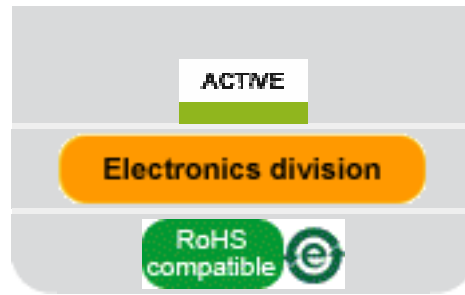


**51762-10602000AALF -
PwrBlade® : 6P 20S STB
Right Angle Receptacle**



www.fci.com

Mating Half

➤ 51722-10602000AALF

Specifications

General

First Make Last Break (FMLB)	Request Select Load Worksheet 51699 for FMLB Options
Gender	Receptacle
Guided Mating	Guide Pin
Number of contacts (Total - Power)	6
Number of contacts (Total - Signal)	20
Orientation	Right Angle
Polarization	Yes
Receptacle Pin Pattern (Right to Left)	Power/Signal
Receptacle Pin Pattern (Right to Left)	Power/Signal
Tail Options	0.135 in. Solder
Mating half	PwrBlade® Right Angle Headers
Number of rows (Power)	1
Number of rows (Signal)	4

Dimensional

Spacing (Center line - Power)	6.35 mm (0.25 in.)
Spacing (Center line - Signal)	2.54 mm (0.1 in.)

Electrical

Current rating	48A max. for One Powered Contact, 30A max. for Ten Contacts Powered
Resistance (Contact)	Maximum for mated pair is 2 milli ohms
Resistance (Insulation)	>= 10,000 M-ohms after Environmental Test Conditions
Voltage rating	1000V per Signal Contact, 2500V per Power Contact
Mechanical	
Durability (Mating cycles)	200
Insertion force	Maximum 25 oz. per Power Contact and 3.5 oz. per Signal Contact
Wipe (Power)	0.227 in. min., Post mate 0.177 in. min.
Wipe (Signal)	0.152 in. min., Post mate 0.102 in. min.
Mounting	
Retention feature (Board)	Board Lock
Solder process	High Temp Solder Process
Footprint note	Ordering data shown is for our standard product offering. For non-standard or custom products, contact your Authorized FCI Representative.
Physical	
Color (Housing)	Black
Material (Housing)	Glass - Filled High - Temp Thermoplastic (UL-94 V-0)
Plating (Contact area)	0.76 µm (30 µin.) Precious metal
Plating (Tail - Power)	1.98 µm (78 µin.) Tin
Plating (Tail - Signal)	1.98 µm (78 µin.) Tin
Temperature (Range)	-20°C to +105°C
Approvals / Certifications	
Approvals / Certifications	UL and CSA Approved
Other Features	
Packaging (Type)	Trays
System Application	Standard Product
Comments	In order to complete the Part Number selection process you will need the product drawing. To download the drawing click on the "View Drawing" button at the top of this page.