

ETAFA11.0

Debug Adapter from Debugger to

ETK-S2x

Data Sheet

Copyright

The data in this document may not be altered or amended without special notification from ETAS GmbH. ETAS GmbH undertakes no further obligation in relation to this document. The software described in it can only be used if the customer is in possession of a general license agreement or single license. Using and copying is only allowed in concurrence with the specifications stipulated in the contract.

Under no circumstances may any part of this document be copied, reproduced, transmitted, stored in a retrieval system or translated into another language without the express written permission of ETAS GmbH.

© Copyright 2018 ETAS GmbH, Stuttgart

The names and designations used in this document are trademarks or brands belonging to the respective owners.

Document ETAF11.0 R02_EN – 08.2018

Contents

1	Introduction.....	5
1.1	View.....	5
2	Technical Data	6
2.1	Schematic.....	6
2.2	Pin Assignment	7
2.2.1	Component Placement	7
2.2.2	CO100 (to ETK) Pinout	7
2.2.3	CO101 (OCDS1 Connector to Debugger) Pinout.....	7
2.2.4	CO102 (to ECU) Pinout.....	8
2.2.5	CO103 (Unified Automotive Connector to Debugger) Pinout.....	8
2.3	Mechanical Dimensions.....	9
2.4	Temperature Range	10
3	Ordering Information	11
4	ETAS Contact Addresses.....	12

Figures

Figure 1: View5

Figure 2: Schematic.....6

Figure 3: Component Placement7

Figure 4: ETAF11.0 PCB9

Figure 5: ETAF11.0 Flatcable9

1 Introduction

adapts to OCDS1 or Unified Automotive Debug Cable for debugger connection. Bottom Side from the ETAF11 is isolated (no parts and vias).

There are two specific applications.

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

1.1 View

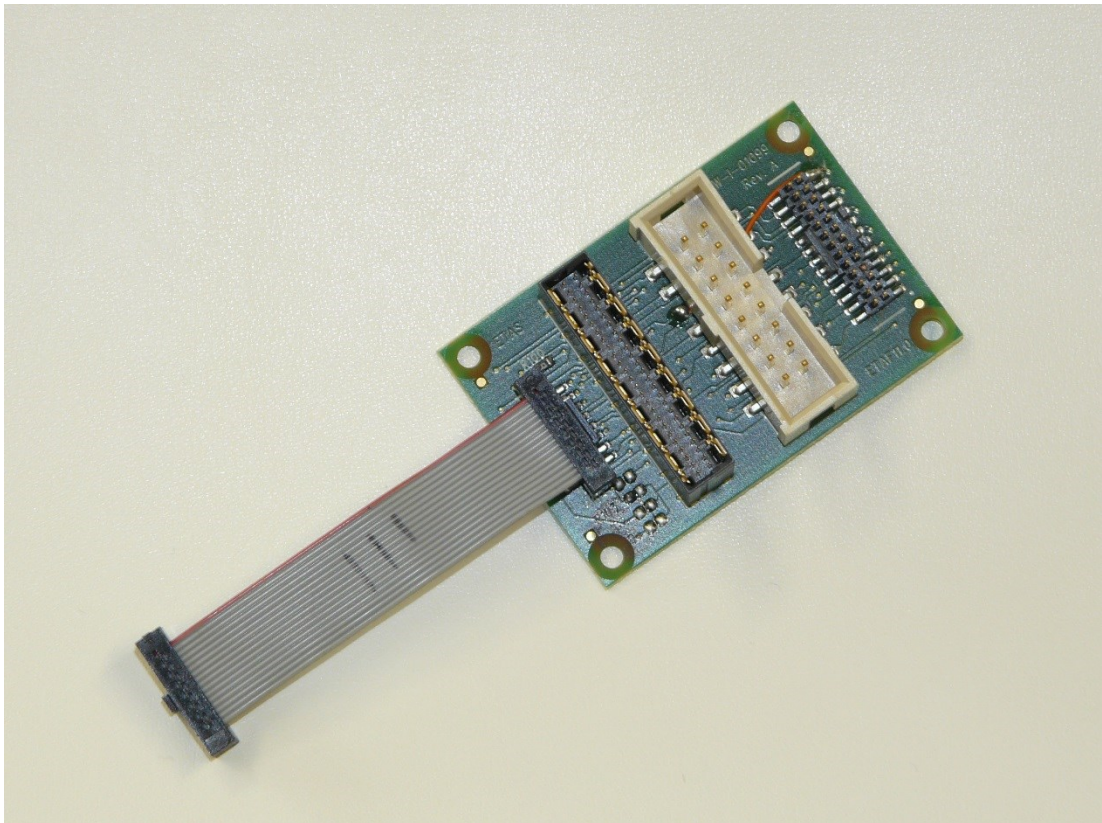


Figure 1: View

2 Technical Data

2.1 Schematic

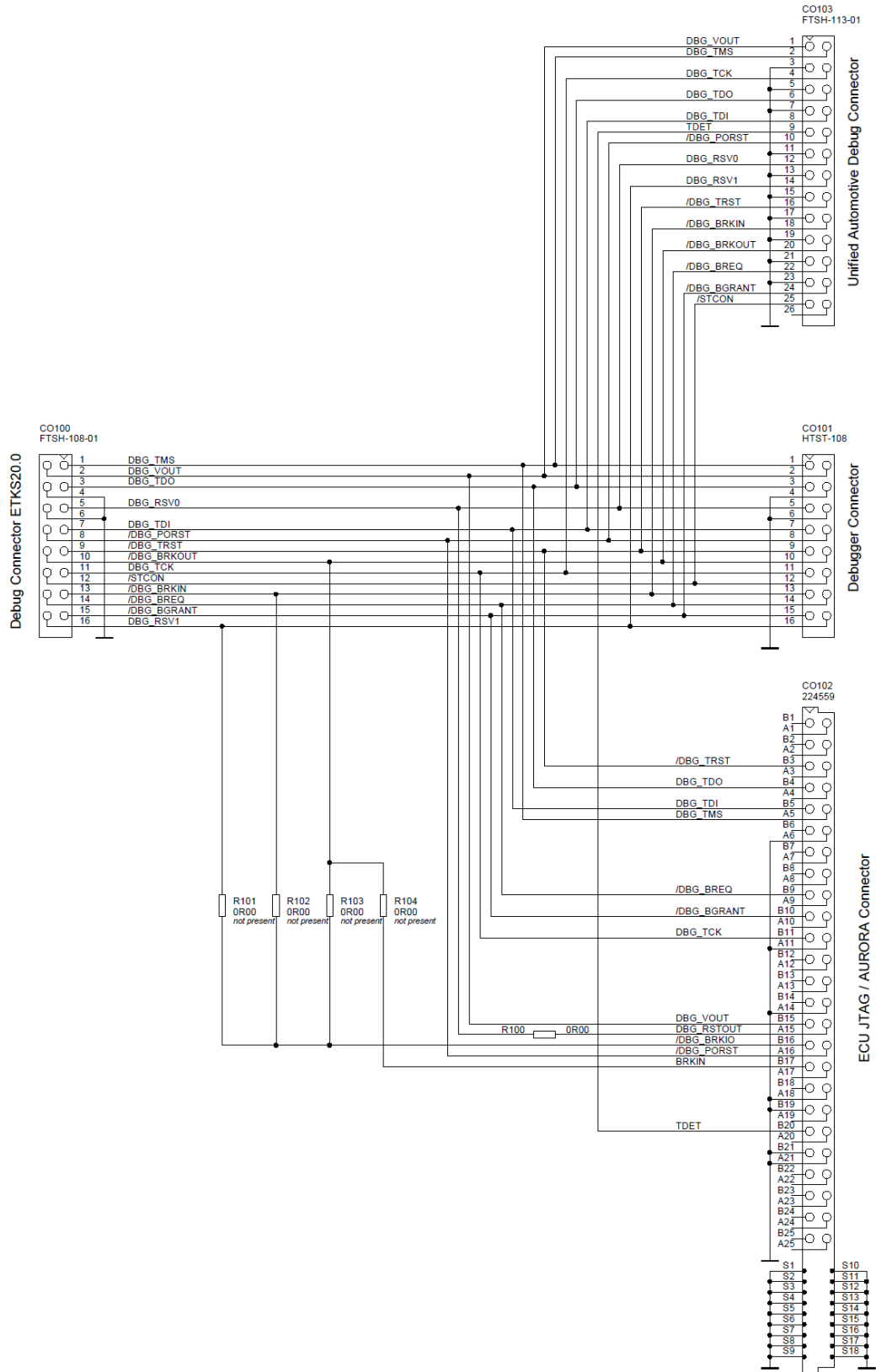


Figure 2: Schematic

2.2 Pin Assignment

2.2.1 Component Placement

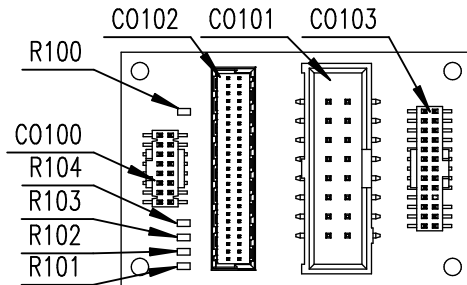


Figure 3: Component Placement

2.2.2 CO100 (to ETK) Pinout

Pin	DAP Signal	JTAG Signal
11	DAP0	TCK
1	DAP1	TMS
3	DAP2	TDO
9	DAPDIR	/TRST
8	/POR	/POR
5	/RESETOUT	/RESETOUT
12	/STCON	/STCON
13	RSV1	RSV1
10	RSV2	RSV2
16	WDGDIS	WDGDIS
7	Reserved	TDI
14	/BREQ	/BREQ
15	/BGRANT	/BGRANT
2	VREF	VREF
4;6	GND	GND

2.2.3 CO101 (OCDS1 Connector to Debugger) Pinout

Pin	DAP Signal	JTAG Signal
11	DAP0	TCK
1	DAP1	TMS
3	DAP2	TDO

Pin	DAP Signal	JTAG Signal
9	DAPDIR	/TRST
8	/POR	/POR
5	/RESETOUT	/RESETOUT
12	/STCON	/STCON
13	RSV1	RSV1
10	RSV2	RSV2
16	WDGDIS	WDGDIS
7	Reserved	TDI
14	/BREQ	/BREQ
15	/BGRANT	/BGRANT
2	VREF	VREF
4;6	GND	GND

2.2.4 CO102 (to ECU) Pinout

Pin	DAP Signal	JTAG Signal
B11	DAP0	TCK
A5	DAP1	TMS
B4	DAP2	TDO
B3	/TRST	/TRST
A16	/POR	/POR
A15	/RESETOUT	/RESETOUT
B16	RSV_R101 RSV_R102 RSV_R103	RSV_R101 RSV_R102 RSV_R103
B17	RSV_R104	RSV_R104
B20	TDET	TDET
B15	VREF	VREF
A6; A11; A14; A18; A21; B19; B21	GND	GND

2.2.5 CO103 (Unified Automotive Connector to Debugger) Pinout

Pin	DAP Signal	JTAG Signal
4	DAP0	TCK
2	DAP1	TMS

Pin	DAP Signal	JTAG Signal
6	DAP2	TDO
16	DAPDIR	/TRST
10	/POR	/POR
12	/RESETOUT	/RESETOUT
18	RSV1	RSV1
20	RSV2	RSV2
14	WDGDIS	WDGDIS
8	Reserved TDI	TDI
22	/BREQ	/BREQ
24	/BGRANT	/BGRANT
1	VREF	VREF
7	KEY (Pin nonexistent)	KEY (Pin nonexistent)
25	/STCON	/STCON
9	TDET	TDET
25	/STCON	/STCON
3; 5; 7; 11; 13; 15; 17; 19; 21; 23	GND	GND

2.3 Mechanical Dimensions

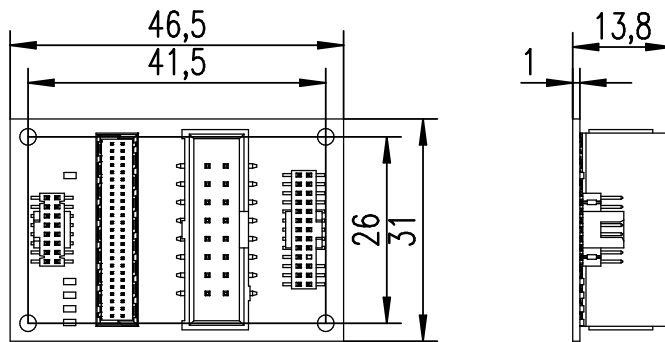


Figure 4: ETAF11.0 PCB

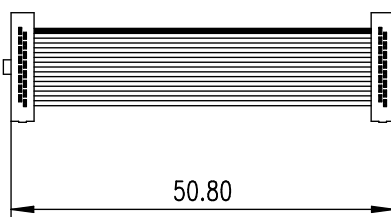


Figure 5: ETAF11.0 Flatcable

2.4 Temperature Range

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

3 **Ordering Information**

Short Name	Order - Number
ETAF11.0	F 00K 107 682
ETAL1	F 00K 107 679

Note:

An ETAL1 is needed to connect the ECU (10pin SAMTEC) with the ETAF11.0.

4 ETAS Contact Addresses

ETAS HQ

ETAS GmbH

Borsigstraße 24

70469 Stuttgart

Germany

Phone: +49 711 3423 0

Fax: +49 711 3423 2106

WWW: www.etas.com*ETAS Subsidiaries and Technical Support*

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

ETAS subsidiaries

WWW: www.etas.com/en/contact.php

ETAS technical support

WWW: www.etas.com/en/hotlines.php