High Current (4 A) Micro-USB 2.0 Connector

MA006031

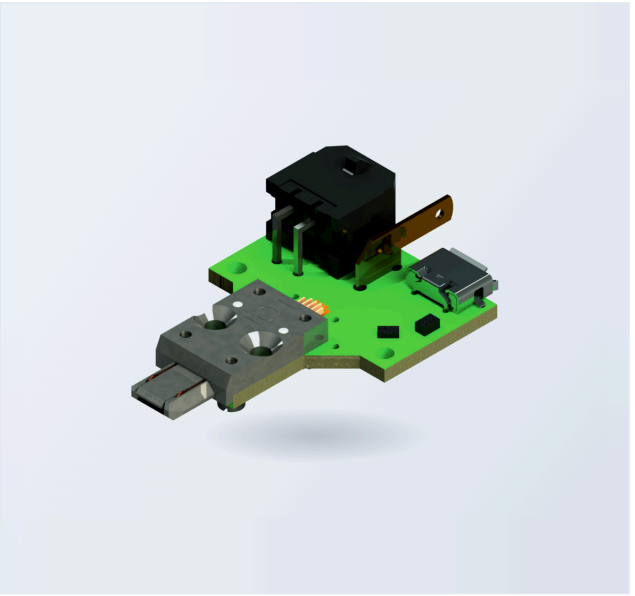
BLUELEC
Part of JOT Automation

The **MA006031** is a high-quality Micro-AB USB 2.0 test connector between the DUT (Device Under Test) and the test system, with a dedicated high-current connector providing a **4 A supply** for the DUT. A reliable, durable and highly accurate replacement for commercial cables and connectors.

The connector combines a Micro-B plug with a Micro-AB receptacle and an ESD GND tab (2.8 × 0.51 mm). It is designed to meet the electrical, mechanical and environmental performance requirements of USB 2.0.

Applicable to all mobile device types with Micro-AB USB and for high-current testing up to 4 A in high-volume production.

Designed for production testing, product development, repair and service centres, and laboratory use.



ELECTRICAL

Max. current (power, pins 1, 5)	**1.8 A**
Max. current (signal, pins 2, 3, 4)	**1.0 A**
Max. current (J7, pins 1, 2)	**4.0 A**
Max. voltage	**30 Vrms**
Dataline diff. impedance	**90 Ω**

MECHANICAL

Mating force	**35 N (max.)**
Unmating force	**25 N (max.)**
Durability	**50 000 cycles (typ.)**

ENVIRONMENTAL

Operating temperature	**0 – 60 °C**
Storage temperature	**−20 … +70 °C**
Relative humidity	**15 – 95 % non-condensing**
Compliance	**RoHS**

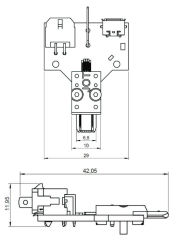
PINOUT

Micro-USB	
1	**VBUS**
2	**D−**
3	**D+**
4	**ID**
5	**GND**

High-current J7 (43045-0400)	
1	**GND**
2	**VBUS**
3	**Sense−**
4	**Sense+**

DIMENSIONS

mm



OPTIONAL ACCESSORIES

MA030684 Float unit for the Micro USB Test Connector — compensates for positional misalignment in automated test fixtures. Sold separately.

3D CAD models available on request via **sales@bluelec.com**

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