PowerAmp

5.72mm (0.225") Pitch — Vertical



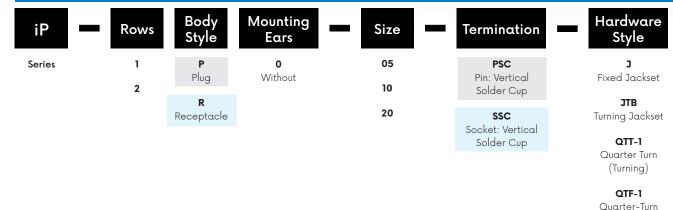
Solder Cup Cable Connectors

The PowerAmp connector family is a 1- and 2-row high reliability connector solution with a pitch of 5.72 millimeters (0.225"). Available with 5 to 20 contacts and rated up to 23A per contact make it ideal for robust power connections. The connectors can also be customized to address unique design requirements.

- Current rating up to 23A per contact
- High vibration and shock resistant
- Withstands extreme temperatures of -65°C to +125°C
- Accepts wire sizes up to AWG 12 (4 mm²)
- UL94V-0 flammability rated insulator
- UL Approved, UL 1977 ECBT2.E466640



Part Number Builder



Technical Information

Material Specifications

Insulator Material:

Glass-filled PPS (polyphenylene sulfide)

Insulator Color: White

Material (Contacts): Pins: copper alloy

Sockets: beryllium copper

Terminal Material: Copper alloy

Plating (Contacts):

Minimum 15 μin Au over 30 μin Ni

Hardware: Stainless steel

UL File: E466640

Electromechanical Performance

Rated Current: 23A per contact Durability: \geq 250 mating cycles Test Voltage: 2,000 V AC for 1 minute Insulation Resistance: 5 G Ω min.

Contact Resistance: $1 \text{ m}\Omega$ max.

Insertion Force (Max): 16 oz. (4.45N) per contact

Withdrawal Force (Min.): 0.5 oz. (0.14N) per contact

Environmental Specifications

Operating Temperature: -65° to +125°C Vibration: 10Hz to 2,000Hz, 1.52mm, 147.1m/s2 (15G), duration 12h

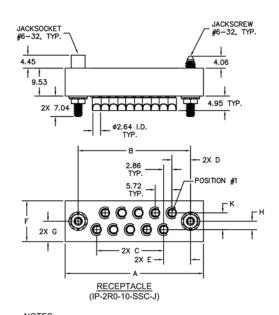
(Fixed)

RoHS: Compliant



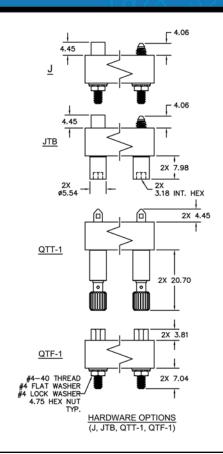
PowerAmp

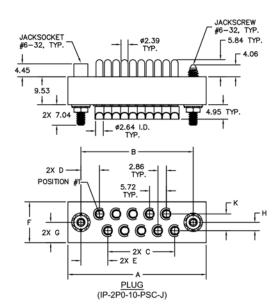




SIZE 5 - SINGLE ROW SIZE 10 - 2-ROW STAGGERED GRID SIZE 20 - 2-ROW SQUARE GRID

	DIMENSIONS									
SIZE	Α	В	С	D	Ε	F	G	Н	K	
5	44.45	35.56	22.86	6.35	N/A	9.53	4.78	N/A	N/A	
10	47.29	38.40	22.86	6.35	9.22	13.97	6.99	2.86	5.72	
20	73.03	64.14	51.44	6.35	6.35	13.97	6.99	2.86	5.72	

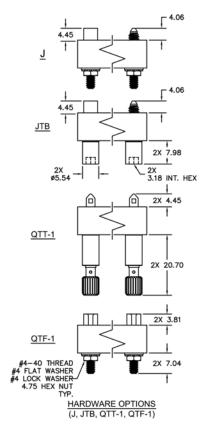




NOTES: SIZE 5 - SINGLE ROW

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20	73.03	64.14	51.44	6.35	6.35	13.97	6.99	2.87	5.72	



All dimensions in millimeters.