



# THE DATASHEET OF STEVAL-IHM007V1





# STEVAL-IHM007V1

## Universal motor control starter kit (phase angle partialization)

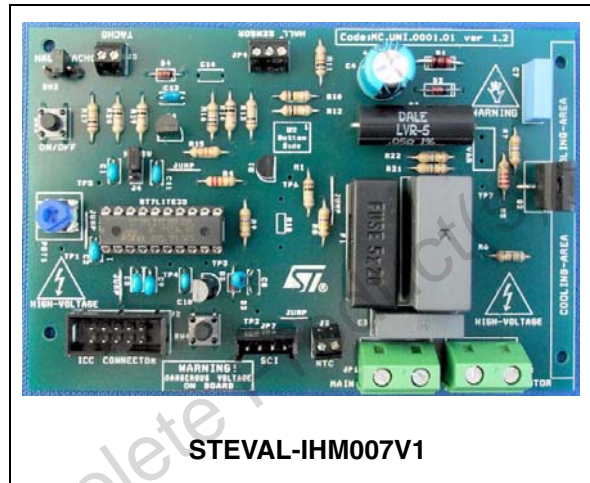
Data Brief

### Features

- Capacitive power supply
- Two speed sensor nets
- Current sensing circuit
- Zero crossing network

### Description

The STEVAL-IHM007V1 evaluation board is a complete reference system for a universal motor drive. The hardware and software of the kit are ideal for the development of universal motor drives or, more generally, phase-angle control. The kit includes a PC GUI (graphical user interface) which allows the user to choose between an open or closed loop control type (PI controller). The control parameters are easily modified. The complete system consists of two boards (the main board and the PC interface board) and the PC GUI software, which also provides current, firing angle, and speed information from the board



# 1 Block diagram

Figure 1. Schematic 1/2

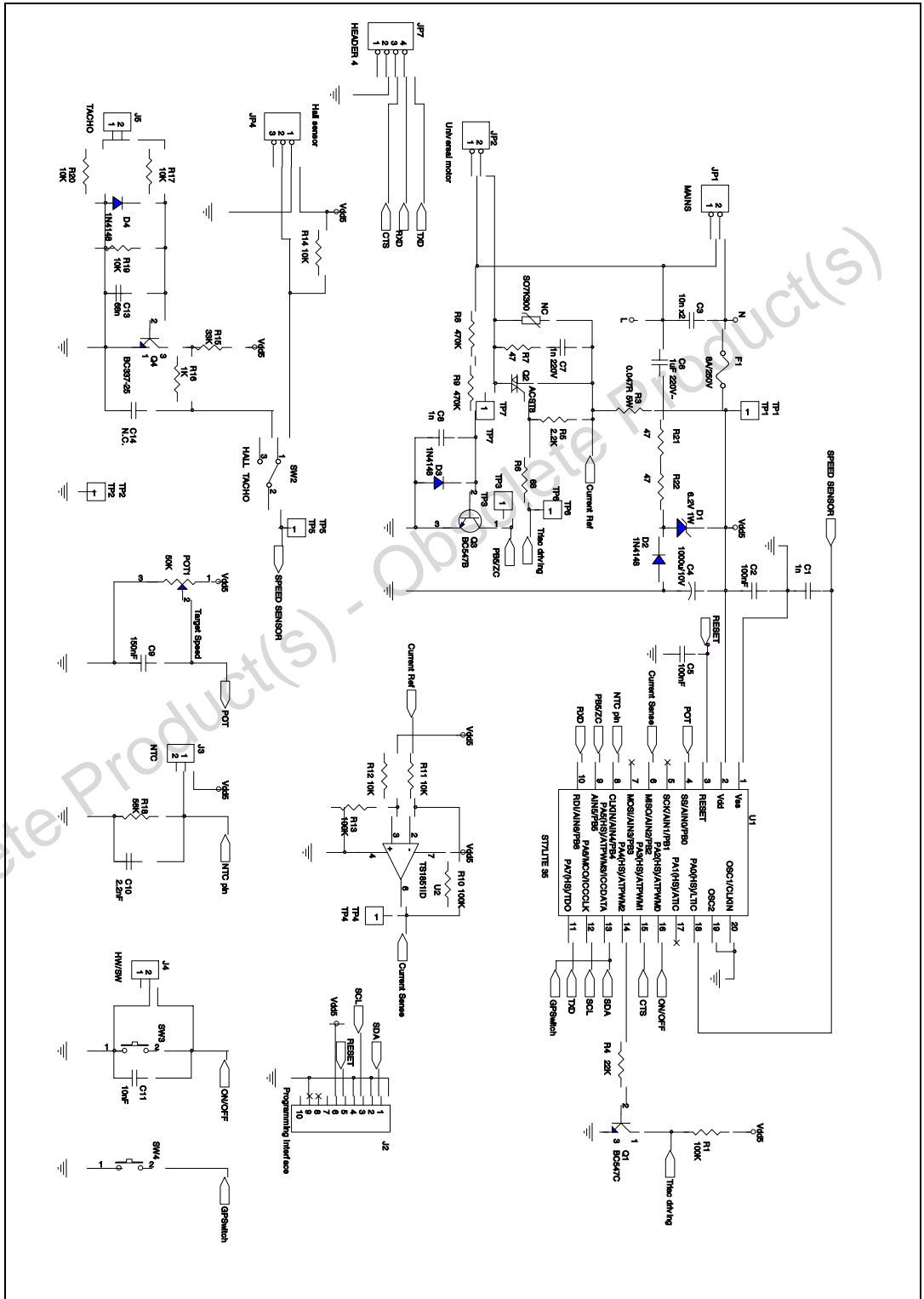
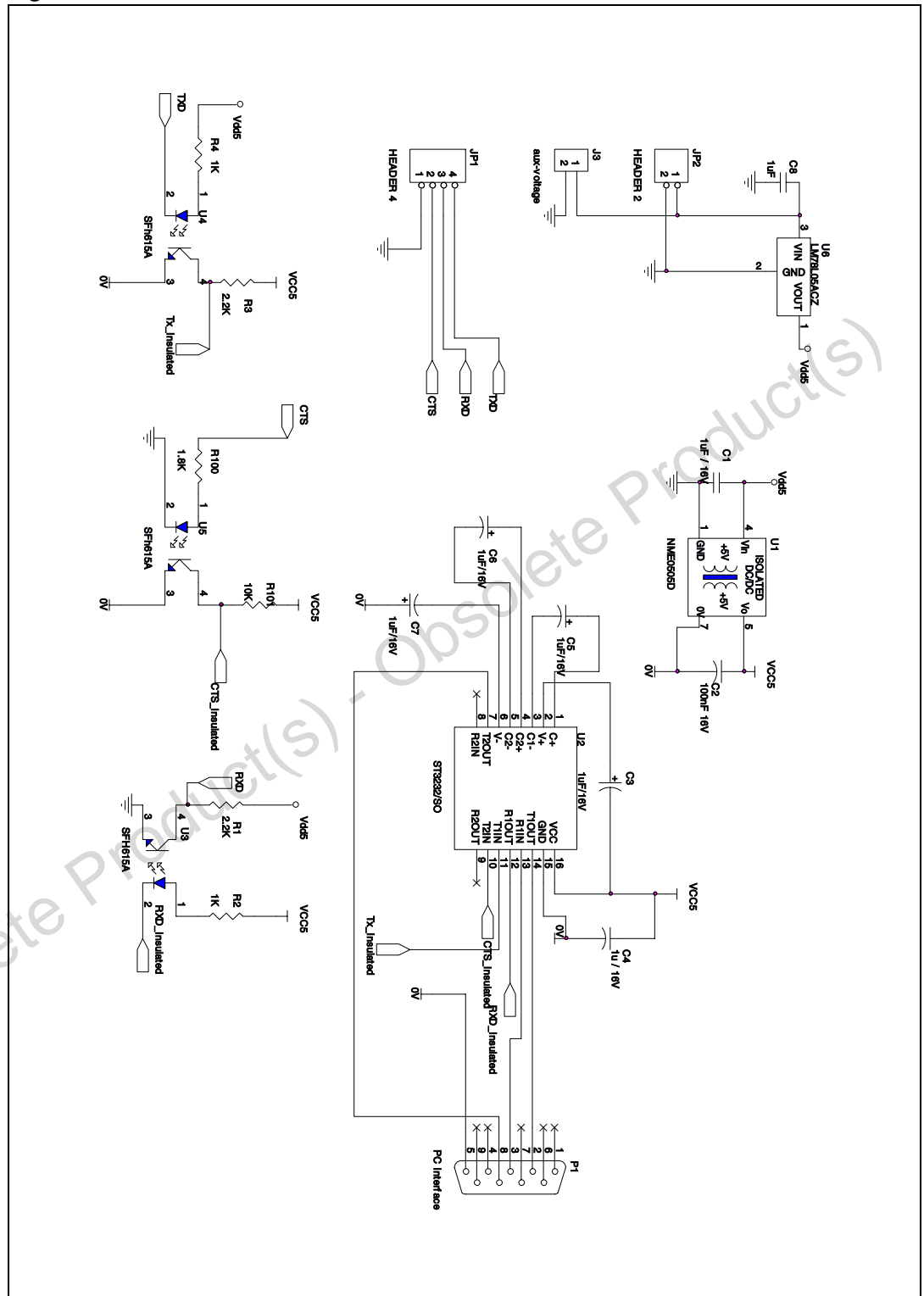


Figure 2. Schematic 2/2



## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
24-Oct-2007	1	Initial release

Obsolete Product(s) - Obsolete Product(s)

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