POWER CONNECTORS AND CABLE ASSEMBLIES FOR OPEN COMPUTE PROJECT (OCP)

Our power connectors and cable assemblies for Open Compute Project (OCP) are designed to meet OCP power distribution architecture standards. These products provide a simple yet customizable design that enables a standardized platform capable of efficiently distributing up to 500A of power per UL and CSA criteria, while offering improved electrical performance.

- Simple plug-and-play solutions
- Support 12V up to 48V
- Offers low resistance and low milli-volt drop
- Support low energy consumption and operational cost savings
- Fully compatible with specifications for use in rack-level bus bar applications
  - Power shelves
  - Battery backup unit (BBU) shelves
  - IT trays/cubby shelves
  - Server sleds

12V or 48V Bus Bar Connectors & Cable Assemblies

Features and Benefits:

- Robust, metal connector is designed to help withstand rack installation
- Better heat dissipation provides lower power consumption, saving over power consumption costs in the application
- Connectors feature lower profiles and better contact resistance to enable lower overall power consumption in the data center
- The same connector can be used for either 12V or 48V power and for power or return (one for each)
- Custom cable assemblies available

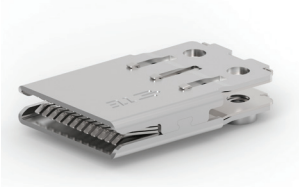
Ordering Information:

TE Part Number	Description	Application	Current	Voltage
2204080-1	Bus Bar Power Connector	IT Tray and Cubby Shelf	up to 150A	12V or 48V
2204273-1	Bus Bar Power Connector	Power Shelf and BBU	up to 500A	12V or 48V
2323858-1	Shelf Level Bus Bar Cable Assembly	Power to Server Sleds	up to 25A	12V or 48V
2323857-1	Shelf Level Bus Bar Cable Assembly	Power to Server Sleds	up to 50A	12V or 48V
2159562-1	MULTI-BEAM XLE Panel Mount to Press-Fit Power Cable Assembly	Power Delivery to Cubby Sled, Subsystems for Storage, Compute, etc.	up to 40A	12V or 48V
2159443-1	MULTI-BEAM XLE Panel Mount to Squeeze Release	Power Delivery to Cubby Sled Direct or via Interposer Board	up to 50A	12V or 48V

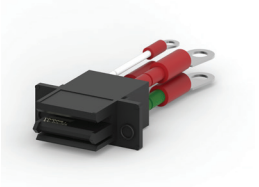
150A Bus Bar Connector

25A Cable Assembly

MULTI-BEAM XLE Panel Mount to Press-Fit



500A Bus Bar Connector



50A Cable Assembly

MULTI-BEAM XLE Panel Mount to Squeeze Release

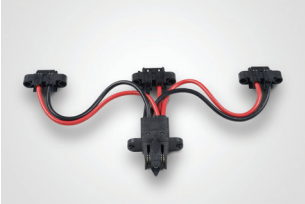
12V Bus Bar Connectors & Cable Assemblies

Features and Benefits:

- Reduces the number of bus bars in a rack from three to one, saving costs and streamlining power distribution architecture
- Distributes up to 120A of power per UL and CSA criteria from a single bus bar to an Open Rack V2 Sled design
- Reliable contact crimp connection helps eliminate power loss with a maximum contact resistance of 0.2 milliohms and is designed for hot-pluggable applications, which minimizes unwanted system downtime
- Anti over-stress feature helps to ensure the contact is protected to avoid any kind of damage caused by over-deflection during mating or un-mating
- Custom cable assemblies available

Ordering Information:

TE Part Number	Description	Application	Current	Voltage
2314316-1	V2 Bus Bar Clip and 1x3 Cable Assembly	Three-bay Shelf for V2 Open Rack Storage i.e. Cubby/ Horizontal Sled orientation	up to 150A	12V
2321561-1	V2 Bus Bar Clip and 1x2 Cable Assembly	Four-bay Shelf for V2 Open Rack Storage i.e. vCubby/ Vertical Sled orientation	up to 100A	12V



Bus Bar Clip and Cable Assembly

Other TE Power Solutions for OCP

Ordering Information:

TE Part Number	Description	Application	Current	Voltage
2323858-1	Shelf Level Bus Bar Cable Assembly	Power to Server Sleds	up to 25A	12V or 48V
2323857-1	Shelf Level Bus Bar Cable Assembly	Power to Server Sleds	up to 50A	12V or 48V
Custom Designs	ELCON Mini Cable Assembly	Internal Server Power Distribution	up to 40A	500V AC/DC

Associated Products

Product	Wire Size	Current	Specialty
MULTI-BEAM XLE Cable Receptacles	26-8 AWG	up to 50A	Low, high power options in same connector
ELCON Mini Connectors	14-10 AWG	up to 35A	Low profile
RAPID LOCK Bus Bar Connectors	12-0 AWG	50-250A	Bus bar quick connect/disconnect
High Current Universal MATE-N-LOK Connectors	30-10 AWG	up to 35A	Panel mount or free hanging versions
AMP Power Series Connectors	300MCM-0 AWG	15-275A	Single & 2 pole quick connect/disconnect
Wave Crimp Connectors	Flat Cable	40-110A	Flat

MULTI-BEAM XLE Cable Receptacles

ELCON Mini Connectors

RAPID LOCK Bus Bar Connectors

FOR MORE INFORMATION

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Поставка электронных компонентов

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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения **«JONHON»**, а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов **«FORSTAR»**.

AVIC JONHON

«JONHON» (основан в 1970 г.)

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

FORSTAR®

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