STEVAL-OET002V1

MDI BRR board for EMIF02-01OABRY or EMIF02-02OABRY

Features
- Includes the EMIF02-01OABRY highly integrated solution designed to suppress EMI noise and protect against ESD
- Attenuation profile compliant with BroadR-Reach™ requirements, from -40 °C to 125 °C
- Compliant with ISO10605, ISO7637-3 standards
- RoHS compliant

Description
The STEVAL-OET002V1 is a medium-dependent interface (MDI) board which includes the EMIF02-01OABRY filter, in compliance with BroadR-Reach™ specifications for EMI, ESD and differential impedance. BroadR-Reach™ (BRR) is an Ethernet, two unshielded twisted pair (UTP) wire protocol for data communication.

The STEVAL-OET002V1 board is able to filter parasitic and undesirable common and differential signals.
The board schematic shows four RF SMA connectors (J1, J2, J3 and J4) for the following connections:

- the board to VNA to check Sddxx curves
- for BRR communication (e.g., from camera to display):
  - the BroadR-Reach transceiver wires (TRD_N and TRD_P pins) and GND on transceiver side (J1, J2)
  - UTP on harness side (no GND needed) (J3, J4).

Thanks to EMIIF02-01OABR, ESD and transient voltages can be applied on MDI without transceiver failure.

For more information, refer to the BroadR-Reach Transceiver EMC Test Specification.
## Revision history

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<td>22-Jun-2016</td>
<td>1</td>
<td>Initial release.</td>
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<td>03-Oct-2016</td>
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<td>Updated title on the cover page.</td>
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