

Automotive Ethernet Connector Test Coupons Distortion & Common Mode Test Fixtures

FEATURES

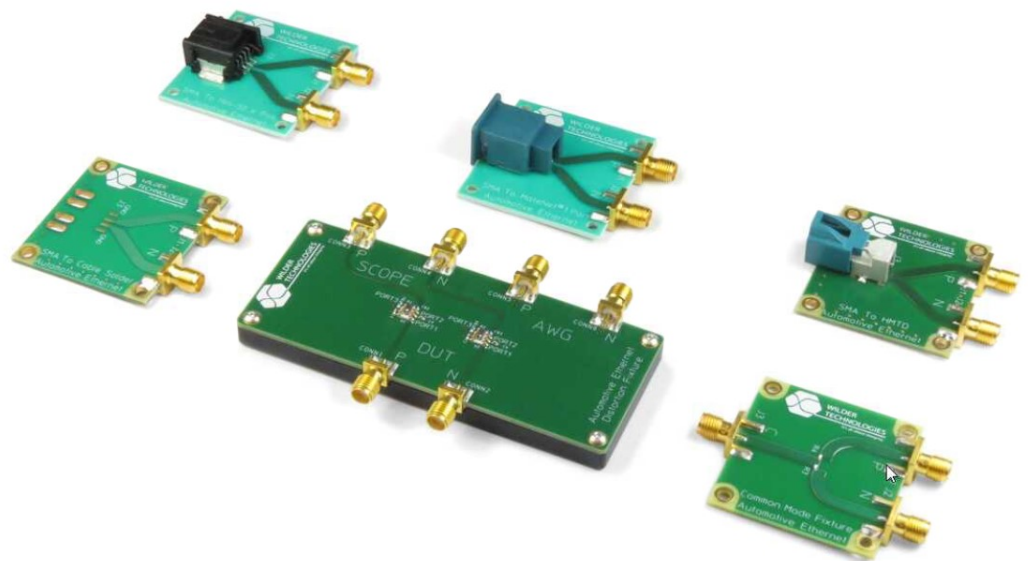
**OPEN Alliance
Automotive
Ethernet ECU Test
Specification**

TC8 ECU test

Standardized testing has become a necessity for Automotive Ethernet application development and compliance. Wilder has developed a set of Ethernet Connector Test Coupons to accommodate the selection and testing of automotive interconnects for

Wilder's fixtures provide a vehicle for testing the physical layer of automotive Ethernet standards 100BASE-T1 and 1000BASE-T1 signals for compliance.

- Test method for measuring of MDI RF common mode emission of ECUs
- Verification of the transmitter distortion.



Included

- Protective Case

Configurations

Connector Coupons available individually

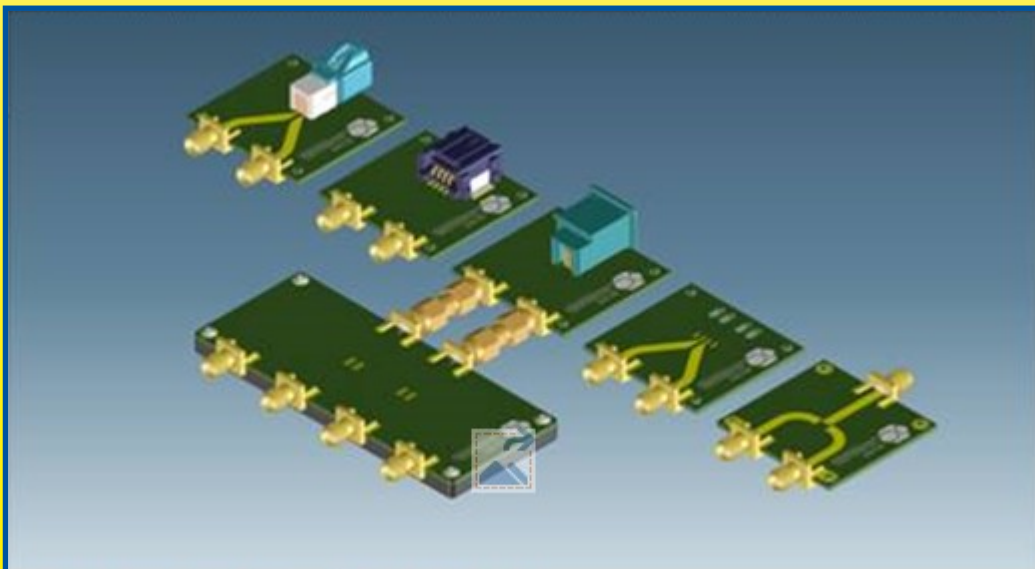
Distortion & Common Mode Test Fixtures available individually

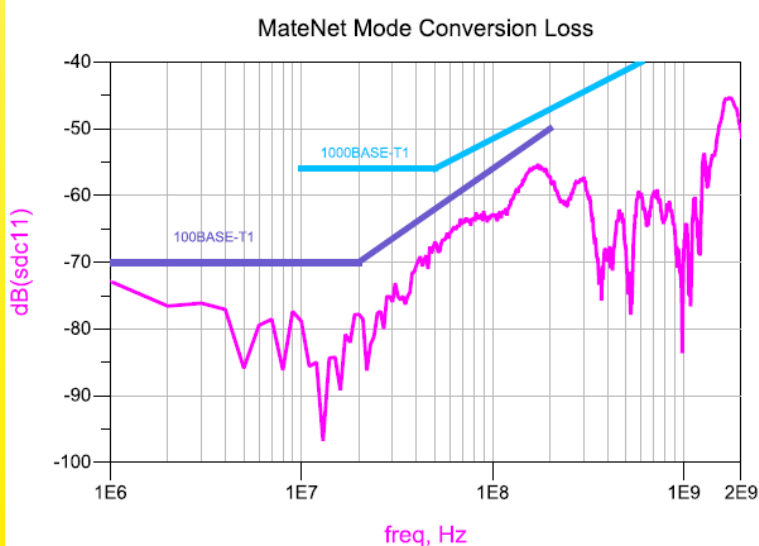
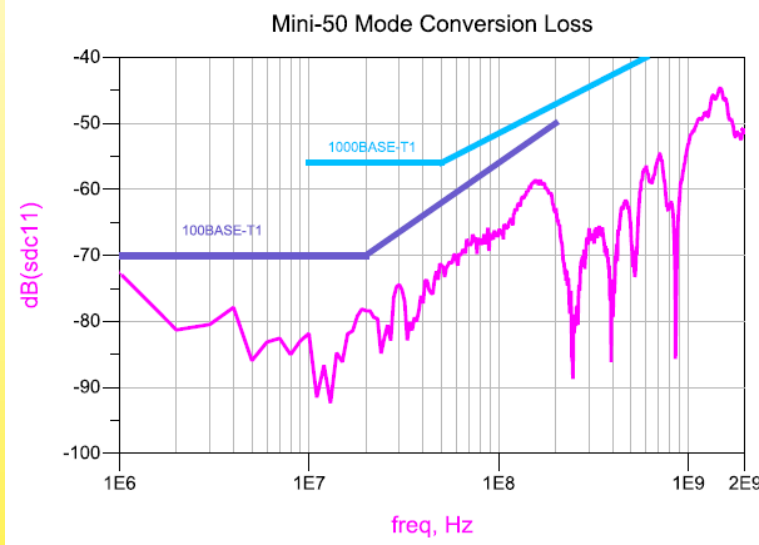
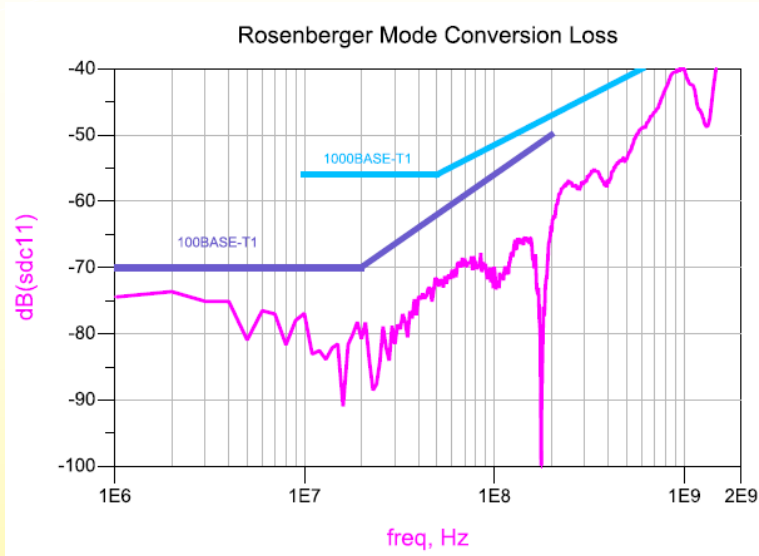
Each coupon includes two SMA terminations (50 Ω, male).

Available Part Numbers

Wilder PN	Model	Description
640-1025-000	ETH-TPA-AW-M50	ETH-TPA-AW-M50 (Mini50 Probe Card)
640-1026-000	ETH-TPA-AW-MN	ETH-TPA-AW-MN (MateNet Probe Card)
640-1027-000	ETH-TPA-AW-HMTD	ETH-TPA-AW-HMTD (Rosenberger Probe Card)
640-1028-000	ETH-TPA-AW-CBL	ETH-TPA-AW-CBL (Open Solder Cable Probe Card)
640-1029-000	ETH-TPA-AW-D	ETH-TPA-AW-D (Distortion Card)
640-1030-000	ETH-TPA-AW-CM	ETH-TPA-AW-CM (Common Mode Card)
640-1031-000	ETH-TPA-AW-DCMK	ETH-TPA-AW-DCMK (Kit, Automotive Ethernet, Distortion & Common Mode)

Aligned positioning , eliminates need for Jumper Cables





General data

Temperature loading	Operating temperature range: +5 °C to +40 °C; +23 °C for compliance tests Storage temperature range: -40 °C to +70 °C
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Altitude	up to 4600 m above sea level
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Sections

General purpose SMA adapter	solder pads (differential signal, 2 × ground) to differential SMA (50 Ω, female); complies with the adapter specification of the OPEN Alliance Automotive Ethernet ECU Test Specification (version 2.0, at +23 °C; meas.)
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Return loss (single ended)	solder pads (differential signal, 2 × ground) to single ended SMA (50 Ω, female)
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Common mode emission	solder pads (differential data, 2 × ground) to single ended SMA (50 Ω, female)
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Distortion test (SMA output)	differential SMA (50 Ω, female) for signal input, disturber input and measurement output (to oscilloscope)
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Common mode emission (SMA)	differential SMA (50 Ω, female) to single ended SMA (50 Ω, female)
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Distortion test (probe output)	differential SMA (50 Ω, female) for signal input and disturber input; measurement output via probing pins
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Contact us for more product or company information:

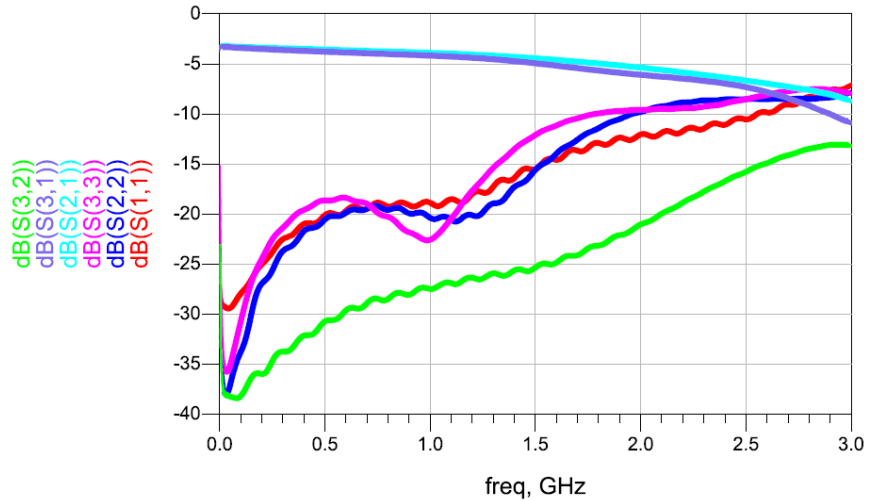
Headquarters

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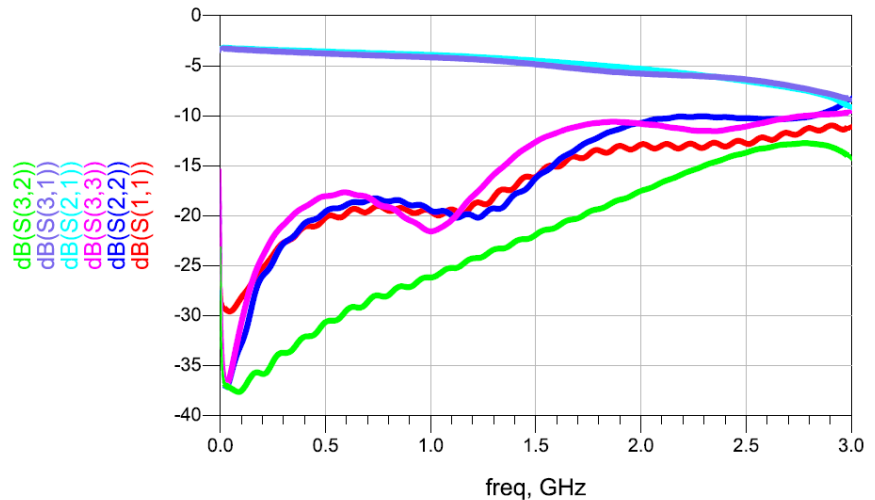
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Distortion Board (P Circuit)



Distortion Board (P Circuit)



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Signal Integrity — High Speed, Low Noise, Ultra-low Insertion and Return Loss.

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Optimized Signal Path — We provide the cleanest possible conduit to provide you with the cleanest possible signal.

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