



P. C. Body Hole Layout

Note:

1. Material:

- A. Terminal: Phosphor Copper C5191
- B. Housing: PPA UL94V-0 Color: Black

2. Plating:

- Signal Contact: 30u-50u Nickel Plated, 1U Gold Plated
- Power Contact: 30u-50u Nickel Plated, 1U Gold Plated3.

3. Electrical Performance Requirements:

- Rated Voltage: Signal Contact: 50V; Power Contact: 250V
- Rated Current: Power Contact Max 40A; Signal Contacts Max 2.5A;
- Withstand Voltage: Leakage Current: Signal Contact Voltage: 1000 VDC Less Than 1 mA / 1Min, Between Power Contacts and Between Power and Contacts: 2500Vdc 1MIN
- Insulation Resistance: Between Signal Contacts: 2000MΩ;
- Between Power Contacts: 2000MΩ.

Contact Resistance: Power Contact ≤ 2mΩ Signal Contact: 20mΩ

Solder Temperature: 260° C 10S

4. Mechanical Properties:

- Plugging Life: 500 Times.
- Insertion Force: 40N MAX Withdrawal Force: 10N MIN
- 5. Working Temperature: -40~+125°C

Ordering Code:

PSPM6.35 - R - 02 - 20 - 02 - G0 - G0 - A - P - X

- ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① PSPM6.35: 6.35mm Pitch Power Signal Connector Male

② R: Right Angle

③ No. of Power: 02=02P

④ No. of Signal: 20=20P

⑤ No. of Power: 02=02P

⑥ Power Contact Plating:

- G0: Gold Flash S0: Selective
- G1: 3u" Gold S1: Selective 3u"
- G2: 5u" Gold S2: Selective 5u"
- G3: 10u" Gold S3: Selective 10u"
- G4: 15u" Gold S4: Selective 15u"
- G5: 30u" Gold S5: Selective 30u"
- SN: Tin

⑦ Signal Contact Plating:

- G0: Gold Flash S0: Selective
- G1: 3u" Gold S1: Selective 3u"
- G2: 5u" Gold S2: Selective 5u"
- G3: 10u" Gold S3: Selective 10u"
- G4: 15u" Gold S4: Selective 15u"
- G5: 30u" Gold S5: Selective 30u"
- SN: Tin

⑧ Length of Tin Foot:

A=3.43MM

⑨ Insulator Material

- A: PBT B: PA6T
- C: LCP D: PA46 E: PA9T P: PPA

⑩ Packing:

- A: Tray B: Bag T: Tube U: Tube+CAP
- R: Tape&Reel W: Tape & Reel+CAP

Unless Otherwise specified tolerance
 X. ±0.35 X.XX: ±0.20
 X.X: ±0.25 X.XXX: ±0.15

SCALE: As Shown UNIT: mm
 DRAW Wu Feng Rong DATE 09/15/2021
 CHECK BobYang DATE 09/15/2021



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TITLE: 6.35MM 2P Power+20P Sinal+2P Power Male Straight Dip Power Connector

DRAWING NO: PSPM6.35S-022002G0G0APX

PRODUCT NO: PSPM6.35S-062002G0G0APX

REV	DESCRIPTION	DATE