



Eval Kit Manual

AS5170

Socket Board

AS5170-SO_EK_SB

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Revision History

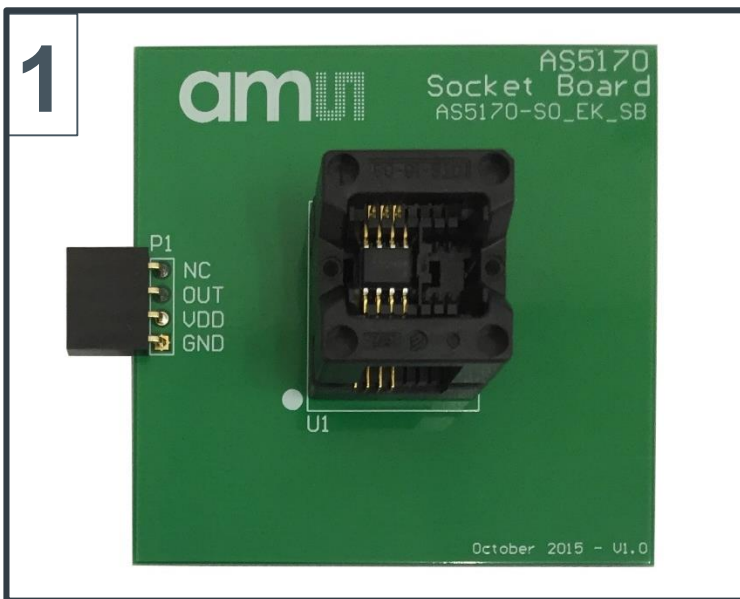
| Revision | Date | Owner | Description |
|----------|------------|-------|-----------------|
| 1.0 | 26.04.2016 | mzie | Initial version |

1 Introduction

The AS5170-SO_EK_SB socket board is used for quick programming of the AS5170A and AS5170B magnetic rotary position sensors without soldering due to its ZIF socket.

This board can be used in combination with the AS5xxx-EK-USB-PB UART Programming Board and the provided LabVIEW evaluation software.

Figure 1: Kit content



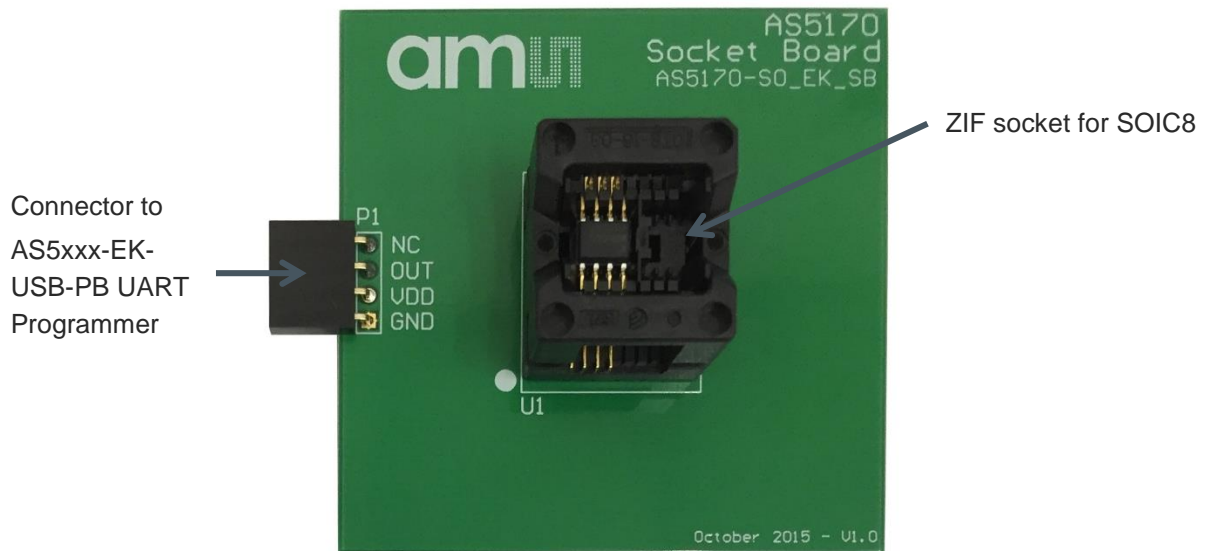
| Pos. | Item | Comment |
|------|-----------------|--------------|
| 1 | AS5170-SO_EK_SB | Socket board |

2 Board description

The PCB offers direct connecting option to the AS5xxx-EK-USB-PB UART Programmmer with the 4-pin single-row connector on the left side. A ZIF Open-Top-Socket for SOIC8 packages is mounted in the middle. Pin 1 of the IC is indicated by a small white dot on the PCB.

All passive components needed for proper operation are included on bottom side the PCB.

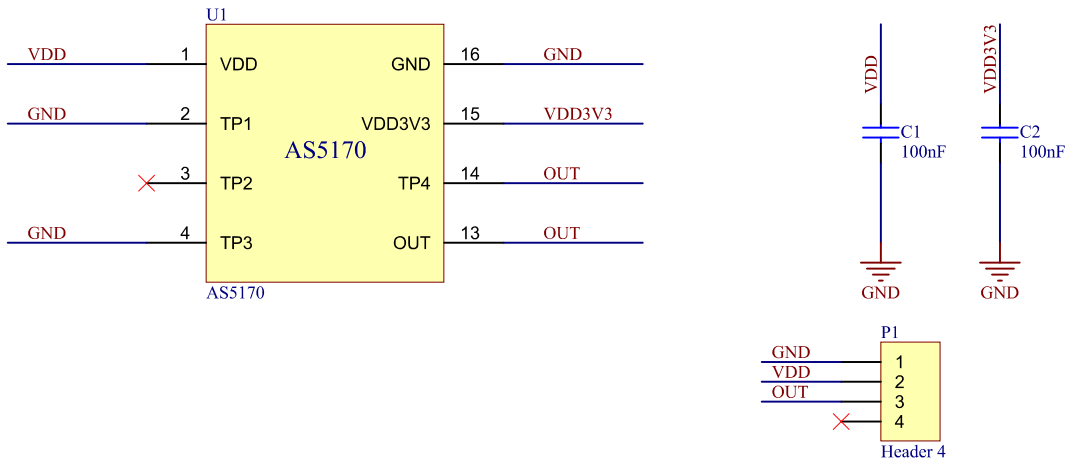
Figure 2: AS5170 socket board



3 AS5170-SO_EK_SB Hardware

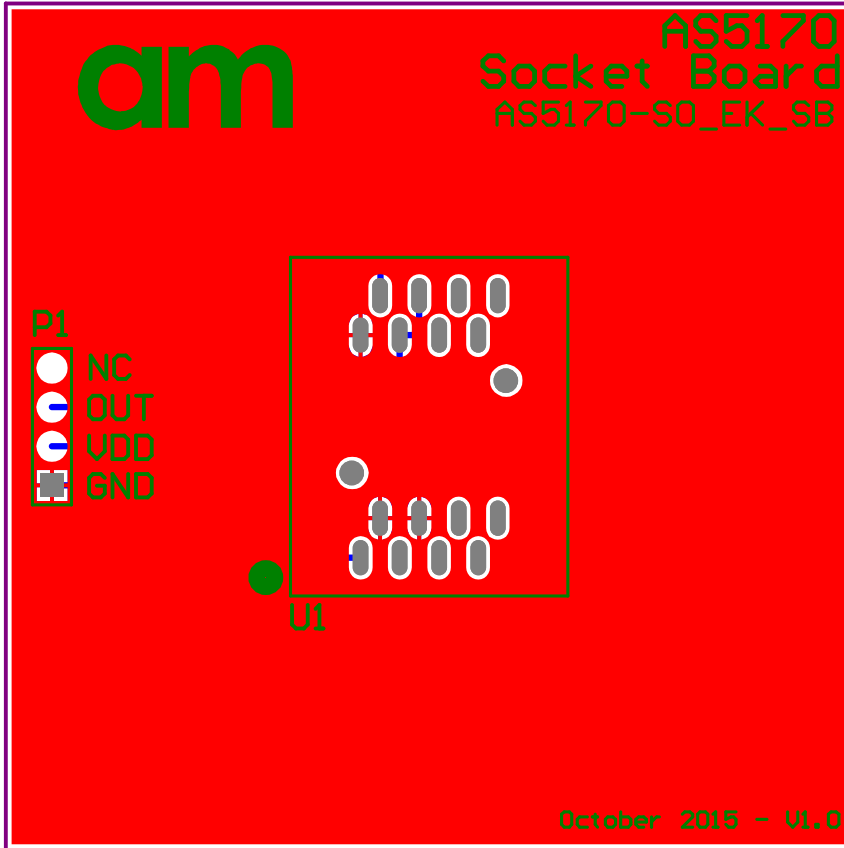
3.1 AS5170-SO_EK_SB schematics

Figure 3: AS5170-SO_EK_SB schematics



3.2 AS5170-SO_EK_SB PCB layout

Figure 4: AS5170-SO_EK_SB PCB layout



4 Ordering & Contact Information

| Ordering Code | Description |
|-----------------|------------------------------|
| AS5170-SO_EK_SB | AS5170 Eval Kit Socket Board |

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