

Mini DisplayPort Test Connector

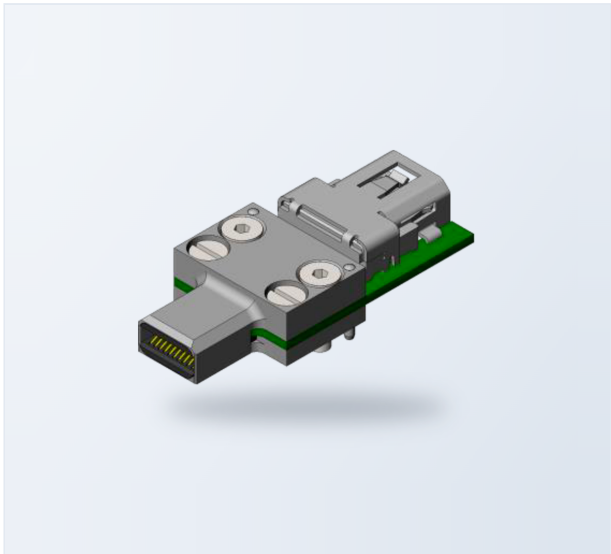
MA010395

The **MA010395** is a 20-pin test connector with straight signalling, designed for testing the Mini DisplayPort or Thunderbolt interface between the DUT (Device Under Test) and the test system. A reliable, durable and highly accurate replacement for commercial cables and connectors.

All four main-link lanes (ML_LANE_0–3) are routed as differential pairs at 100 Ω impedance, together with the AUX channel, hot-plug (HPG), CONFIG_1/2 and DP_PWR signals.

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	20 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	Pin	Name
1	GND	11	ML_LANE_1_N
2	HPG	12	ML_LANE_3_N
3	ML_LANE_0_P	13	GND
4	CONFIG_1	14	GND
5	ML_LANE_0_N	15	ML_LANE_2_P
6	CONFIG_2	16	AUX_P
7	GND	17	ML_LANE_2_N
8	GND	18	AUX_N
9	ML_LANE_1_P	19	GND
10	ML_LANE_3_P	20	DP_PWR

OPTIONAL ACCESSORIES

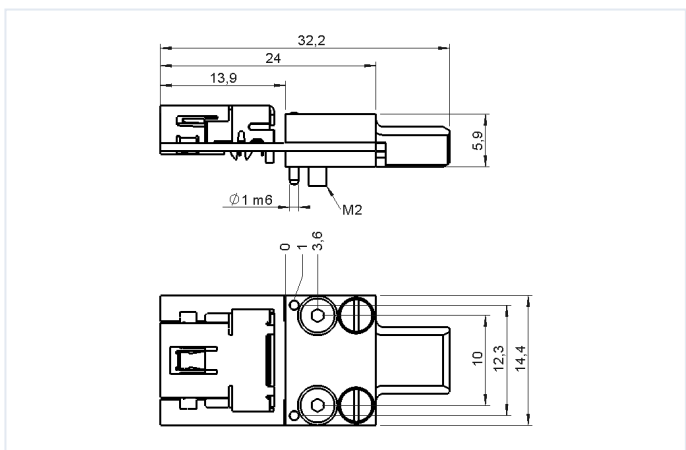
MA030013 Float unit for the Mini DisplayPort Test Connector — compensates for positional misalignment in automated test fixtures. Sold separately.

MECHANICAL

Mating force	9 N (typ.)
Unmating force	7 N (typ.)
Durability	50 000 cycles (typ.)
Compliance	RoHS

DIMENSIONS

mm



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