

High Current (4 A) Micro-USB 2.0 Connector

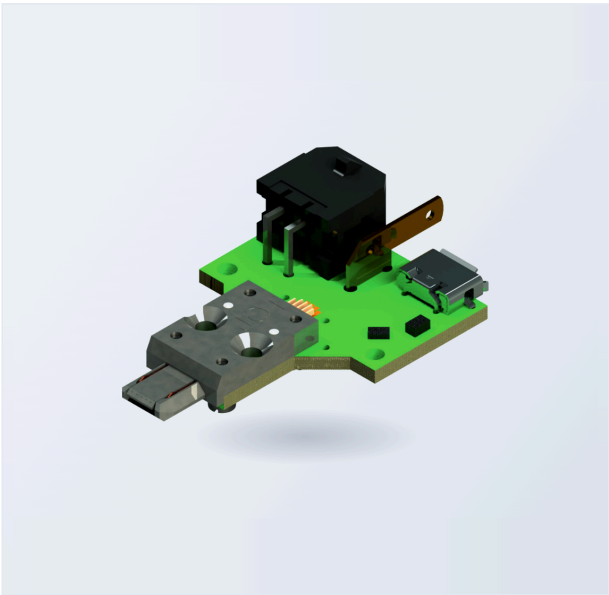
MA006031

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
Operating temperature	0 – 60 °C
Storage temperature	–20 ... +70 °C
Relative humidity	15 – 95 % non-condensing

PINOUT

Micro-USB		High-current J7 (43045-0400)	
1	VBUS	1	GND
2	D–	2	VBUS
3	D+	3	Sense–
4	ID	4	Sense+
5	GND		

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

MECHANICAL

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

DIMENSIONS

mm

