

ETA F10.0

Debug Adapter from a Freescale Debugger to ETK

Data Sheet



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Contents

- 1 Introduction..... 5
- 2 Technical Data 6
 - 2.1 Pin Assignment..... 6
 - 2.1.1 Component Placement 6
 - 2.1.2 CON1 - to ETK Debugger Connector 6
 - 2.1.3 CON2 - to Debugger 6
 - 2.1.4 CON3 - to ECU 7
- 3 Technical Data 9
 - 3.1 Mechanical Dimensions..... 9
 - 3.2 Temperature Range 9
- 4 Ordering Information 10
- 5 ETAS Contact Addresses..... 11

Figures

Figure 1: Top View5

Figure 2: Bottom View5

Figure 3: Component Placement6

Figure 4: Mechanical Dimensions9

Figure 5: ETAF10.0 Flatcable9

1 Introduction

adapts to an 38pin Mictor Nexus connector for debugger connection.
There are two specific applications.

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

View

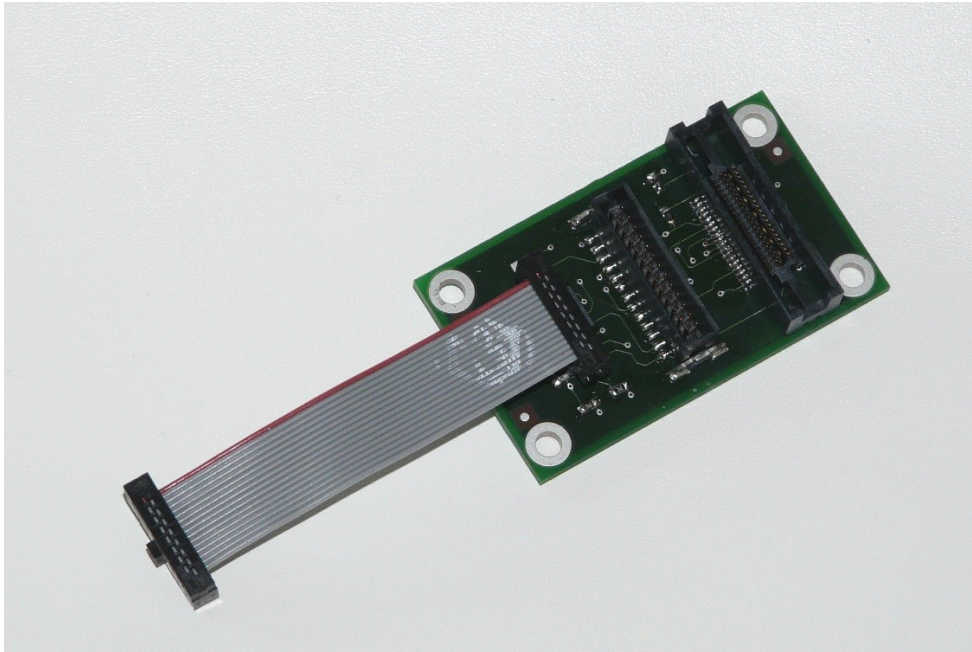


Figure 1: Top View

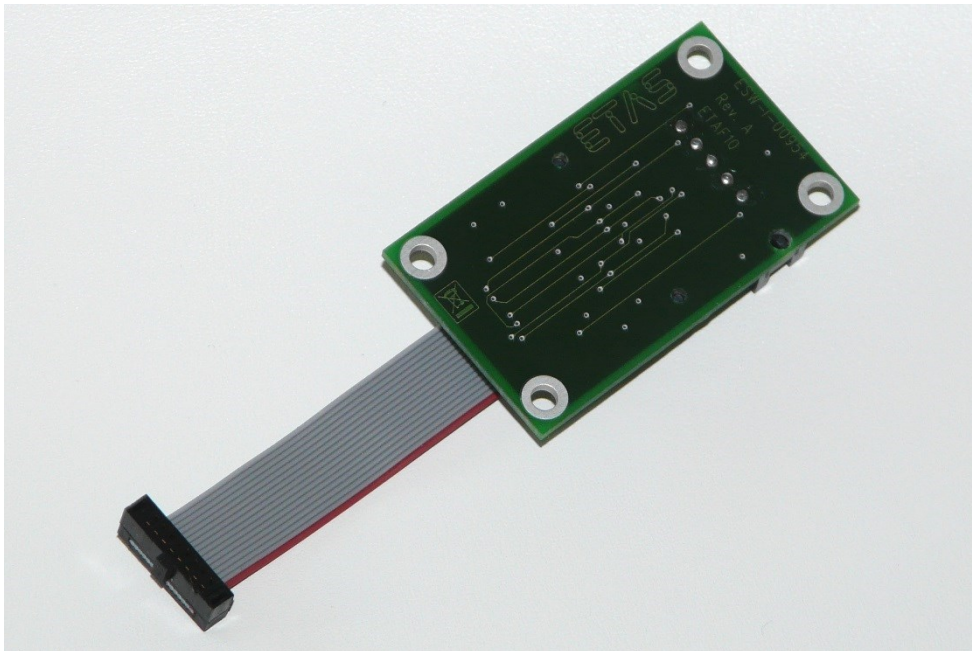


Figure 2: Bottom View

2 Technical Data

2.1 Pin Assignment

2.1.1 Component Placement

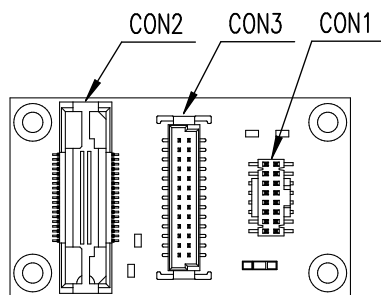


Figure 3: Component Placement

2.1.2 CON1 - to ETK Debugger Connector

Pin	Signal	Description
1	TMS	JTAG Signal
2	VDDP	Target supply for sensing
3	TDO	JTAG Signal
4	GND	GND Signal
5	/DETECT	Tool Detect Signal
6	GND	Signal Ground
7	TDI	JTAG Signal
8	/RESET	Reset Signal
9	JCOMP	Nexus Signal
10	MDO0	Nexus Signal
11	TCK	JTAG Signal
12	GND	Signal Ground
13	/EVTI	Nexus Signal
14	/BREQ	Debugger Arbitration Signal
15	/BGRANT -	Debugger Arbitration Signal -
16	/RDY	Nexus Signal

2.1.3 CON2 - to Debugger

Pin	Signal	Description
1		not connected
2		not connected
3		not connected
4		not connected

Pin	Signal	Description
5		not connected
6		not connected
7		not connected
8		not connected
9	/RESET	Reset Signal
10	/EVTI	NEXUS Signal
11	TDO	JTAG Signal
12	VDDP	Sense Pin
13		not connected
14	/RDY	Nexus Signal
15	TCK	JTAG Signal
16		not connected
17	TMS	JTAG Signal
18		not connected
19	TDI	JTAG Signal
20		not connected
21	JCOMP	Nexus Signal
22		not connected
23		not connected
24		not connected
25	/RESET	Reset Signal
26		not connected
27	/DETECT	Tool Detect Signal
28		not connected
29	/BGRANT	JTAG arbitration Signal
30	MDO0	Nexus Signal
31		not connected
32		not connected
33		not connected
34		not connected
35	/BREQ	JTAG arbitration Signal
36		not connected
37		not connected
38		not connected
Shield	GND	GND Signal

2.1.4 CON3 - to ECU

Pin	Signal	Description
A1	/RDY	Nexus Signal
A2	MDO0	Nexus Signal

Pin	Signal	Description
A3		not connected
A4	/EVTI	NEXUS Signal
A5	TDO	JTAG Signal
A6	TMS	JTAG Signal
A7	TCK	JTAG Signal
A8	TDI	JTAG Signal
A9		not connected
A10	JCOMP	Nexus Signal
A11	/DETECT	Watchdog Disable Signal
A12		not connected
A13	VDDP	Target supply for sensing
B1		not connected
B2		not connected
B3		not connected
B4	GND	GND Signal
B5	GND	GND Signal
B6	GND	GND Signal
B7	GND	GND Signal
B8	GND	GND Signal
B9	GND	GND Signal
B10	/RESET	Reset Signal
B11		not connected
B12		not connected
B13		not connected

3 Technical Data

3.1 Mechanical Dimensions

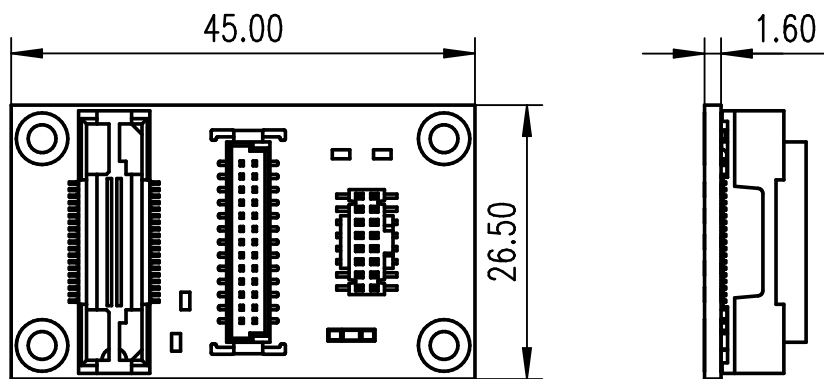


Figure 4: Mechanical Dimensions

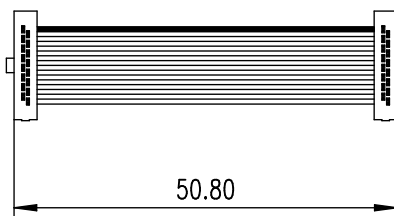


Figure 5: ETAF10.0 Flatcable

3.2 Temperature Range

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

4 Ordering Information

Short Name	Order - Number
ETAF10	F 00K 107 067
ETAF1	F 00K 001 373

Note

ETAF1 is needed to connect the ECU (26pin Erni) with the ETAF10.0.

5 ETAS Contact Addresses

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