

A33020 and A33023 Evaluation Kit User Guide

DESCRIPTION

The ASEK-33020-SUBKIT-T allows the A33020 or A33023 angle sensor to connect to the Allegro ASEK-20 evaluation programmer.

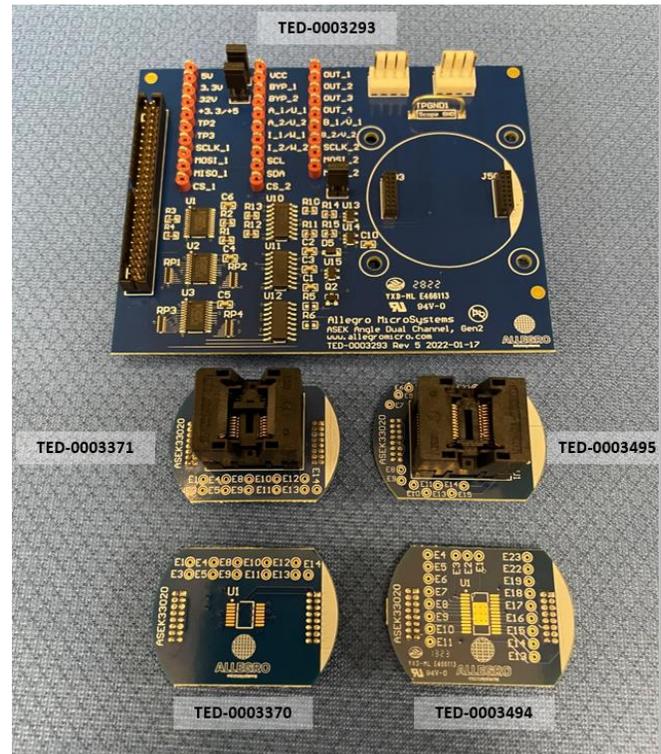
FEATURES

The SUBKIT features a main daughter board as well as socketed and surface mount granddaughter boards for both single and dual die devices. A33020/3 angle sensors are not included in the SUBKIT.

EVALUATION BOARD CONTENTS

The Evaluation Kit Contents are:

- ASEK Angle Dual Channel Daughter Board
 - TED-0003293
- A33020 Socketed Single Die Granddaughter Board
 - TED-0003371
- A33020 Socketed Dual Die Granddaughter Board
 - TED-0003495
- A33020 SMT Single Die Granddaughter Board
 - TED-0003370
- A33020 SMT Dual Die Granddaughter Board
 - TED-0003494



Connecting to the ASEK-20

1. Connect the ASEK-20 to a personal computer.
 - a. ASEK-20 can be ordered separately as the “ASEK-20-T-KIT”
2. Connect the DC power cable to the 5V port on the ASEK-20, plug the DC power supply to a 110V/220AC 60/50Hz outlet with the proper adapter.
3. Connect the ribbon cable to the ASEK-20 programmer and the J1 connector of the daughterboard (TED-0003292).
4. Mount a granddaughter board onto the daughter board.
5. Place an A33020 device into the daughter board (if using a socket)
6. Switch the ASEK-20 Off-On switch to “on” position.

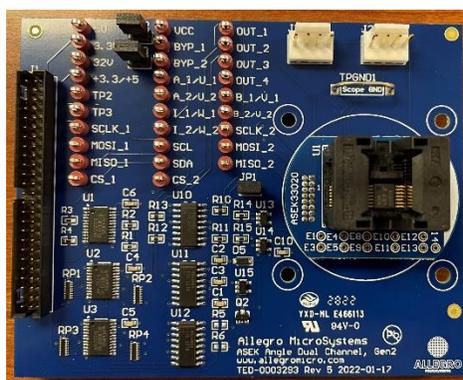


Figure 1: A33020 Single Die Mounted on Daughter Board

Additional Instructions

A33020 of A33023 Software

Software may be found on the Allegro Software portal, once registered. Please visit:

<https://registration.allegromicro.com/login>

ASEK-20 USB Driver

If the appropriate COM port driver is not installed automatically, latest versions may be found on the FTDI website below

<http://www.ftdichip.com/Drivers/VCP.htm>

Sample Devices

Samples are not included with the ASEK-33020-SUBKIT-T. Please contact your local FAE or Sales Representative for samples.

Revision History

Number	Date	Description
1.0	12/18/2023	Initial release

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