

SLIDING POWER CONNECTOR

TE Connectivity's (TE) sliding power connector is one of the only connectors of its kind that allows for hot swapping of components in a server drawer. This power solution is ideal for applications up to 75A and eliminates the need for a bulky cable management system within the drawer. The sliding power connector also shows improved voltage drop over cables due to a more direct path from the power source to the server. With limited cabled connections, the sliding power connector is also more reliable. With no need for complex cable management or loose moving parts within the drawer, the sliding power connector provides a simpler design that is less prone to disconnection from the power source.

Features

- Allows for hot swapping of components
- Ideal for applications up to 75A
- Eliminates the need for bulky cable management systems
- Improved voltage drop over cables
- Simple design

Benefits

- Minimal system downtime
- Energy efficiency
- Higher reliability

Applications

- Hard disk drives
- Power supply units
- Open Compute Project (OCP) cubby
- Racks
- Servers
- Storage units
- High current applications

Sliding Power Connector

What is sliding power?

Non-traditional method of power distribution

- Connector system that eliminates the need for power cables
- Utilizes PCBs to transmit power directly to the on-board components

Minimal system downtime

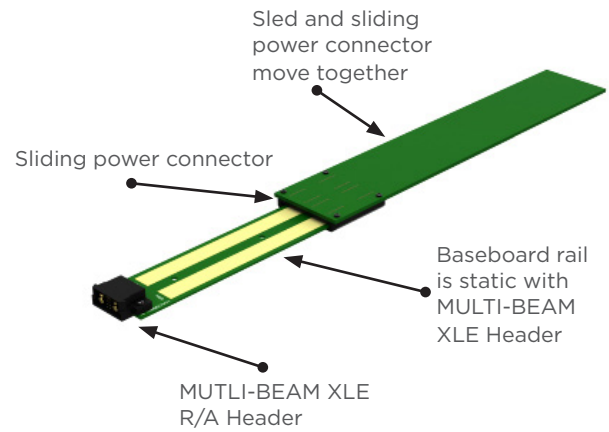
- Allows for hot swapping of components without shutting power down to the whole system

Energy efficient

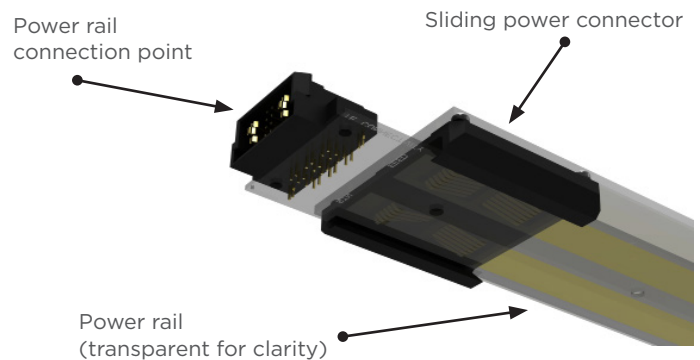
- Increased airflow reduces cooling costs
- Improved voltage drop due to a more direct path from the power source to the server

Higher reliability

- No complex cable management or loose moving parts within the drawer
- Simple design is less prone to disconnection from the power source



Sliding Power Connector - Top View



Sliding Power Connector - Bottom View

Part Number Detail

Part Description	TE Part Number
75A Dual Pole Sliding Power Connector	2204740-1

te.com

TE Connectivity, TE, TE Connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2019 TE Connectivity Ltd. family of companies. All Rights Reserved.

1-1773969-2 02/19 DND

TE Technical Support Center

USA:	1.800.522.6752
Canada:	1.905.475.6222
Mexico:	52.0.55.1106.0800
Latin/S.America:	54.0.11.4733.2200
Germany:	49.0.6251.133.1999
UK:	44.0.800.267666
France:	33.0.1.3420.8686
Netherlands:	31.0.73.6246.999
China:	86.0.400.820.6015