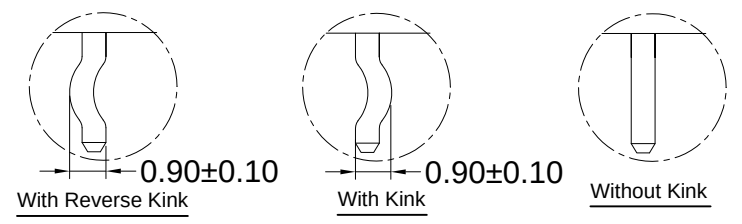
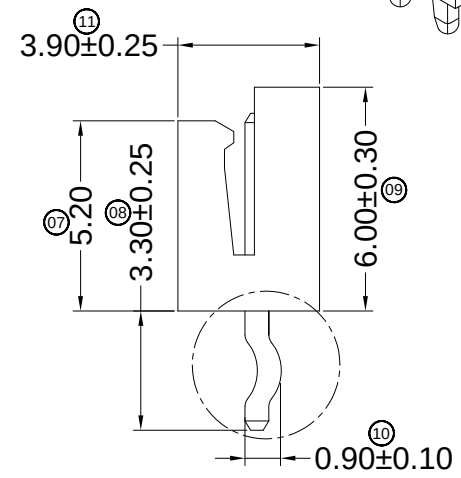
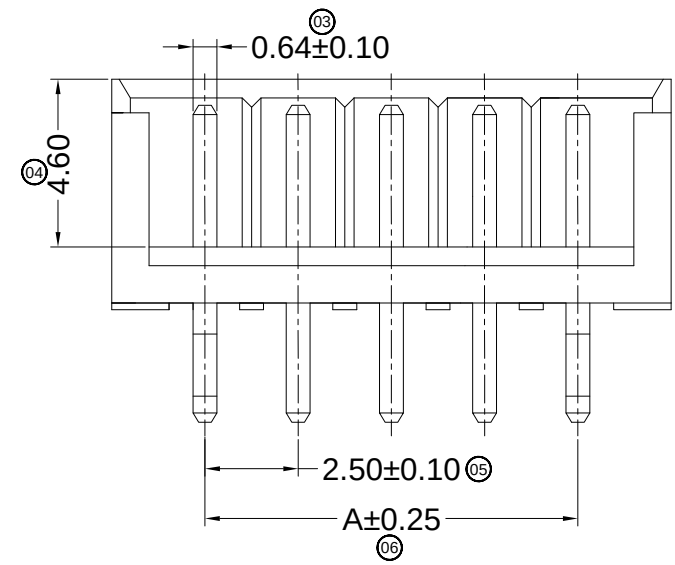
|                         |  |  |  |                        |                  |               |
|-------------------------|--|--|--|------------------------|------------------|---------------|
| △ X                     |  |  |  |                        | ANGULAR          | $\pm 5^\circ$ |
| △ X                     |  |  |  |                        | $L \leq 4$       | $\pm 0.2$     |
| △ X                     |  |  |  |                        | $4 < L \leq 16$  | $\pm 0.3$     |
| MARK                    |  |  |  |                        | $16 < L \leq 63$ | $\pm 0.4$     |
|                         |  |  |  |                        | $L > 63$         | $\pm 0.5$     |
| DESCRIPTION             |  |  |  | DATE                   | REVISED          | APPROVED      |
| REVISIONS               |  |  |  | UNSPECIFIED TOLERANCES |                  |               |
| Authorized Signature(s) |  |  |  |                        |                  |               |

|                                       |  |      |  |                |                                 |
|---------------------------------------|--|------|--|----------------|---------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A     | MODEL TYPE:<br>X2581WR-XXA-N0SN |
| DWN                                   |  | DATE |  | VIEW:          | PART NO.:                       |
| CHKD                                  |  | DATE |  | UNIT: mm       | 2.50 mm Crimp Style connectors  |
| APPD                                  |  | DATE |  | SIZE: A4       | DWG NO.:                        |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  | WEIGHT<br>1.0g | SHEET<br>1/1                    |
|                                       |  |      |  | REVISION<br>A0 |                                 |





- Specifications :**
- Voltage rating: 250V AC / DC
  - Current rating: 3A AC / DC
  - Withstanding voltage: 800V AC/minute
  - Temperature range: -25°C~+85°C
  - Insulation resistance: ≥1000MΩ
  - Contact resistance: ≤10mΩ
  - After environmental testing: ≤20mΩ



**Recommend PCB Layout**

|                  |                   |               |             |                        |
|------------------|-------------------|---------------|-------------|------------------------|
| X2581WV-XXX-N0SN | Nylon 66 UL 94V-0 | Brass         | Tin-Plated  | X2581H                 |
| PART NO          | Material          | Material(Pin) | Finish(Pin) | Mates With XKB Housing |

X2581 W V X- XX X-N0 SN XX  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

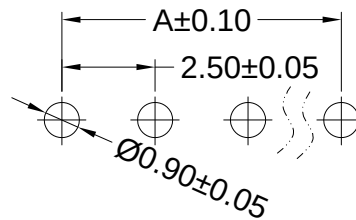
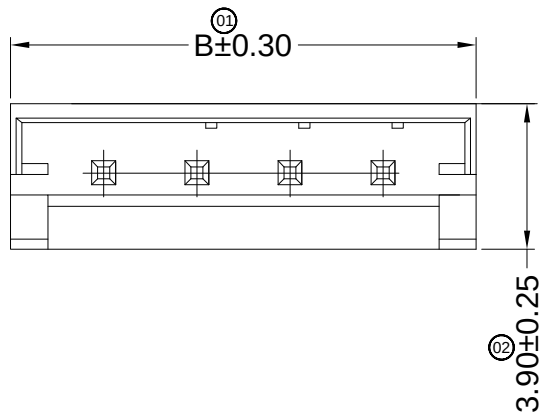
① Series No.  
② Category: W-Wafer  
③ Welding Board Angle: V-180° ; R-90°  
④ Welding Way: Blank-DIP ; S-SMT  
⑤ Row No.-Pin No.: XX-Single Row ; 2\*XX-Double Row  
⑥ Plug the Pin & Special No. : Blank-With Kink  
A-Without Kink ; B-With Reverse Kink  
⑦ Material: N0 -PA66 94V-0  
⑧ Plating Category: G\*\*-Gold Plated Contact  
V\*\*- All Gold-Plated  
01-Gold Flash 02-2u" 03-3u"  
05-5u" 10-10u" 15-15u"  
SN1-Bright Tin Plating (70u")  
SN1-Bright Tin Plating (120u" Min).  
0-No Plating Material  
SW- Fog Tin Plating  
HS-Hight temperature Tin  
⑨ Color : Blank-Natural Color

| Poles | Dimensions (mm) |       |
|-------|-----------------|-------|
|       | A               | B     |
| 02    | 2.50            | 7.50  |
| 03    | 5.00            | 10.00 |
| 04    | 7.50            | 12.50 |
| 05    | 10.00           | 15.00 |
| 06    | 12.50           | 17.50 |
| 07    | 15.00           | 20.00 |
| 08    | 17.50           | 22.50 |
| 09    | 20.00           | 25.00 |
| 10    | 22.50           | 27.50 |
| 11    | 25.00           | 30.00 |
| 12    | 27.50           | 32.50 |
| 13    | 30.00           | 35.00 |
| 14    | 32.50           | 37.50 |
| 15    | 35.00           | 40.00 |

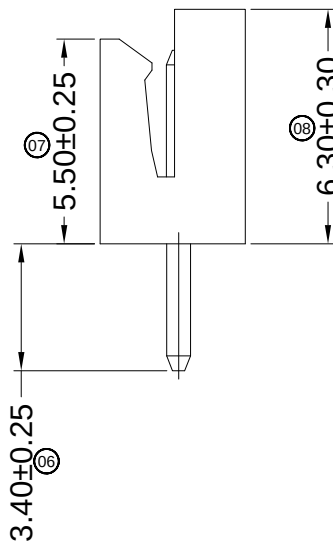
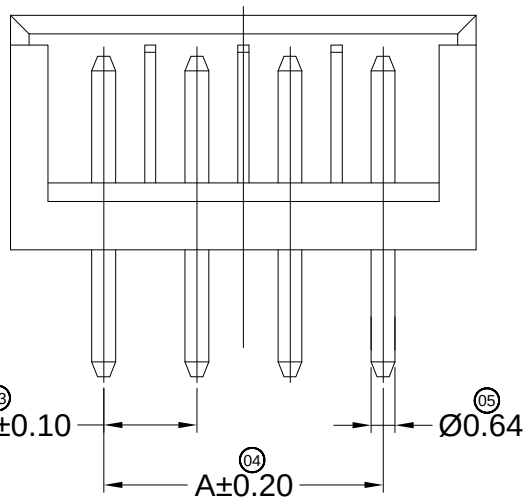
For and on behalf of  
**XKB INDUSTRIAL PRECISION CO., LIMITED**  
**香港星坤工業精密有限公司**

|             |  |  |  |                         |         |             |                        |
|-------------|--|--|--|-------------------------|---------|-------------|------------------------|
| △ X         |  |  |  |                         |         | ANGULAR     | ± 5°                   |
| △ X         |  |  |  |                         |         | L ≤ 4       | ± 0.2                  |
| △ X         |  |  |  |                         |         | 4 < L ≤ 16  | ± 0.3                  |
| △ X         |  |  |  |                         |         | 16 < L ≤ 63 | ± 0.4                  |
| MARK        |  |  |  |                         |         | L > 63      | ± 0.5                  |
| DESCRIPTION |  |  |  | DATE                    | REVISED | APPROVED    | UNSPECIFIED TOLERANCES |
| REVISIONS   |  |  |  | Authorized Signature(s) |         |             |                        |

|                                       |  |      |  |                |                                             |
|---------------------------------------|--|------|--|----------------|---------------------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A     | MODEL TYPE:<br>X2581WV-XXX-N0SN             |
| DWN                                   |  | DATE |  | VIEW:          | PART NO.:<br>2.50 mm Crimp Style connectors |
| CHKD                                  |  | DATE |  | UNIT: mm       | DWG NO.:                                    |
| APPD                                  |  | DATE |  | SIZE: A4       |                                             |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  | WEIGHT<br>1.0g | SHEET<br>1/1                                |
|                                       |  |      |  | REVISION<br>A0 |                                             |



P.C.B LAYOUT



## Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25°C~+85°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ

### X2581 W V X- XX A-N0 SN XX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category: W-Wafer
- ③ Welding Board Angle: V-180° ; R-90°
- ④ Welding Way: Blank-DIP ; S-SMT
- ⑤ Row No.-Pin No.: XX-Single Row ; 2\*XX-Double Row
- ⑥ Plug the Pin & Special No. : A-Without Kink
- ⑦ Material: N0 -PA66 94V-0
- ⑧ Plating Category: G\*\*-Gold Plated Contact  
V\*\*- All Gold-Plated  
01-Gold Flash 02-2u" 03-3u"  
05-5u" 10-10u" 15-15u"  
SN-Bright Tin Plating (70u")  
SN1-Bright Tin Plating (120u" Min).  
0-No Plating Material  
SW- Fog Tin Plating  
HS-Hight temperature Tin
- ⑨ Color : Blank-Natural Color

| Poles | Dimensions (mm) |       |
|-------|-----------------|-------|
|       | A               | B     |
| 02    | 2.50            | 7.70  |
| 03    | 5.00            | 10.20 |
| 04    | 7.50            | 12.70 |
| 05    | 10.00           | 15.20 |
| 06    | 12.50           | 17.70 |
| 07    | 15.00           | 20.20 |
| 08    | 17.50           | 22.70 |
| 09    | 20.00           | 25.20 |
| 10    | 22.50           | 27.70 |
| 11    | 25.00           | 30.20 |
| 12    | 27.50           | 32.70 |
| 13    | 30.00           | 35.20 |
| 14    | 32.50           | 37.70 |
| 15    | 35.00           | 40.20 |

|                  |                   |               |             |                        |
|------------------|-------------------|---------------|-------------|------------------------|
| X2581WV-XXA-N0SN | Nylon 66 UL 94V-0 | Brass         | Tin-Plated  | X2581H                 |
| PART NO          | Material          | Material(Pin) | Finish(Pin) | Mates With XKB Housing |

For and on behalf of  
XKB INDUSTRIAL PRECISION CO., LIMITED  
香港星坤工業精密有限公司

| REVISIONS | DESCRIPTION | DATE | REVISED | APPROVED | UNSPECIFIED TOLERANCES |
|-----------|-------------|------|---------|----------|------------------------|
| △ X       |             |      |         |          | ANGULAR ± 5°           |
| △ X       |             |      |         |          | L ≤ 4 ± 0.2            |
| △ X       |             |      |         |          | 4 < L ≤ 16 ± 0.3       |
| MARK      |             |      |         |          | 16 < L ≤ 63 ± 0.4      |
|           |             |      |         |          | L > 63 ± 0.5           |

|                                       |  |      |  |            |                                 |
|---------------------------------------|--|------|--|------------|---------------------------------|
| DSND                                  |  | DATE |  | SCALE: N/A | MODEL TYPE:<br>X2581WV-XXA-N0SN |
| DWN                                   |  | DATE |  | VIEW:      | PART NO.:                       |
| CHKD                                  |  | DATE |  | UNIT: mm   | 2.50 mm Crimp Style connectors  |
| APPD                                  |  | DATE |  | SIZE: A4   | DWG NO.:                        |
| XKB INDUSTRIAL PRECISION CO., LIMITED |  |      |  |            | WEIGHT<br>1.0g                  |
|                                       |  |      |  |            | SHEET<br>1/1                    |
|                                       |  |      |  |            | REVISION<br>A0                  |