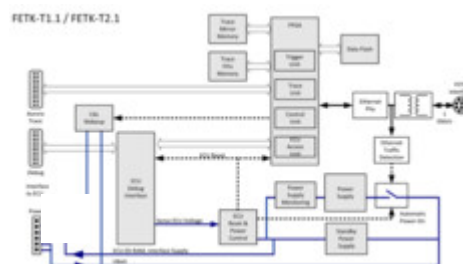


# FETK-T5.0 – Fast ECU Interfaces

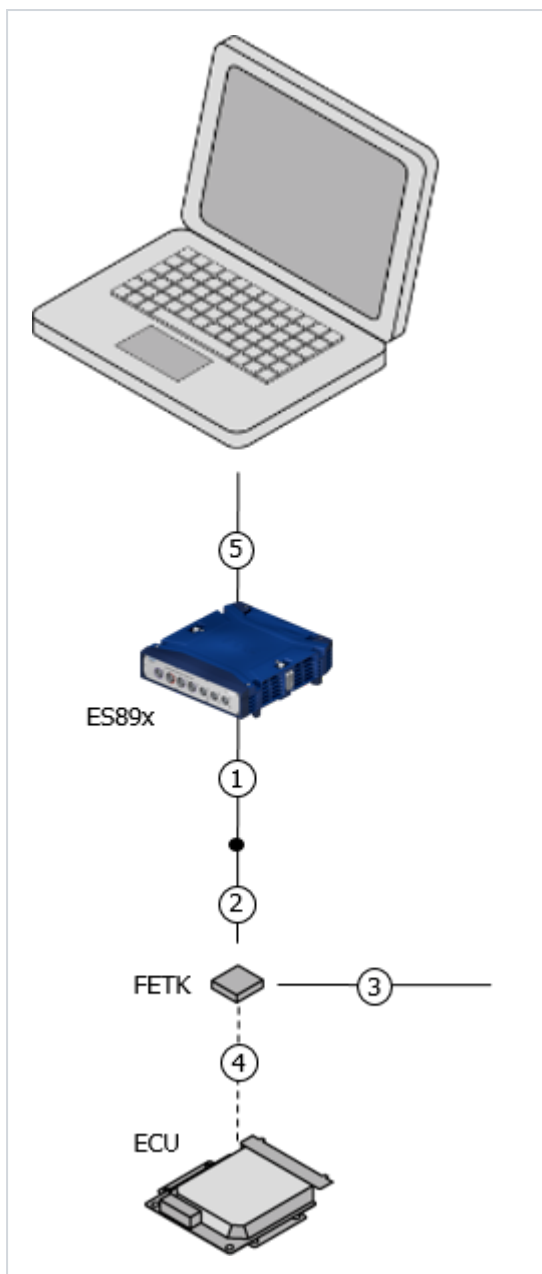


|                       |                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU interface         |                                                                                                                                                                                                                                                                                             |
| Supported processors  | NXP S32                                                                                                                                                                                                                                                                                     |
|                       | 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 (LxWxH)    | 60 x 45,25 x 12 <sup>1</sup> mm / 2,362 x 1,781 x 0,472 <sup>1</sup> in<br>60 x 45,25 x 14,9 <sup>2</sup> mm / 2,362 x 1,781 x 0,587 <sup>2</sup> in<br><br>(Note 1: Height does not include an adapter connector)<br>(Note 2: Height includes a cable ETAM2 mounted at the CON2 connector) |
| Power supply          |                                                                                                                                                                                                                                                                                             |
| Input voltage         | 6,6 V to 32 V                                                                                                                                                                                                                                                                               |
|                       | Cranking voltage < 3 sec: 3V                                                                                                                                                                                                                                                                |
| Input current at 12 V | Approx. 210 mA normal operation                                                                                                                                                                                                                                                             |

|                              |                                       |
|------------------------------|---------------------------------------|
| Approx. 78 mA normal standby |                                       |
| Approx. 3 mA deep standby    |                                       |
| Memory emulation             |                                       |
| Emulation memory             | Processor specific                    |
| Measured data memory         | Processor specific                    |
| Host interface               |                                       |
| Connection                   | 1 Gbit/s Ethernet                     |
| Cable length                 | max. 30 m/100 ft                      |
| Ethernet interface           | DC decoupling                         |
| Operation temperature        |                                       |
| Temperature range            | -40 °C to +110 °C / -40 °F to +230 °F |

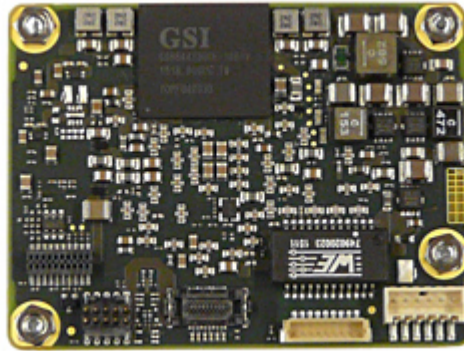
This product has been developed and released for use in automotive applications. For usage in other domains please contact your ETAS representative.

## Ordering Information



- 1 – ES89x Interface Cable
- 2 – ECU Adapter Cables
- 3 – Power Supply Cables
- 4 – FETK - ECU Adapter
- 5 – Ethernet PC Connection

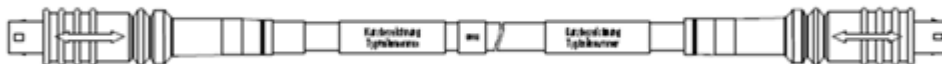
| Order Name                                                                                                                                      | Short Name | Order Number  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|
| FETK-T5.0A                                                                                                                                      |            |               |
| Emulator Probe for the NXP S32 microcontroller family, ECU adaption via 10 pin SAMTEC, 20 pin SAMTEC and 6 pin MOLEX plug, with further adapter | FETK-T5.0A | F-00K-113-728 |



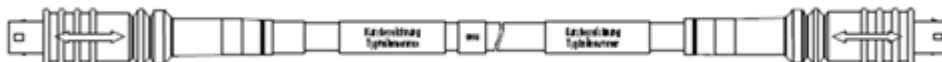
## Optional Accessories

### 1 – ES89x Interface Cable

1 GBit/s Ethernet Connection and Power Supply  
Cable, Lemo 1B FGM - Lemo 1B FGH (10fc-10mc), 3 m CBE260.1-3 F-00K-109-446



1 GBit/s Ethernet Connection and Power Supply  
Cable, Lemo 1B FGM - Lemo 1B FGH (10fc-10mc), 8 m CBE260.1-8 F-00K-109-447

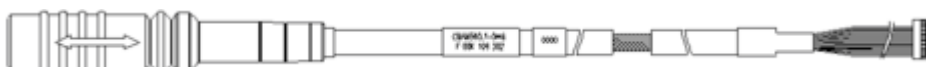


### 2 – ECU Adapter Cable

FETK ECU Adapter Cable, pre-assembled into PG9  
screwing, shield on ECU Housing, Lemo 1B PHM - JST CBAM300.3-0m6 F-00K-112-469  
SHR (10mc-9fc), 0m60



FETK ECU Adapter Cable, shield on ECU-Housing,  
Lemo 1B PHM - JST SHR (10mc-9fc), 0m60 CBAM340.1-0m6 F-00K-109-302



### 2&3 – Combined ECU Adapter and Power Supply Cable

FETK ECU Adapter and Power Supply Cable, pre-assembled into PG9 screwing, shield on ECU-Housing, Lemo 1B PHM - JST SHR (10mc-9fc) / Lemo 0B PHG - open wire (2fc-1c), 0m60

CBAM305.1-0m6 F-00K-109-297

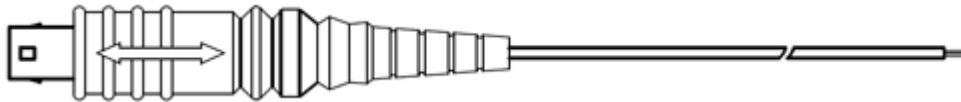


### 3 – Power Supply Cables

External Power Supply Cable for ETKs, Lemo 0B - FGG open wires (2fc-1c), 2 m

K70.1

F-00K-109-270



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

KA50

F-00K-000-940



### 4 – FETK - ECU Adapter

ETAM2 ETK ECU Adapter, MOLEX - open wires (6fc - 6c), 0m25

ETAM2

F-00K-109-306



ETAM4 FETK Trace ECU Adapter, SAMTEC SSH - SAMTEC STH (20fc - 20mc), 0m17

ETAM4

F-00K-109-979

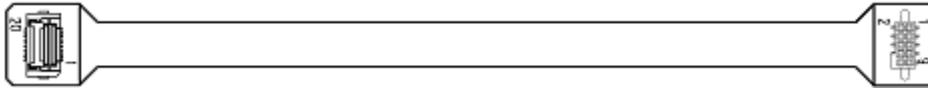


ETAM5 FETK ECU Adapter, MOLEX - MOLEX (6fc - 5fc+1c), 0m136

ETAM5

F-00K-110-101





## 5 – Ethernet PC Connection

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