

DisplayPort Test Connector

MA018534

The **MA018534** is a 20-pin test connector with straight signalling, designed for testing the DisplayPort 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  $\Omega$  impedance, together with the AUX channel, hot-plug (HPG), CONFIG\_1/2, DP\_PWR and PWR\_GND 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 $\Omega$             |
| Operating temperature    | 0 – 60 °C                |
| Storage temperature      | –20 ... +70 °C           |
| Relative humidity        | 15 – 95 % non-condensing |

PINOUT

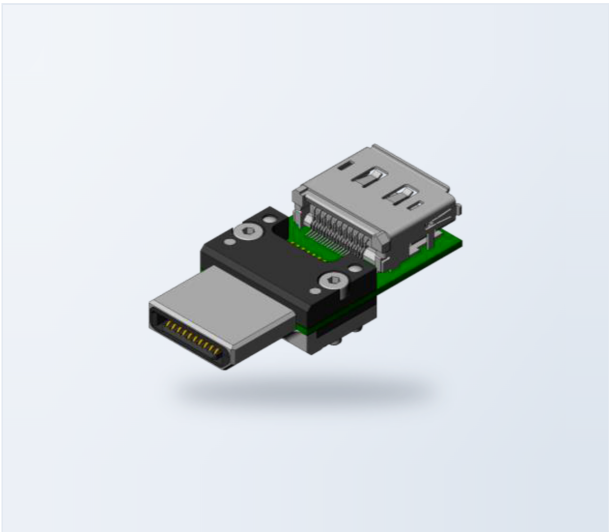
socket/plug

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

OPTIONAL ACCESSORIES

**MA092681** Float unit for the DisplayPort Test Connector — compensates for positional misalignment in automated test fixtures. Sold separately.

 **3D CAD models available on request** via [sales@bluelec.com](mailto:sales@bluelec.com)



MECHANICAL

|                |                      |
|----------------|----------------------|
| Mating force   | 12 N (typ.)          |
| Unmating force | 6 N (typ.)           |
| Durability     | 50 000 cycles (typ.) |
| Compliance     | RoHS                 |

DIMENSIONS

mm

