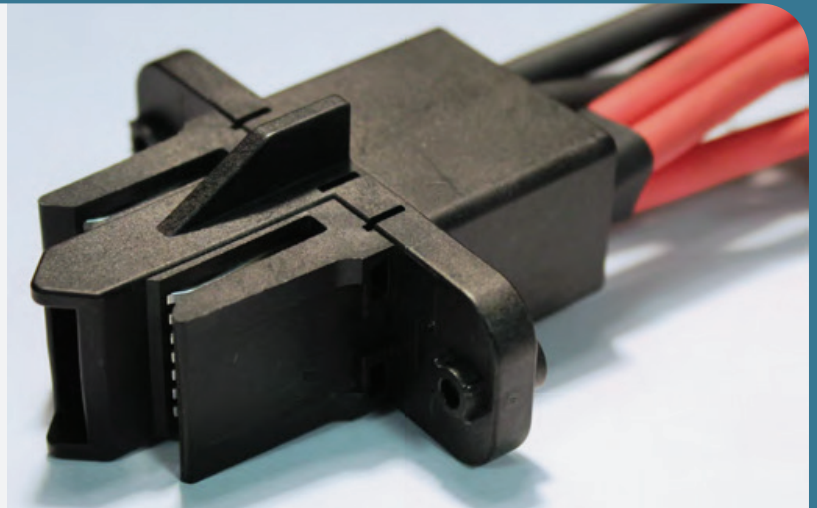


OCP Connector

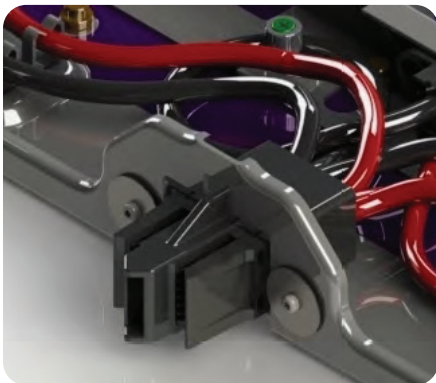
(V2 Bus Bar Connector)



The OCP (Open Compute Project) Connector is a bus bar to cable power interconnection developed for use in Open Compute System applications. The connector sides are open allowing unbounded connection along bus-bar lengths. The connector is a dual pole that provides a single component current loop connection.

Individualized contact fingers are low resistance providing low voltage drop through the connection.

- Current Capacity of 210 Amps
- Low Voltage Drop
- UL 1977 Standard Compliant
- CSA Standard C22.2 No. 182.3-M1987 Compliant
- RoHS Compliant



CONNECTOR SPECIFICATIONS

Materials & Finish

Insulator	Thermoplastic, Halogen Free
Contact	Copper Beryllium Alloy, Silver Over Nickel Plate
Crimp Barrel Cover	Copper Alloy

Mechanical

Insertion Force	45N (4.5 kgf) Typical
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Electrical Ratings

Maximum Operating Current	210 A
Operating Current at 30°C T-Rise	145
Insulator Voltage	300 VAC & 300 VDC
Dielectric Withstanding Voltage	1600 VAC & 1600 VDC
Voltage Drop / Power Loss at 30°C T-Rise	14 mV / 2.0 Watts

Environmental

Maximum Operating Temperature	115°C
Storage Temperature	-40°C to 130°C
Flammability Class	ANSI/UL 94 V-0

REGULATORY SPECIFICATIONS

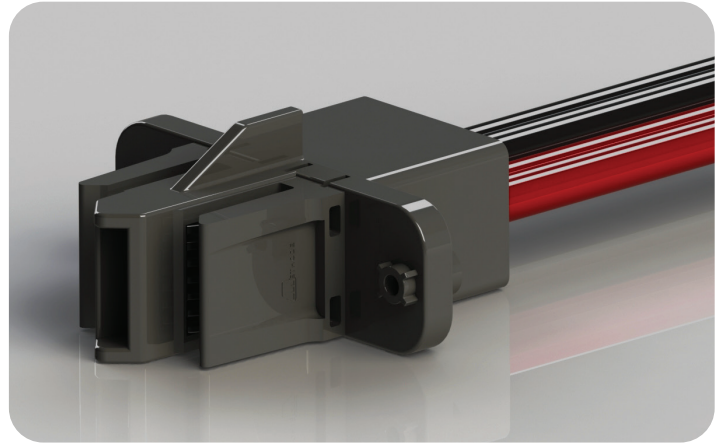
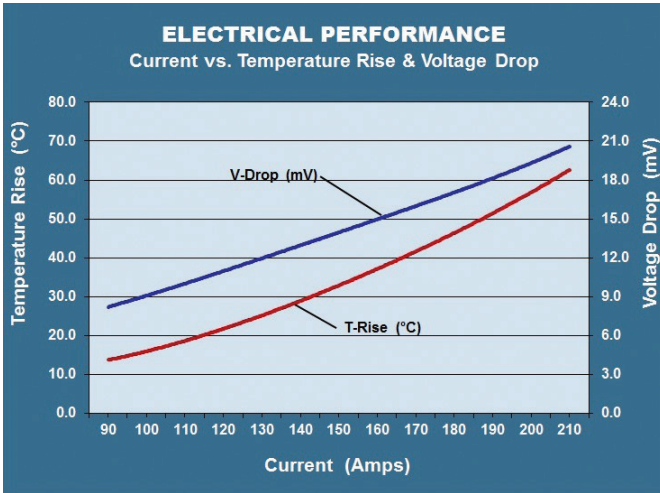
The OCP V2 Bus Connector complies with UL safety regulatory requirements.

SAFETY: UL 1977, CSA Standard C22.2 No. 182.3-M1987 (UL File Number E303434)

RoHS: IEC Directive 2015/863/EU

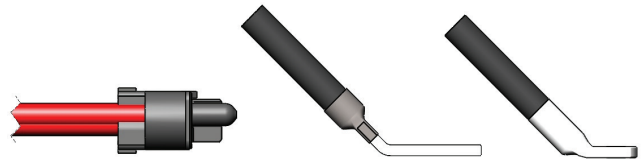
TEST CONDITIONS:

Normalized graph shows OCP Connector electrical performance for temperature rise and voltage drop from 90 amps to 210 amps. The connector is mated to a silver plated copper conductor 3 mm x 38 mm, and the termination is through the crimp barrel to 3 bundled 8 AWG stranded cables.



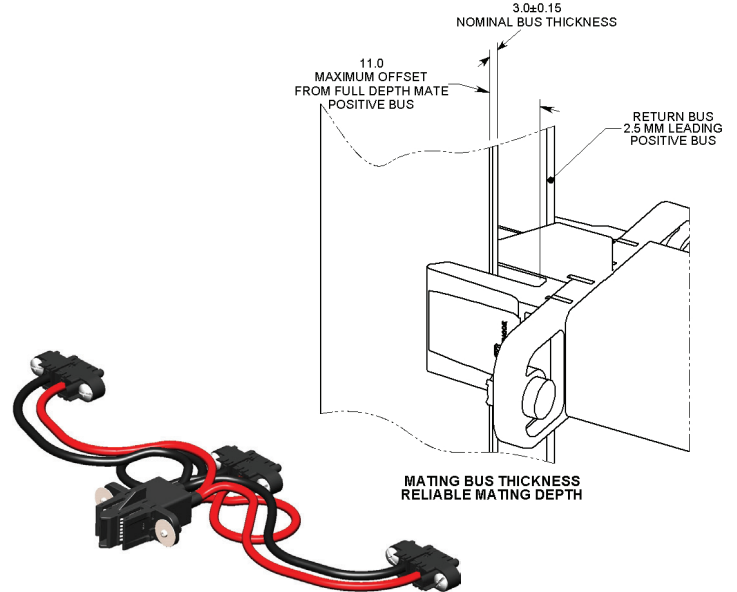
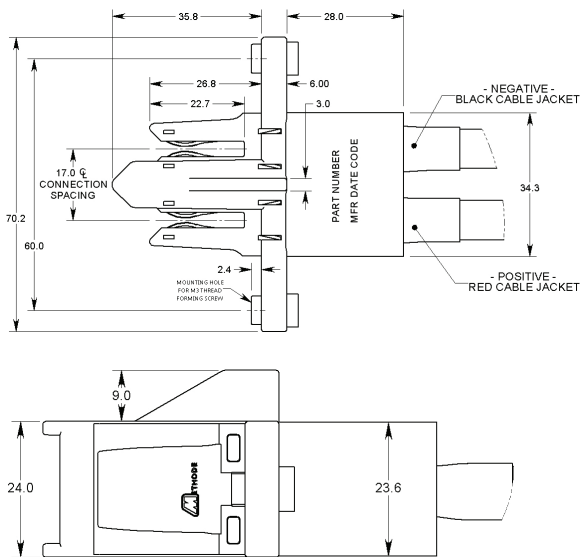
OCP V2 BUS CONNECTOR
Part Number: 5301-07830-00104

Alternate Cable Terminations



Connector / Fusion-Lug / Crimp-Lug

OCP CONNECTOR DRAWING



ORDERING INFORMATION

OCP V2 Bus Connector | OrderPart Number: 5301-07830-00104
sales@methode.com or call (847) 577-9545

APPLICATION EXAMPLE

Open Compute Project Connector Cable Module
Includes: V2 Bus Connector / 8-AWG Cables / Sled Connectors
Order Part Number: 5313-07853-00104

Drawing is available online or by contacting sales@methode.com