
ETAF5

Debug Adapter from OCDS1 to ETK

Data Sheet

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ETAf5

adapts to OCDS1 plug for debugger connection.

There are two specific applications.

- Adapt ECU-ETK-Connector to the Debugger
- Adapt ETK-Debugger-Connector to the Debugger

1.1

View



Fig. 1-1

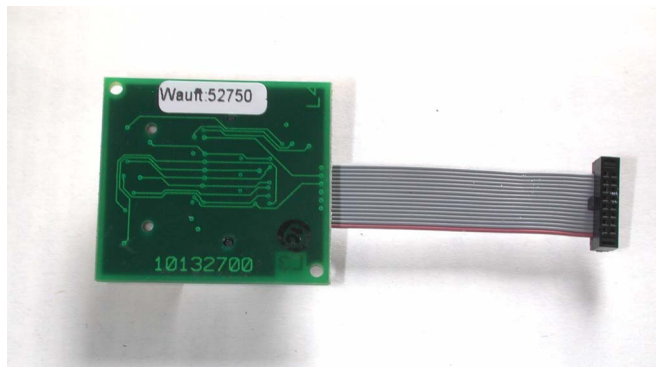


Fig. 1-2

2 Technical Data

2.1 Pin Assignment

2.1.1 Component Placement

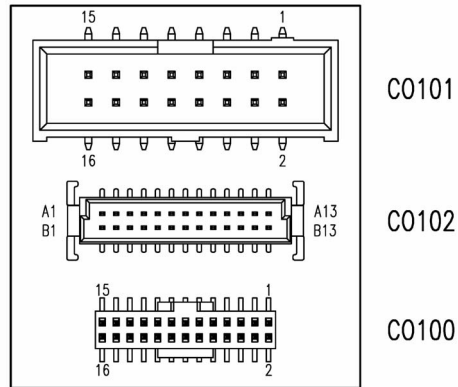


Fig. 2-1

2.1.2 CO100 - to ETK Debugger Connector

Pin	Signal	Description
1	TMS	JTAG Signal
2	VOUT	Target supply for sensing
3	TDO	JTAG Signal
4	GND	Signal Ground
5	RESERVED0	Reserved Signal
6	GND	Signal Ground
7	TDI	JTAG Signal
8	/PORESET	Power On Reset
9	/TRST	JTAG Signal
10	/BRKOUT	OCDS Signal

Pin	Signal	Description
11	TCK	JTAG Signal
12	GND	Signal Ground
13	/BRKIN	OCDS Signal
14	/BREQ	Debugger Arbitration Signal
15	/BGRANT	Debugger Arbitration Signal
16	RESERVED3	Reserved Signal

2.1.3 CO101 - to Debugger

Pin	Signal	Description
1	TMS	JTAG Signal
2	VOUT	Target supply for sensing
3	TDO	JTAG Signal
4	GND	Signal Ground
5	RESERVED0	Reserved Signal
6	GND	Signal Ground
7	TDI	JTAG Signal
8	/PORESET	Power On Reset
9	/TRST	JTAG Signal
10	/BRKOUT	OCDS Signal
11	TCK	JTAG Signal
12	GND	Signal Ground
13	/BRKIN	OCDS Signal
14	/BREQ	Debugger Arbitration Signal
15	/BGRANT	Debugger Arbitration Signal
16	RESERVED3	Reserved Signal

2.1.4 CO102 - to ECU

Pin	Signal	Description
A1	N.C.	not connected
A2	/BRKOUT	OCDS Signal
A3	N.C.	not connected
A4	/BRKIN	OCDS Signal
A5	TDO	JTAG Signal
A6	TMS	JTAG Signal
A7	TCK	JTAG Signal
A8	TDI	JTAG Signal
A9	N.C.	not connected
A10	/TRST	JTAG Signal
A11	N.C.	not connected
A12	N.C.	not connected
A13	VDDP	Target supply for sensing
B1	N.C.	not connected
B2	N.C.	not connected
B3	N.C.	not connected
B4	GND	Signal Ground
B5	GND	Signal Ground
B6	GND	Signal Ground
B7	GND	Signal Ground
B8	GND	Signal Ground
B9	GND	Signal Ground
B10	/PORESET	Power On Reset
B11	N.C.	not connected
B12	N.C.	not connected
B13	N.C.	not connected

2.2 Mechanical Dimension

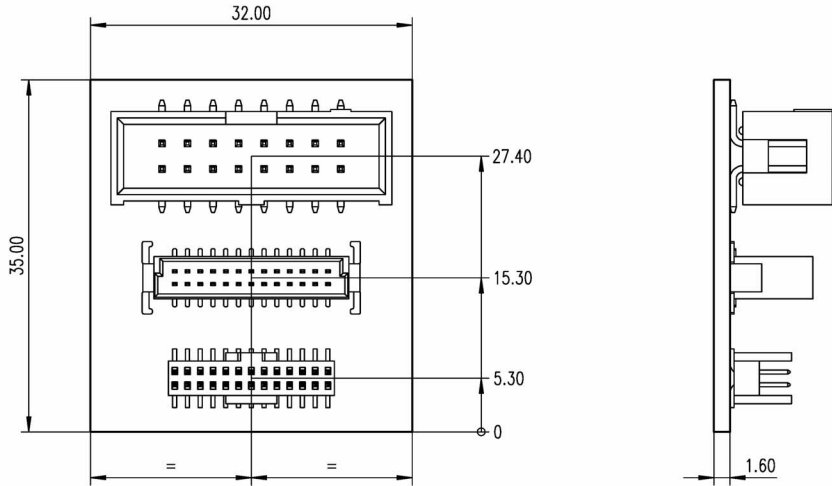


Fig. 2-2 ETAF5 PCB

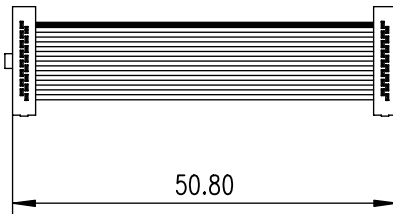


Fig. 2-3 ETAF5 Flatcable

2.3 Temperature Range

Condition	Temperature
Operating Temperature	-40°C - +105°C

3 Ordering Information

Type	Order-No
ETAF5	F 00K 104 220
ETAF1	F 00K 001 373

note

to connect the ECU with the ETAF5 an ETAF1 is needed

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