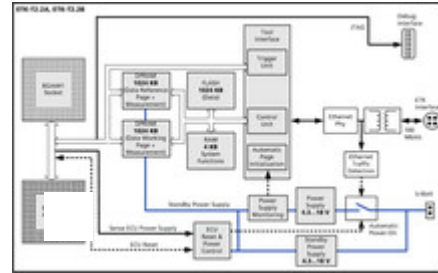
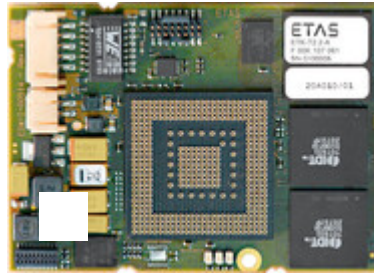


ETK-T2.2 – ECU Interface



CPU interface

Bus interface 2.5 V bus interface (3.3 V tolerant) for non-multiplexed bus

32 bit

Supported processors For Infineon TC1792, TC1793, TC1793ED, TC1796, TC1796ED, TC1797, TC1797ED processors

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) 9.9 x 72 x 52 mm / 0.39 x 2.83 x 2.05 in

Power supply

Input voltage 4.3 V to 18 V

Stand-by: min. 4.3 V

Input current at 12 V approx. 100 mA normal operation

approx. 20 mA stand-by

Memory emulation

Emulation memory Two memory pages with 1024 KB data memory each, minimum access time 18 nsec

Measured data memory Within the emulation memory, freely configurable

Flash memory 1024 KB flash (data)

Host interface

Serial interface 100 Mbit/s

Double-shielded line, max. 30 m/100 ft

Electrically isolated

Debug interface JTAG debugging interface connector

Operation temperature

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

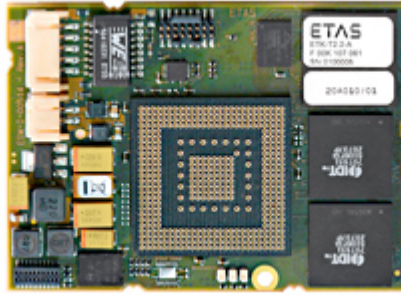
This product has been developed and released for use in automotive applications. For usage in other domains please contact your ETAS representative.

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-T2.2 | | |
| ETKT-2.2A emulator probe with 441 pin adapter for a TC1792, TC1793, TC1796 or TC1797 ECU, with 1MB memory per page | ETK-T2.2A | F-00K-107-061 |



Optional Accessories for ETK-T2.2

1 - Interface Connection (all 100 Mbit ETKs to ES59x, ES690, ES910)

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



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

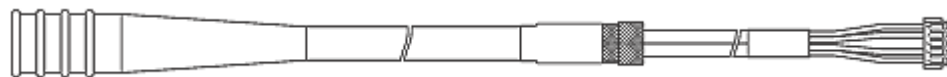


| | | |
|--|-----------|---------------|
| ETK Interface Cable 100 Mbit/s, Lemo 1B FFG - Lemo 1B FFG (4mc-4mc), 10 m | CBM150-10 | F-00K-102-553 |
|--|-----------|---------------|

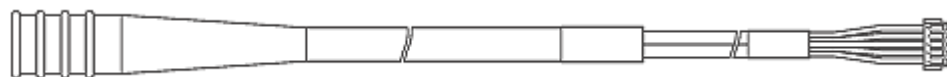


2 - ETK Connection (for all 100 Mbit ETKs)

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

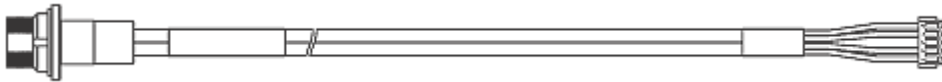


| | | |
|--|------|---------------|
| ETK ECU Adapter Cable, Lemo 1B PHG - JST PHR (4fc-5fc), 0m6 | KA55 | F-00K-001-303 |
|--|------|---------------|



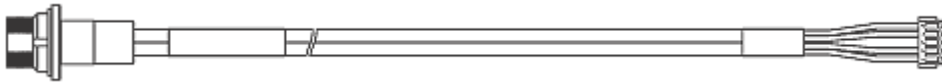
ETK ECU Adapter Cable, Shield on ECU-Housing,
Lemo 1B HMG - JST PHG (4fc-5fc), 0m085

CBAM200.2-0m085 F-00K-104-312



ETK ECU Adapter Cable, Shield on ECU-housing,
Lemo 1B HMG - JST PHG (4fc-5fc), 0m130

CBAM200-0m130 F-00K-104-852



ETK ECU Adapter Cable, pre-assembled into PG9
screwing, shield on ECU- Housing, Lemo 1B PHG -
JST PHR (4fc-5fc), 0m50

CBAM261-0m5

F-00K-107-754

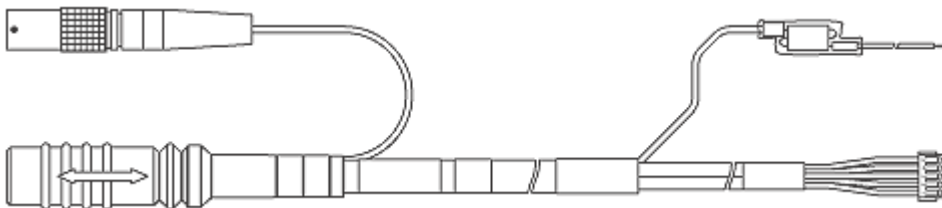


2&3 - Combined ETK ECU Adapter and Power Supply Cable (all 100 Mbit ETKs)

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

CBAM210-0m6

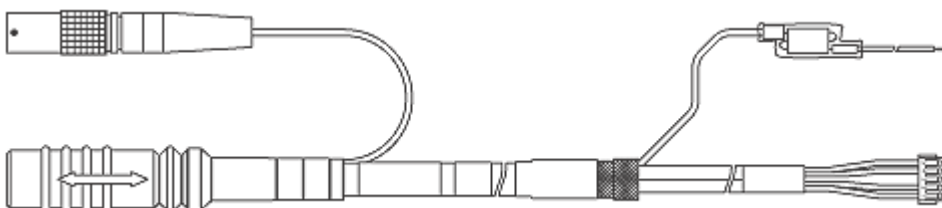
F-00K-104-873



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

CBAM220-0m6

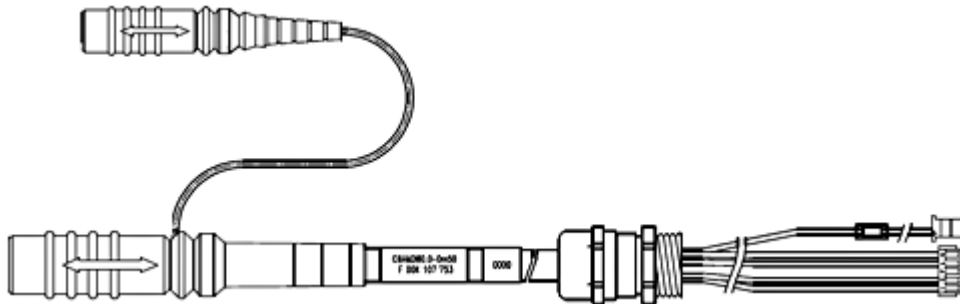
F-00K-105-075



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

CBAM260-0m5

F-00K-107-753



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

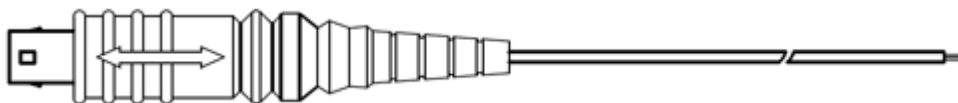
F-00K-000-940



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

Debugger Connection

Debug Adapter from Infineon OCDS1-Plug to ETK

ETAF5.0

F-00K-104-220

Microcontroller Power Supply for ECU (Microcontroller specific)

| | | |
|--|------|---------------|
| Power supply for ECU with 1,5V microcontroller | ETP4 | F-00K-104-914 |
|--|------|---------------|

| | | |
|--|------|---------------|
| Power supply for ECU with 1,3V microcontroller | ETP5 | F-00K-106-798 |
|--|------|---------------|

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 |
|----------------|---------------|



4 - ECU Connection

The ETK is directly put on the ECU without an additional cable.

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.

