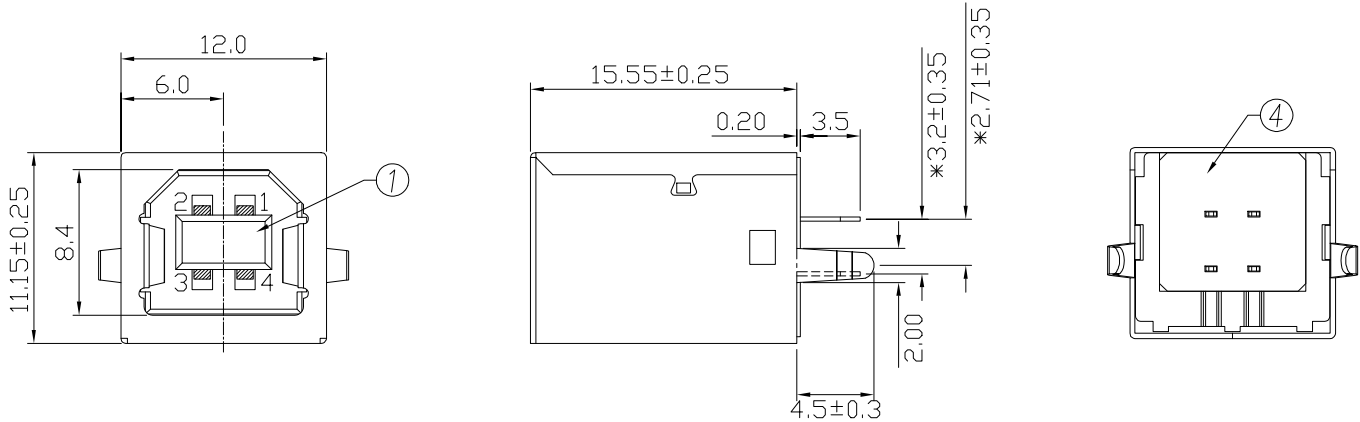


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| REV. | DESCRIPTION | ECN NO. | DWN. | CHK. | APVD. | DATE |
|------|-------------|---------|-------|-------|-------|------------|
| A | | | Zhong | Zhong | Zhou | 2025-06-20 |
| | | | | | | |
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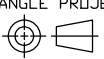
Specification:
Contact Resistance: 30m Ohm Max.
Insulation Resistance: 1000M Ohm Min. At 500V DC.
Rated Voltage And Current: 1.5A At 250V AC Minimum.
Dielectric Withstanding Voltage: 500V AC (rms) for 1 Minute
Durability (Life Test): 1500 Cycles
Insertion Force: 35 Newton Maximum.
Extraction Force: 10 Newton Minimum.
Salt Spray Test Time: 8H. No Corrosion Of The Substrate Is Considered Qualified.

Ordering Information

- 186b - $\frac{XX}{a} \frac{X}{b} \frac{X}{c} \frac{X}{d} \frac{X}{e}$
- a. No. Of Pins
04: 04 positions
 - b. Contact Type
2: Female (Standard)
 - c. Contact Plating
0: Gold flash selective gold
1: 5u" selective gold on contact
2: 15u" selective gold on contact
3: 30u" selective gold on contact
 - d. Shell Plating
1: Nickel
2: Tin
 - e. Insulator Color
1: Black
2: Beige
3: White
4: Black high temperature

(COMPONENT SIDE)
PCB LAYOUT

| NO. | NAME | MATERIAL | FINISH | REMARK | Q'TY |
|-----|--------------|---------------------|-----------------|-------------------------------------|------|
| 1 | HOUSING | PBT G.F. | WHITE | | 1 |
| 2 | PIN TERM. | PHOS. BRONZE T:0.25 | GOLD/TIN PLATED | Ni:50u"Min;Tin:100u"Min Gold:1u" | 4 |
| 3 | SHELL | BRASS T:0.3 | NICKEL PLATED | Ni:50u"Min | 1 |
| 4 | BOTTOM COVER | PBT G.F. | WHITE | | 1 |

| | | | | | | |
|---|---------------------------------------|---|---|--|--------------|--------------|
| DIMENSIONS: | | CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE | |  Y-S ELECTRONIC CO., LTD. | | |
| <input type="checkbox"/> mm [INCH] | <input type="checkbox"/> INCH [mm] | <input checked="" type="checkbox"/> mm ONLY | DRAWN BY AND DATE JACK CHEN 2010-06-08 | | | |
| UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: | | CHECKED BY AND DATE JUSTIN XING 2010-06-08 | | TITLE 186b SERIES USB P.C.B. Straight TYPE (B TYPE) | | |
| DECIMALS X. ±0.38 [0.015] .X ±0.25 [0.010] .XX ±0.13 [0.005] | | APPROVED BY AND DATE FRANKY CHEN 2010-06-08 | | | | |
| ANGLES X° ±3° .X° ±1.0° | | THIRD ANGLE PROJECTION  | | | | |
| MATERIAL: | | | | DRAWING NO. 186b-042013 | REV A | |
| FINISH: | | SCALE: 1 : 1 | SIZE: A3 | FILE NO.: | | SHEET 1 OF 1 |