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FlexMedia 1000BASE-T1

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The FlexMedia 1000BASE-T1 is a converter for 100/1000BASE-T1 to 100BASE-TX/1000BASE-T and vice versa. With the FlexMedia 1000BASE-T1, it is possible to connect an automotive Ethernet network to a standard PC for testing or diagnostic purposes. It supports up to 1000 Mbit/s in full duplex mode on both sides.

BENEFITS
• Master and slave mode selectable via DIP-switch
• 100 Mbit/s and 1000 Mbit/s mode selectable via DIP-switch
• Automatic selection of A0 and A2 mode
• Marvell 88Q2112-A2-NYD2A000 transceiver is used for the 1000BASE-T1 conversion
• Supply voltage: 8-48V DC
• Status LEDs
• RJ45 connector for 1000BASE-T
• D-Sub 9 pin male connector for 1000BASE-T1
• IP20
• Temperature range -40°C to +70°C

HARDWARE
Electrical characteristics

Supply voltage			
	Min.	Typ.	Max.
Operating	+8.0 V	–	+48.0 V
Absolut maximum (non-operating)	-60.0 V	–	+60.0 V
Supply current - operating	–	140 mA	

Physical characteristics

Connectors	RJ45, D-Sub 9
Weight approx.	145 g
Dimensions approx. L x W x H	92 x 65 x 28 mm

Environmental Conditions

Temperature	Operating / Storage:	-40°C to +70°C
Relative Humidity	0% – 90% RH, non-condensing	

SCOPE OF DELIVERY
FlexMedia 1000BASE-T1

ORDER INFORMATION FLEXMEDIA 1000BASE-T1

Product	Description	Order number
FlexMedia 1000BASE-T1	Media converter for 1000BASE-T1 to 1000BASE-T and vice versa.	3-01000A01-01