

eSATA Test Connector

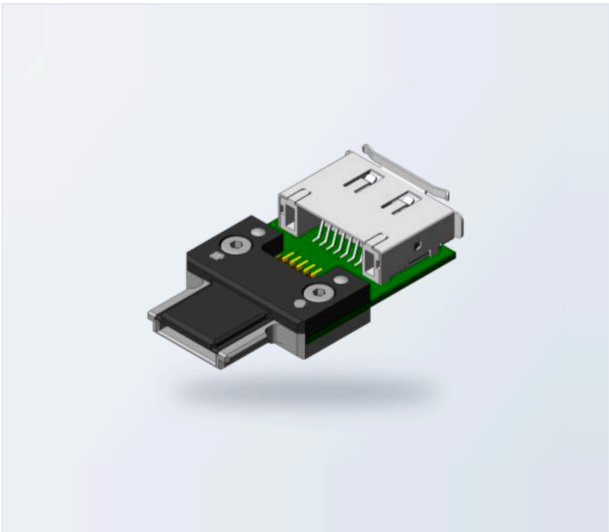
MA019682

The **MA019682** is a 7-pin test plug with straight signalling, designed for testing the eSATA interface between the DUT (Device Under Test) and the test system. A reliable, durable and highly accurate replacement for commercial cables and connectors.

The two differential pairs (A+/A- transmit, B+/B- receive) are routed at 100 Ω differential impedance with interleaved ground returns on pins 1, 4 and 7, preserving signal integrity at SATA data rates.

The transmission of high data rates can be achieved — recommended to be verified in the applied test setup.

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



ELECTRICAL

Max. current	0.4 A
Max. voltage	30 Vrms
Dataline diff. impedance	100 Ω
Operating temperature	0 – 60 °C
Storage temperature	–20 ... +70 °C
Relative humidity	15 – 95 % non-condensing

PINOUT

socket/plug

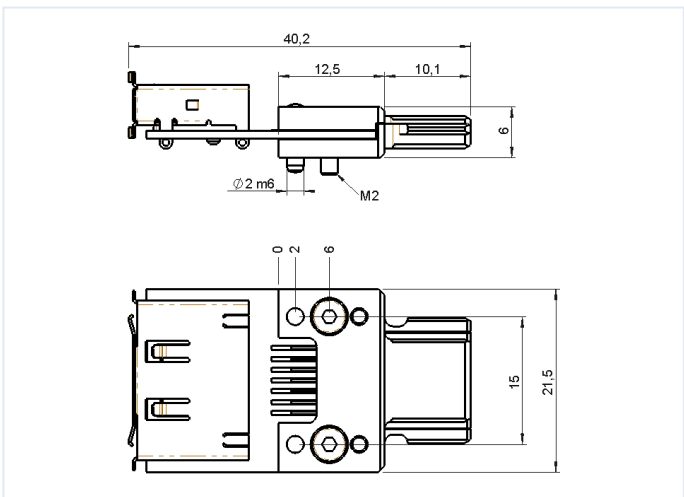
Pin	Name
1	GND
2	A+
3	A–
4	GND
5	B–
6	B+
7	GND

MECHANICAL

Mating force	7 N (typ.)
Unmating force	3 N (typ.)
Durability	50 000 cycles (typ.)
Compliance	RoHS

DIMENSIONS

mm



OPTIONAL ACCESSORIES

Float unit A float unit for this test connector is in development — contact sales@bluelec.com for availability.



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