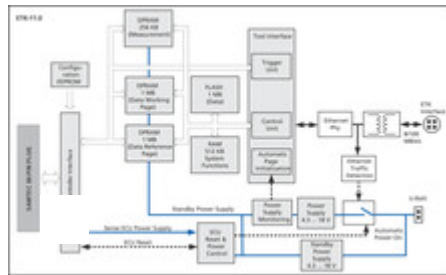
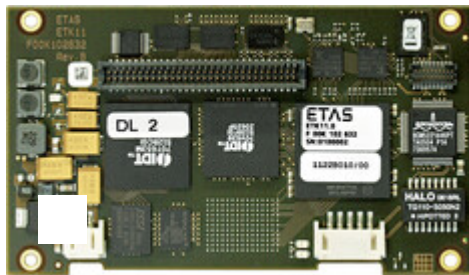


ETK-11.0 – ECU Interface

Technical Data



CPU interface

Bus interface 2.5 V/ 3.3 V compatible bus interface for non-multiplexed bus

16 bit data bus

Supported processors Supports MPC5500 family of microcontrollers in packages with an external bus interface

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) 8.9 x 94 x 54 mm/ 0.4 x 3.7 x 2.1 in

Power supply

Input voltage 4.3 V to 18 V

Stand-by: min. 4.3 V

Input current at 12 V approx. 70 mA normal operation

approx. 12 mA stand-by

Memory emulation

Emulation memory Two memory pages with 1 MB (1024 KB) data memory each,
maximum access time 25 nsec

Measured data memory One memory page with 256 KB of memory, maximum access time
25 nsec

Flash memory 1 MB (1024 KB) flash (data)

Host interface

Serial interface 100 Mbit/s

Double-shielded line

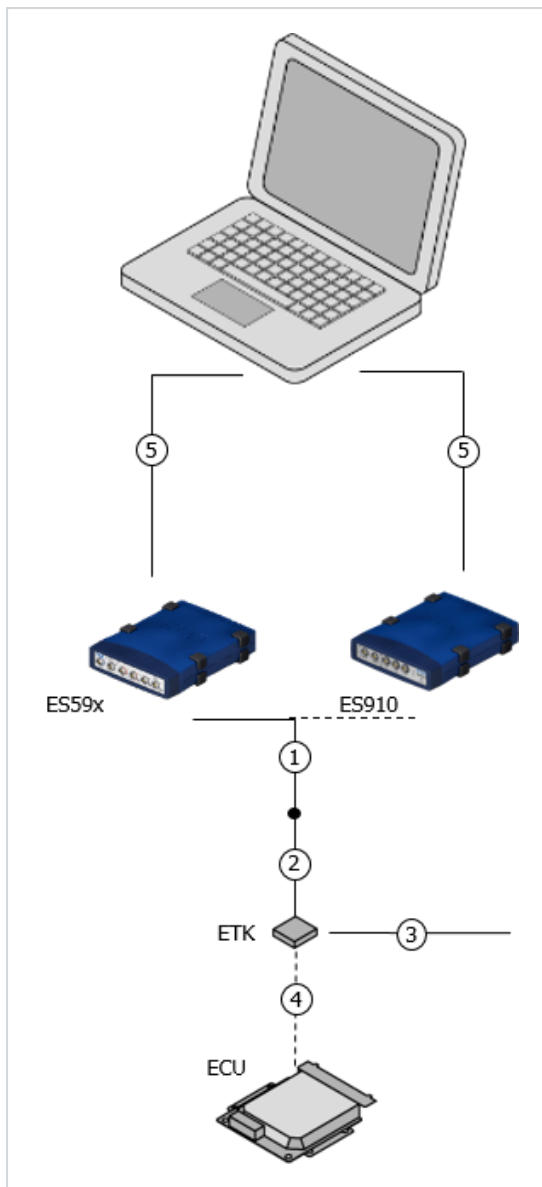
Electrically isolated

Operation temperature

Temperature range -40 °C to +110 °C / -40 °F to +230 °F

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

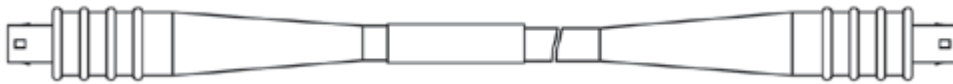
Ordering Information



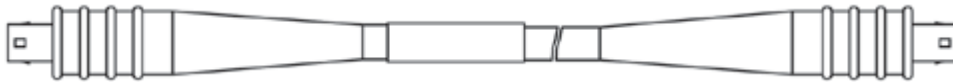
- 1 – Interface Connection
- 2 – ETK Connection (for all 100 Mbit ETKs)
- 3 – Power Supply Connection
- 4 – ECU Connection
- 5 – Ethernet PC Connection

Order Name	Short Name	Order Number
ETK-11.0		
ETK11.0 Emulator Probe	ETK11.0	F-00K-102-632
Optional Accessories for ETK-11.0		
1 – Interface Connection (all 100 Mbit ETKs to ES59x, ES690, ES910)		

ETK Interface Cable 100 Mbit/s, Lemo 1B FFG - CBM150-3 F-00K-102-556
Lemo 1B FFG (4mc-4mc), 3 m



ETK Interface Cable 100 Mbit/s, Lemo 1B FFG - CBM150-5 F-00K-102-557
Lemo 1B FFG (4mc-4mc), 5 m

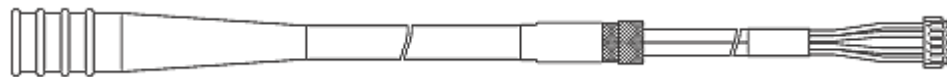


ETK Interface Cable 100 Mbit/s, Lemo 1B FFG - CBM150-10 F-00K-102-553
Lemo 1B FFG (4mc-4mc), 10 m

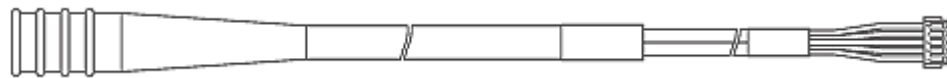


2 - ETK Connection (for all 100 Mbit ETKs)

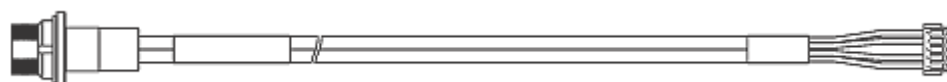
ETK ECU Adapter Cable, Shield on ECU-Housing, KA54 F-00K-001-302
Lemo 1B PHG - JST PHR (4fc-5fc), 0m6



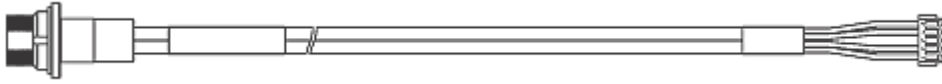
ETK ECU Adapter Cable, Lemo 1B PHG - JST PHR KA55 F-00K-001-303
(4fc-5fc), 0m6



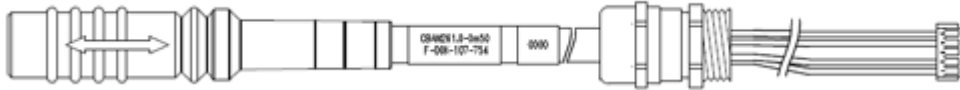
ETK ECU Adapter Cable, Shield on ECU-Housing, CBAM200.2-0m085 F-00K-104-312
Lemo 1B HMG - JST PHG (4fc-5fc), 0m085



ETK ECU Adapter Cable, Shield on ECU-housing, CBAM200-0m130 F-00K-104-852
Lemo 1B HMG - JST PHG (4fc-5fc), 0m130

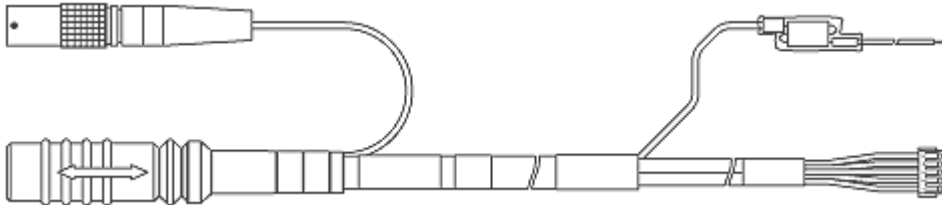


ETK ECU Adapter Cable, pre-assembled into PG9 screwing, shield on ECU- Housing, Lemo 1B PHG - CBAM261-0m5 F-00K-107-754
JST PHR (4fc-5fc), 0m50

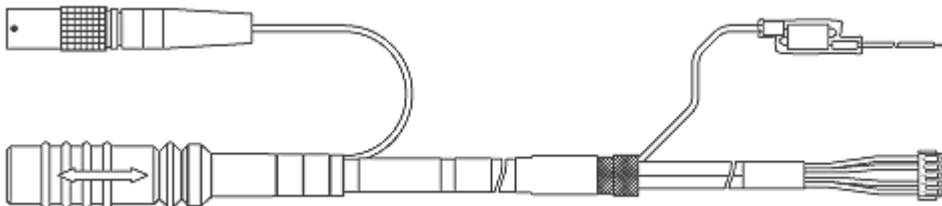


2&3 - Combined ETK ECU Adapter and Power Supply Cable (all 100 Mbit ETKs)

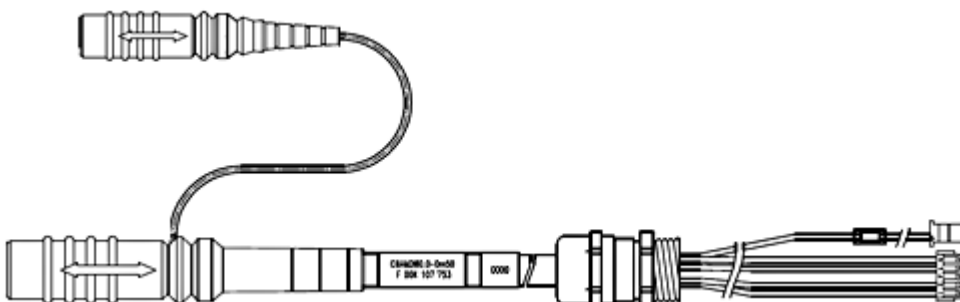
ETK ECU Adapter and Power Supply Cable, Lemo 1B PHG - JST PHR (4fc-5fc) / Lemo 0B PHG - open CBAM210-0m6 F-00K-104-873
wires (2fc-2c), 0m6



ETK ECU Adapter and Power Supply Cable, Shield on ECU-Housing, Lemo 1B PHG - JST PHR (4fc-5fc) CBAM220-0m6 F-00K-105-075
/ Lemo 0B PHG - open wires (2fc-2c), 0m60



ETK ECU Adapter and Power Supply Cable, pre-assembled into PG9 screwing, shield on ECU- CBAM260-0m5 F-00K-107-753
Housing, Lemo 1B PHG - JST PHR (4fc-5fc) / Lemo 0B PHG - JST PAP (2fc-2fc), 0m50



3 – Power Supply Connection

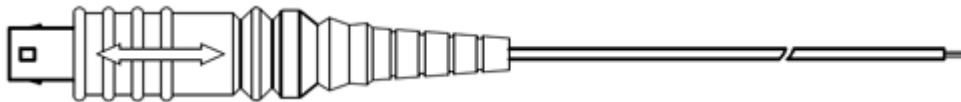
ETK Power Supply Cable with Filter Coil, JST PHR - open wires (2fc-2c), 0m19 ETV2 F-00K-000-593



ETK Power Supply Cable for External Supply, with Filter Coil, Lemo 0B EGG - open wire (2fc-1c), 0m2 KA50 F-00K-000-940



External Power Supply Cable for ETKs, Lemo 0B - FGG open wires (2fc-1c), 2 m K70.1 F-00K-109-270



ETK power supply for 6-36V DC input ETP1 F-00K-000-624

ETK power supply for 4,3-36V DC input, with galvanic isolation ETP2 F-00K-104-010

ECU Connection Protection Cap (for CBAM230, CBAM240)

Cap to protect open Lemo 1B sockets against dirt, cost effective CAP_LEMO_1B_LC F-00K-105-683



5 – Ethernet PC Connection

Further information on the Ethernet PC Connection, can be found in the [cable page Ethernet Connection](#).

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