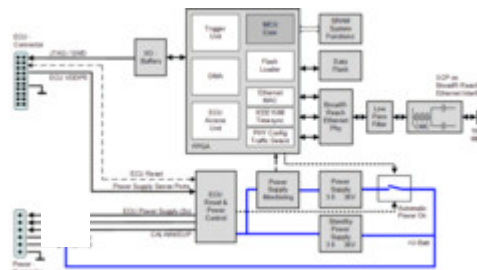


BR_XETK-S4.0

ECU interface for the STMicroelectronics STELLAR SR6 microprocessor family



CPU interface

Supported processors	ST Microelectronics Stellar SR6
	For a complete list of supported microprocessors, please refer to the product's user's guide.
Configuration	Project-specific configuration for memory configurations stored in EEPROM
Board	
Dimensions (HxWxD)	8.7 x 38 x 33.5 mm / 0.352 x 1.496 x 1.318 in
Power supply	
Input voltage	6.6 V to 36 V
	Cranking voltage < 3 sec: 3V
Input current at 12 V	Approx. 135 mA normal operation
	Approx. 40 mA normal stand-by

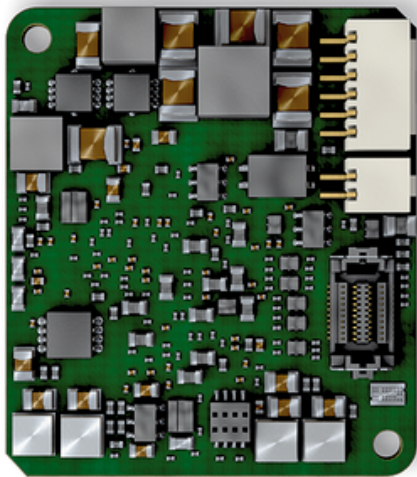
This product has been developed and released for use in automotive applications. For usage in other domains please contact your ETAS representative.

Diagram illustrating the test setup for the BroadR-Reach module. The setup includes a laptop connected to a USB-RJ45 adapter (5), which is connected to a network switch (6). The network switch is connected to a server rack (7) containing four modules: ES523, ES59xx, ES600.2, and ES88xx. The ES88xx module is connected to a USB-Lemo 1B FGG (4), which is connected to a BR_XETK module (2). The BR_XETK module is connected to a BroadR-Reach module (3), which is connected to a USB-Lemo 1B FGG (4). The USB-Lemo 1B FGG (4) is connected to a USB-RJ45 adapter (5).

- 1 – ECU Connection
2 – Automotive Ethernet Connection
3 – Automotive Ethernet Connection

- 4 – Media Converter (PC Connection)
- 5 – Media Converter (ES523, ES59x, ES600, ES89x, ES910 Connection)
- 6 – Ethernet Connection with ES88x

Order Name	Short Name	Order Number
BR_XETK-S4		
BR_XETK-S4.0B ECU interface for the STMicroelectronics STELLAR SR6 microcontroller family (including gap pad)	BR_XETK-S4.0B	F-00K-113-468



Optional Accessories for BR_XETK-S4

1 – ECU Connection

ETAM2 ETK ECU Adapter, MOLEX - open wires (6fc - 6c), 0m25	ETAM2	F-00K-109-306
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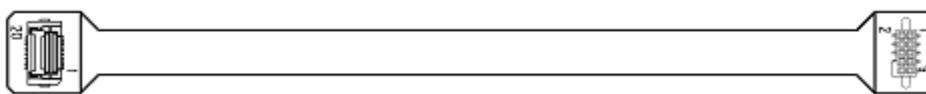
ETAM5 FETK ECU Adapter, MOLEX - MOLEX (6fc - 5fc+1c), 0m136	ETAM5	F-00K-110-101
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ETAM8A BR_XETK-S3/S4 ECU Adapter, FCI - SAMTEC
SFM (20c - 10fc), 0m11

ETAM8A

F-00K-110-754



2 - Automotive Ethernet Connection

ETABR1 Automotive Ethernet interface cable, MOLEX
à open wires (ECU), 0,3m (2fc - 2c) Single wires
which need to be twisted while mounting

ETABR1

F-00K-109-771



ETABR2 Automotive Ethernet interface cable, MOLEX
à MOLEX (ECU), 0,17m (2fc - 2c)

ETABR2

F-00K-111-118



ETABR3 Automotive Ethernet Interface Cable,
MOLEX - open wire (2fc-2c), 0m33

ETABR3

F-00K-111-964



CBAM290 Automotive Ethernet interface cable, pre-
assembled into M10 screwing, shield on ECU-
Housing MOLEX à Lemo, 0,60m (2fc - 2c)

CBAM290.1-0m6

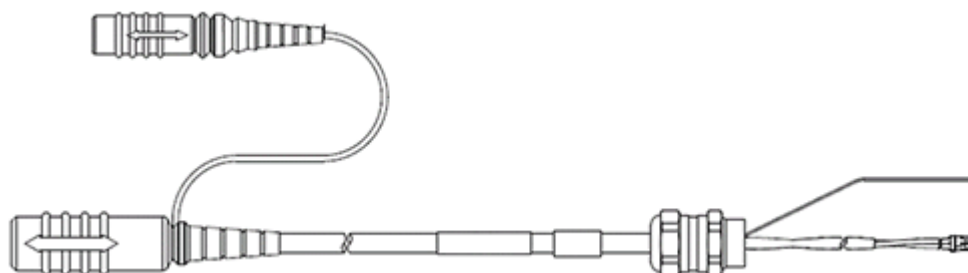
F-00K-111-117



BR_XETK ECU Adapter and Power Supply Cable, pre-
assembled into M12 screwing, shield on ECU
housing, Lemo 1B PHA - MOLEX (2fc-2fc) / Lemo 1B
PHG - open wire (2fc-1c), 0m6

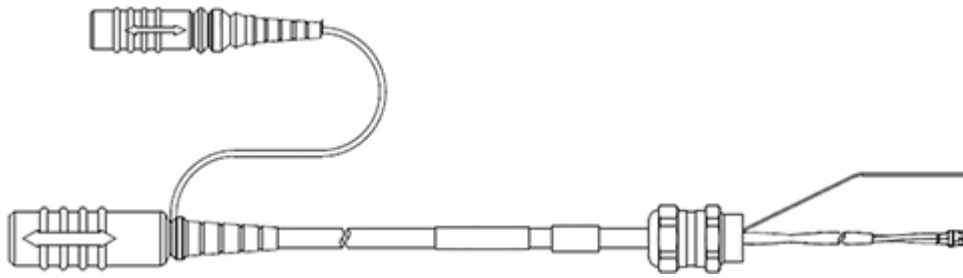
CBAM295.1-0m6

F-00K-111-656



BR_XETK ECU Adapter and Power Supply Cable, pre-assembled into M12 screwing, shield on ECU housing, Lemo 1B PHA - MOLEX (2fc-2fc) / Lemo 1B PHG - open wire (2fc-1c), 1m8

CBAM295.1-1m8 F-00K-111-657



3 – Automotive Ethernet Connection

4 – Media Converter (PC Connection)

Media Converter Cable, DSUB - RJ45 (9mc-8mc), 1m CBEB100.1-1m0 F-00K-110-094



5 – Media Converter (ES523, ES59x, ES600, ES89x, ES910 Connection) [1]

ES165.1 Media Converter (1xAE) with Lemo connector ES165.1 F-00K-112-184



6 – Ethernet Connection to ES88x

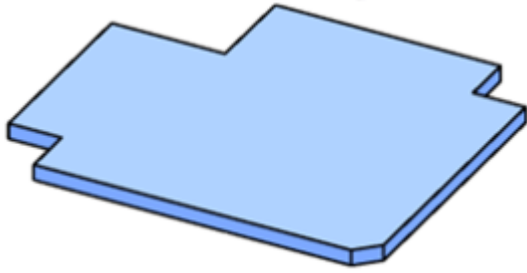
Automotive Ethernet Splitter Cable 100 Mbit/s, Yamaichi YCP - 4x DSUB (8mc - 4x 9mc), 0m4

CBEB242.1-0m4 F-00K-111-123

Mechanical Accessories

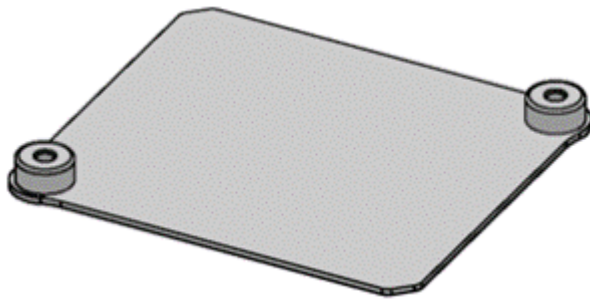
Gap pad as spare part for BR_XETK-S3/S4

BR_XETK-S3_GP F-00K-110-752



Mounting bracket for BR_XETK-S3/S4

BR_XETK-S3_MB F-00K-110-753



[1] You can find the suitable adapter cable for the Media Converter to your BR_XETK on the [ES16x Ordering Information page](#).

Note: This list contains only a selection of available adapters. A comprehensive overview is available in the User Guide of each ETK.

