

# Connecting drives from other manufacturers to USB-MC motion controller and USB-UIO1 breakout board

Control system that consists of USB-MC motion controller combined with breakout board USB-UIO1 is designed to enable connecting up to 4 microstep drives MST-107 and/or DC servo drives DCS-3010 and/or DC servo drives with analog output DCS-100-A.

In some cases there is a need for above system to be used to control drives from other manufacturers. On figure 1 it is shown recommended connection diagram of 4 drives from other manufacturers to USB-MC motion controller fitted with breakout board USB-UIO1. STEP/DIR/ENABLE outputs on USB-UIO1 board share the common ground (marked with GND). These outputs from USB-UIO1 breakout board are of TTL type. Drives from other manufacturers, regardless if they are intended for stepper, DC servo or AC servo motors, mostly have the same or very similar input interface.

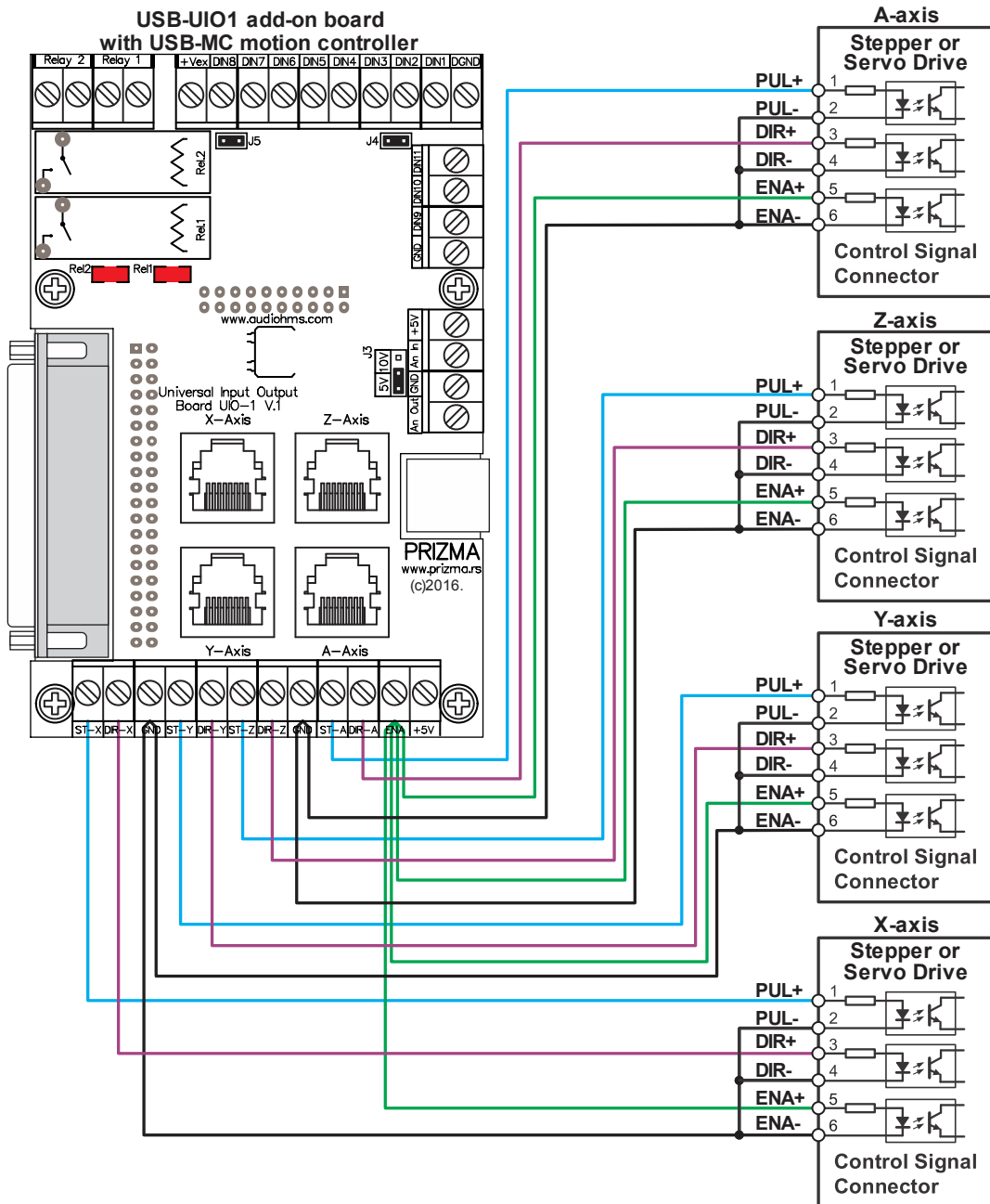


Figure 1

## DOCUMENT REVISION

- Ver. 1.0, March 2017.

