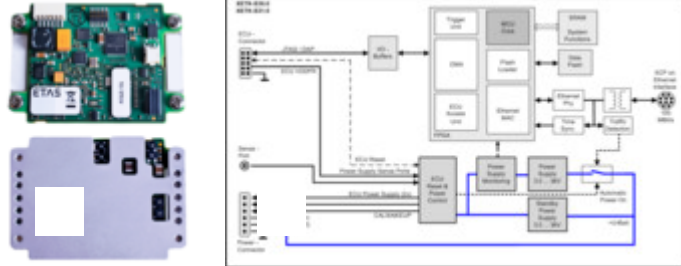# XETK-S31.0

CPU interface

Supported processors	NXP* MPC57xx and ST Microelectronics SPC/EMU57xx/58xx and SPC58x families (* former Freescale)
	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)	11.8 x 45 x 40 mm / 0.465 x 1.772 x 1.575 in (11.8 x 57 x 40 mm / 0.465 x 2.244 x 1.575 in - with mounting holes)

Power supply

Input voltage	4.3 V to 36 V
	Cranking voltage < 3 sec: 3V
Input current at 12 V	approx. 135 mA normal operation
	approx. 35 mA normal stand-by

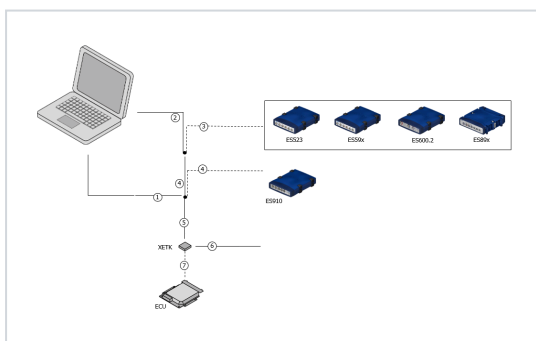| Memory emulation	
Emulation memory	Processor-specific
Measured data memory	Processor-specific
Host interface	
Serial interface	100 Mbit/s
	Double-shielded line, max. 30 m/100 ft
	Electrically isolated
Operation temperature	
Temperature range	-40 °C to +110 °C / -40 °F to +230 °F

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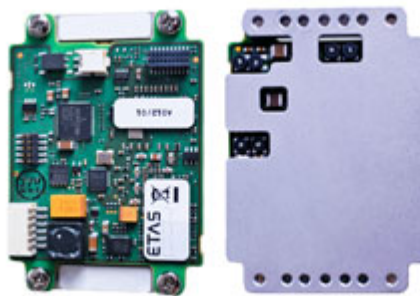
Ordering Information

1 – Ethernet PC Connection
2 – Ethernet PC Connection - Adapter Cable
3 – Ethernet Connection - Adapter Cable
4 – Ethernet Connection

5 – XETK Connection

6 – Power Supply Connection

7 – ECU Connection

Order Name	Short Name	Order Number
XETK-S31.0		
XETK-S31.0C Emulator Probe for the NXP* MPC57xx and ST Microelectronics SPC/EMU57xx/58xx and SPC58x microcontroller families	XETK-S31.0C	F-00K-109-304

Optional Accessories

1 – Ethernet PC Connection

Ethernet PC Connection Cable 1 Gbit/s, Lemo 1B FGE - RJ45 (10mc-8mc), 3 m	CBE200-3	F-00K-104-373

Ethernet PC Connection Cable 1 Gbit/s, Lemo 1B FGE - RJ45 (10mc-8mc), 8 m	CBE200-8	F-00K-104-374

2 – Ethernet PC Connection - Adapter Cable (CBAE200)

Ethernet Connection Adapter Cable 1 GBit/s, Lemo 1B PHE - RJ45 (10fc- 8mc), 1m2	CBAE200-1m2	F-00K-105-760

3 – Ethernet Connection - Adapter Cable (CBAE330)
(ES523, ES59x, ES600.2, ES88x, ES89x)

Ethernet Connection Adapter Cable 1 GBit/s to 100 MBit/s, Lemo 1B PHE - Lemo 1B FGF (10fc-8mc), 0m5	CBAE330-0m5	F-00K-105-759

4 – Ethernet Connection
(ES523, ES59x, ES600.2, ES88x, ES89x, ES910)

Ethernet Connection Cable 1 GBit/s, Lemo 1B FGE - Lemo 1B FGE (10mc- 10mc), 3 m	CBE230-3	F-00K-105-757

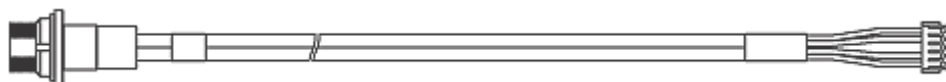|		
Ethernet Connection Cable 1 GBit/s, Lemo 1B FGE - Lemo 1B FGE (10mc- 10mc), 8 m	CBE230-8	F-00K-105-758

5 – XETK Connection

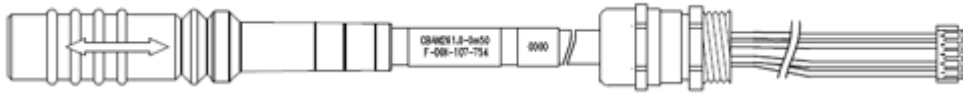|		
XETK ECU Adapter Cable, 100 Mbit/s, Shield on ECU-Housing, Lemo 1B HME - JST PHR (10fc-5fc), 0m38	CBAM230-0m38	F-00K-105-791

XETK ECU Adapter Cable, 100 MBit/s, Lemo 1B PHE - JST PHR (10fc-5fc), 0m6	CBAM240-0m6	F-00K-105-792

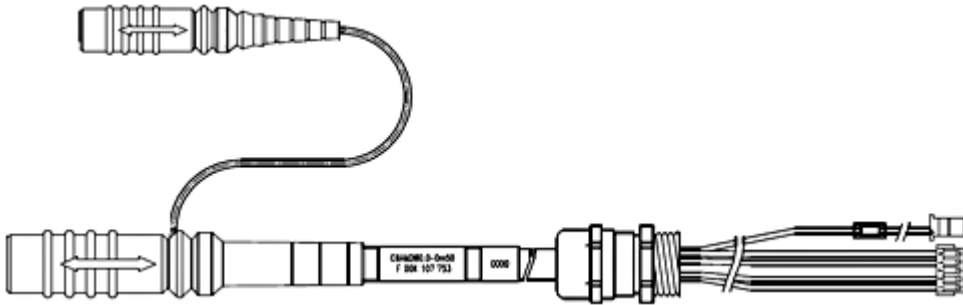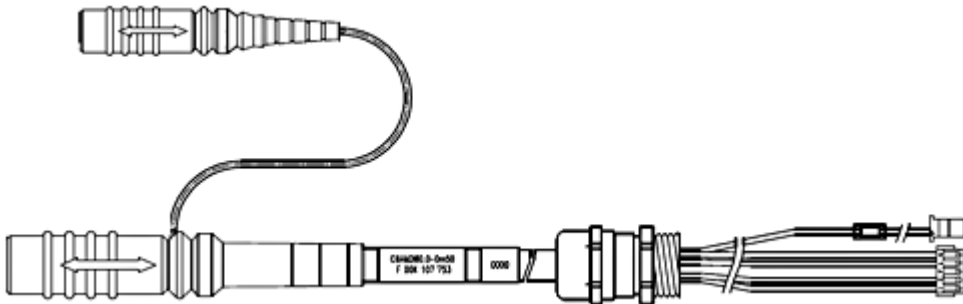|		
XETK ECU Adapter Cable, pre-assembled into PG9 screwing, shield on ECU- Housing, Lemo 1B PHE - JST PHR (10fc-5fc), 0m50	CBAM271-0m5	F-00K-107-867

5&6 – XETK and Power Supply Connection

XETK ECU Adapter and Power Supply Cable, pre-assembled into PG9 screwing, shield on ECU-Housing, Lemo 1B PHE - JST PHR (10fc-5fc) / Lemo 0B PHG - JST PAP (2fc-2fc), 0m50	CBAM270-0m5	F-00K-107-866

XETK ECU Adapter and Power Supply Cable, pre-assembled into PG9 screwing, shield on ECU-Housing, Lemo 1B PHE - JST PHR (10fc-5fc) / Lemo 0B PHG - JST PAP (2fc-2fc), 0m70	CBAM270-0m7	F-00K-108-479

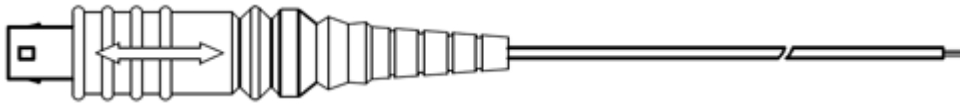## 6 – Power Supply Connection

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 |

7 – ECU Connection

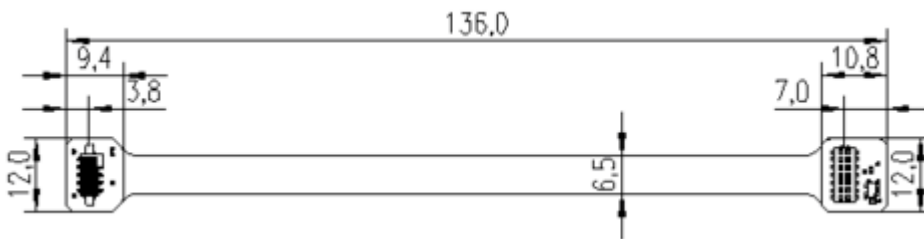| ETAM2 ETK ECU Adapter, MOLEX - open wires (6fc - 6c), 0m25 | ETAM2 | F-00K-109-306 |

| ETAM3 ETK ECU Adapter, ERNI - SAMTEC (12fc - 10fc), 0m11 | ETAM3 | F-00K-109-673 |

| ETAM5 FETK ECU Adapter, MOLEX - MOLEX (6fc - 5fc+1c), 0m136 | ETAM5 | F-00K-110-101 |

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 |

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

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