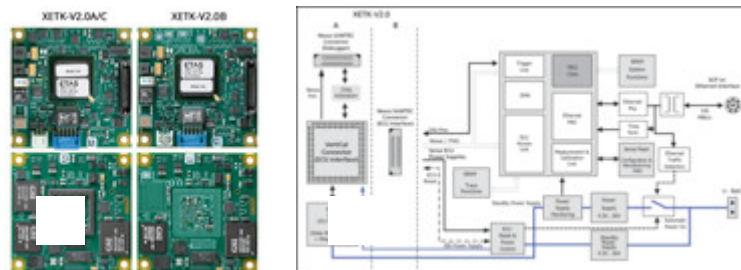


XETK-V2.0



CPU interface

Bus interface

2.5 V/ 3.3 V (auto-detect) Nexus/JTAG interface

2.5 V/ 3.3 V address/data bus interface for 32 bit multiplexed bus (XETK-V2.0A/C)

Supported processors

NXP* MPC5600 & ST SPC5600 microprocessors on VertiCal Base Board (XETK-V2.0A/C) (* former Freescale)

NXP* MPC5600 & ST SPC5600 microprocessors in all packages (XETK-V2.0B) (* 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)

Approx. 12 x 60 x 60 mm/ 0.47 x 2.4 x 2.4 in (XETK-V2.0A/C)

Approx. 9 x 60 x 60 mm/ 0.35 x 2.4 x 2.4 in (XETK-V2.0B)

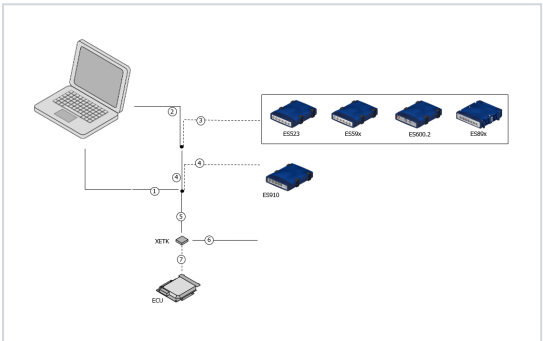
Power supply

Input voltage	4.3 V to 36 V
	Stand-by: min. 4.3 V
Input current at 12V	approx. 130 mA normal operation (XETK-V2.0A/C)
	Approx. 110 mA normal operation (XETK-V2.0B)
	approx. 30 mA stand-by (XETK-V2.0A/C)
	Approx. 21 mA stand-by (XETK-V2.0B)
Memory emulation	
On-board memory	2 MB Synchronous RAM (XETK-V2.0A)
	n/a (XETK-V2.0B)
	4 MB Synchronous RAM (XETK-V2.0C)
Emulation memory	ECU-specific, freely configurable within on-board memory (XETK-V2.0A/C)
	ECU-specific, freely configurable within ECU memory (XETK-V2.0B)
Measured data memory	ECU-specific
Host interface	
Serial interface	100 Mbit/s
	Double-shielded line, 30 m/100 ft max.
	Electrically isolated
Debug interface	50 pin Samtec Nexus/JTAG debugging interface connector (XETK-V2.0A/C)
	ECU-specific external circuit and connector required (XETK-V2.0B)
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-V2.0		
XETK-V2.0 Emulator Probe with 2MByte emulation memory for NXP* MPC5600 & ST SPC5600 microprocessors, ECU adaption via VertiCal Base Board	XETK-V2.0A	F-00K-106-941



XETK-V2.0 Emulator Probe without emulation
memory for NXP* MPC5600 & ST SPC5600
microprocessors, ECU adaption via 50 pin Samtec

XETK-V2.0B

F-00K-107-036



XETK-V2.0 Emulator Probe with 4MByte emulation
memory for NXP* MPC5600 & ST SPC5600
microprocessors, ECU adaption via VertiCal Base
Board

XETK-V2.0C

F-00K-109-733



Optional Accessories for XETK-V2.0

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 (CBE230-PC)

Ethernet Connection Adapter Cable 1 GBit/s, Lemo
1B PHE - RJ45 (10fc- 8mc), 1m2

CBAE200-1m2

F-00K-105-760



3 – Ethernet ES600 Connection - Adapter Cable (CBE230-ES600)

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 ES910 / ES592 / ES595 Connection

Ethernet Connection Cable 1 GBit/s, Lemo 1B FGE -
Lemo 1B FGE (10mc- 10mc), 3 m

CBE230-3

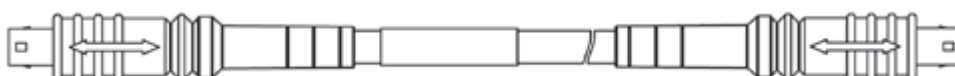
F-00K-105-757



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

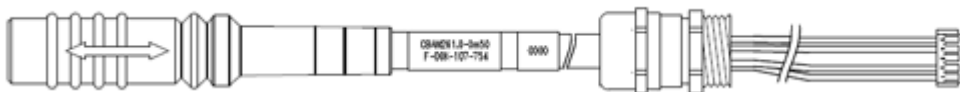
XETK ECU Adapter Cable, 100 Mbit/s, Shield on
ECU-Housing, Lemo 1B HME - JST PHR (10fc-5fc), CBAM230-0m38 F-00K-105-791
0m38



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

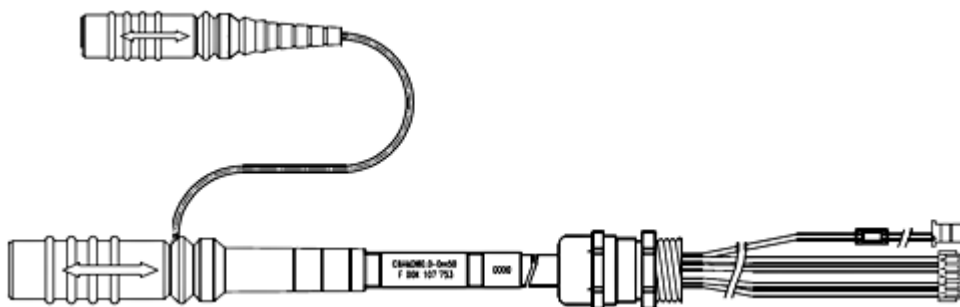


XETK ECU Adapter Cable, pre-assembled into PG9
screwing, shield on ECU- Housing, Lemo 1B PHE - CBAM271-0m5 F-00K-107-867
JST PHR (10fc-5fc), 0m50

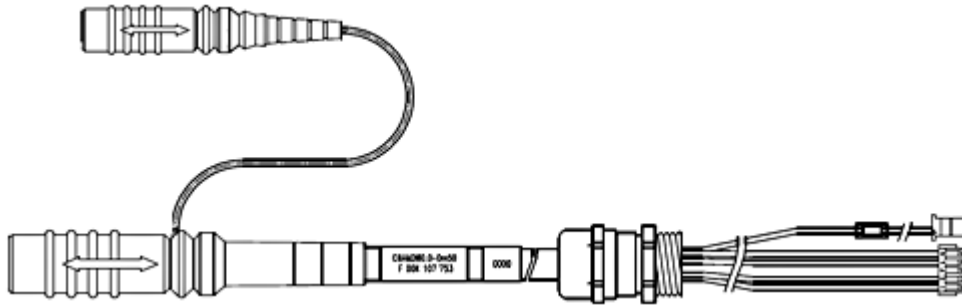


5&6 – XETK and Power Supply Connection

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



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



6 – Power Supply Connection

ETK Power Supply Cable, JST PHR - open wires
(2fc-2c), 0m19

ETV

Y-261-A24-446



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

KA50

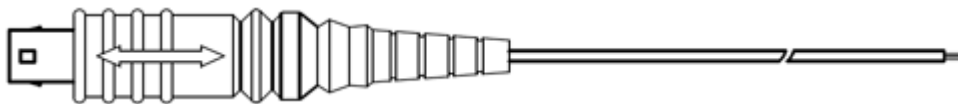
F-00K-000-940



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

K70.1

F-00K-109-270



7 – ECU Connection (XETK-V2.0B)

ETAH1 XETK ECU Adapter, Samtec - Mictor (50mc -
38mc), 0m21

ETAH1

F-00K-105-252

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



* former Freescale

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

