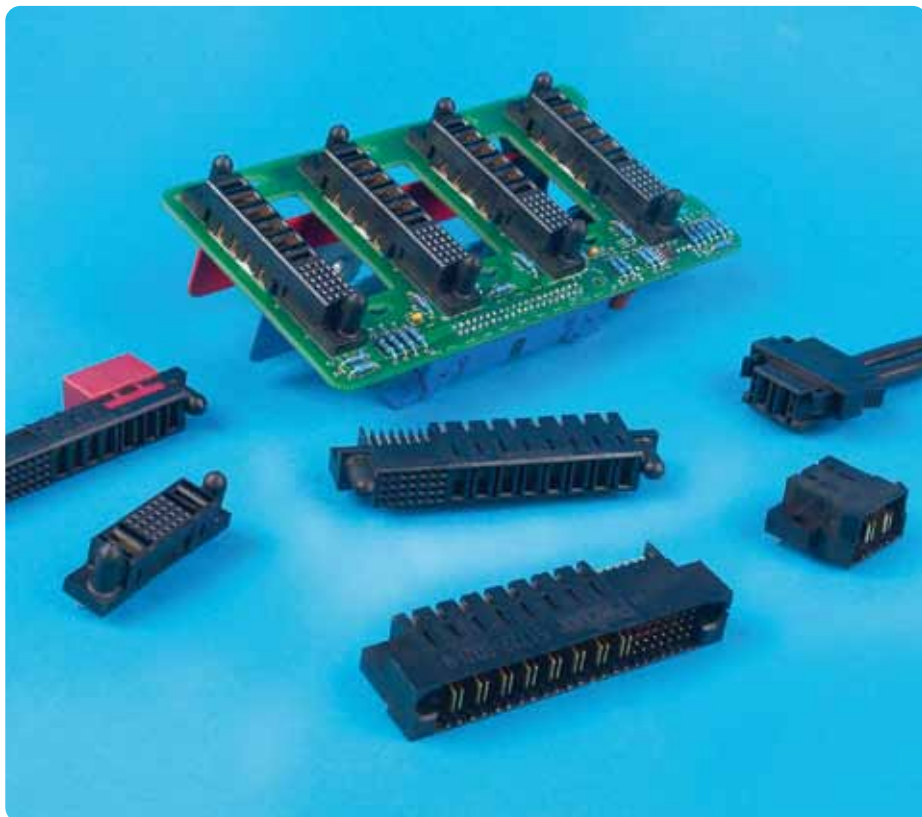


PWRBLADE®

AC/DC POWER DISTRIBUTION CONNECTOR SYSTEM

FEATURES & BENEFITS

- 48A/individual power contact;
30A/contact for 10 adjacent contacts
at 30°C temperature rise in still air
- 60A/contact using UL test guidelines
- SSI-compliant connector interface for
pluggable power supplies & power
distribution applications
- Provides power contacts for power
distribution and signal contacts for
power control
- Number and placement of power and
signal contacts are highly configurable
for custom power needs
- Power contact spacing options exist
for AC (300V max), DC (200V max) or
high-density power (at same voltage)
- Meets applicable UL current
interruption criteria for hot plug
applications
- Rugged, molded-in guides enable
blind mating
- Up to 3 levels of sequential contact
including a short detect pin for hot
swap applications
- Existing tooling capabilities
accommodate up to 20 power
contacts and 148 signal contacts in a
single molded housing
- Solder or press-fit tail options are
available for termination flexibility
- Board retention devices are provided
to secure connectors during wave
solder process
- AC cable port option (cable pass-
through) as well as direct attach to
busbars for power distribution are
available
- Lead free plating is available for RoHS
compliance



APPLICATIONS

- AC/DC pluggable power supplies in
data, telecom & datacom/networking
- Server System Infrastructure (SSI)-
compliant server systems
- Industrial PCs
- Industrial controls & instrumentation

MAIN PRODUCTS

PART REFERENCES

Power+Signal+Power Right Angle Header	51720-1XXXXXXXXLFL
Power+Signal+Power Vertical Header	51700-1XXXXXXXXLFL
Power+Signal+Power Right Angle Receptacle	51760-1XXXXXXXXLFL
Power+Signal+Power Vertical Receptacle	51740-1XXXXXXXXLFL



TYPICAL PRODUCTS

PART REFERENCES

SERVER SYSTEM INFRASTRUCTURE (SSI STANDARD)

Distributed Power Supply (1 Power + 24 Signal + 1 Power Configuration)

Server	Right Angle Receptacle	51416-001LF
	Vertical Press-Fit Receptacle	51666-001LF
Power Supply	Right Angle Header	51415-001LF
	Vertical Header	51952-001LF
	Vertical Press-Fit Header	51952-002LF

High-End Power Supply (24 Signal + 12 Power Configuration)

Server	Vertical Receptacle	51261-XX001LF
	Vertical Press-Fit Receptacle	51617-XX002LF
Power Supply	Right Angle Header	51219-XX002LF

Mid-Range Power Supply (5 Power + 24 Signal + 6 Power Configuration)

Server	Right Angle Receptacle	51625-XX001LF
	Vertical Press-Fit Receptacle	51667-XX001LF
Power Supply	Right Angle Header	51624-XX001LF
	Vertical Header	51860-001LF
	Vertical Press-Fit Header	51860-002LF

AC CABLE PORT RIGHT ANGLE RECEPTACLE

Cable+Power+Signal+Power	51894-YYYYLF
Cable+Signal+Power	51921-YYYYLF
Cable+Power+Signal	51923-YYYYLF

AC CABLE PORT VERTICAL RECEPTACLE

Cable+Power+Signal+Power	51897-YYYYLF
Cable	51897-YYYYLF
Cable+Signal+Power	51897-YYYYLF/51927-YYYYLF
Cable+Power+Signal	51929-YYYYLF

Note: The XX and YYY utilized in the part numbers above are placeholders for certain product specific criteria. Reference the product drawings to obtain detailed dimensions and complete part numbers. For non-SSI applications other configurations are available upon request. Please contact your local FCI representative.



Further information can be found at:
www.fciconnect.com/pwrblade
www.fciconnect.com/powersolutions