

4.3 Excerpts

4.3.1 Power supply

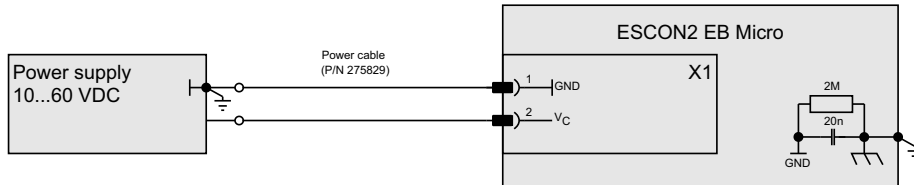


Figure 4-44 Power supply

4.3.2 Logic supply

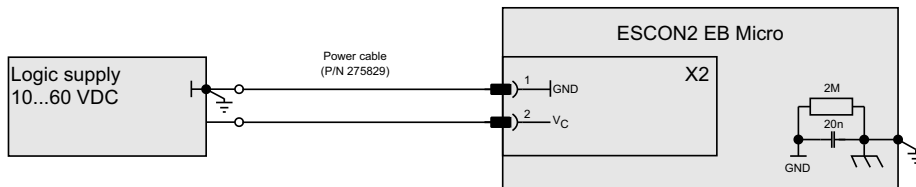


Figure 4-45 Logic supply

4.3.3 DC motor

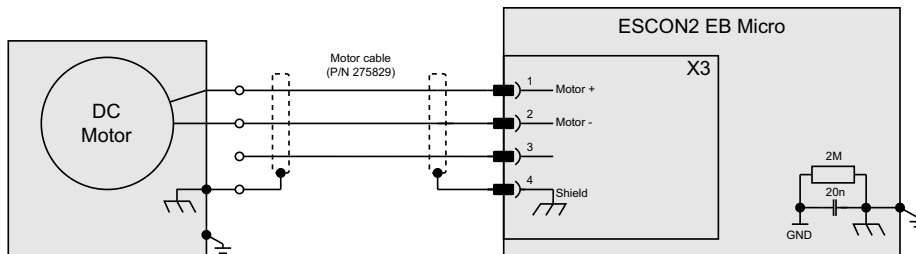


Figure 4-46 DC motor

4.3.4 EC (BLDC) motor

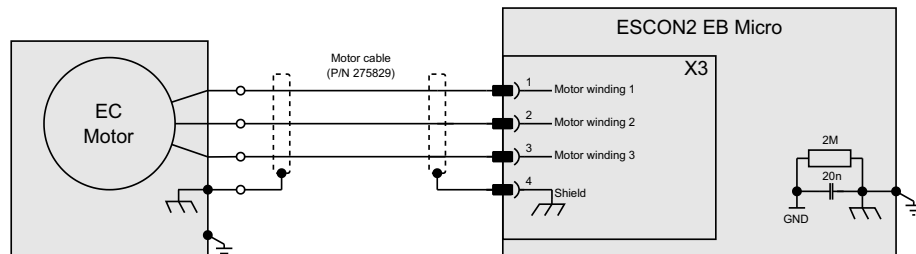


Figure 4-47 EC (BLDC) motor

4.3.5 Sensor 1 Hall sensor

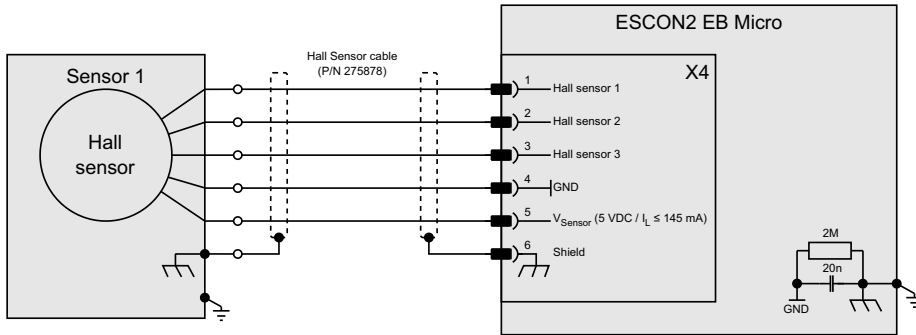


Figure 4-48 Sensor 1 Hall sensor

4.3.6 Sensor 2 Encoder / I/Os

4.3.6.1 Digital incremental encoder

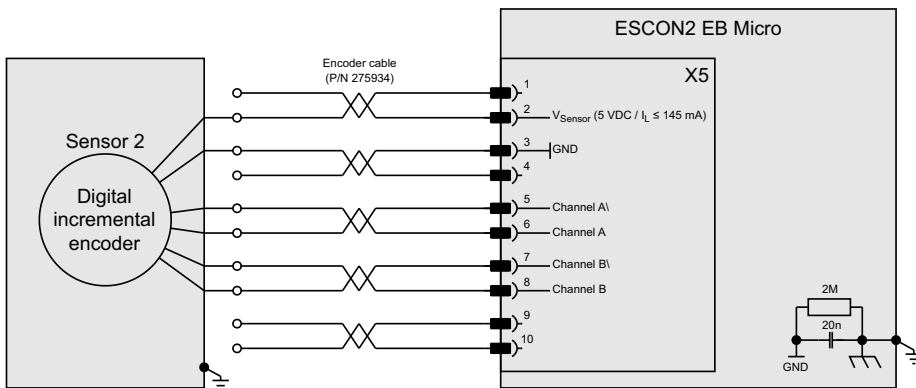


Figure 4-49 Digital incremental encoder

This interface can handle a digital incremental encoder, an SSI / BiSS C digital unidirectional absolute encoder or high-speed digital I/O's. Only one out of these three functions can be used at the same time.

4.3.6.2 SSI / BiSS C unidirectional absolute encoder

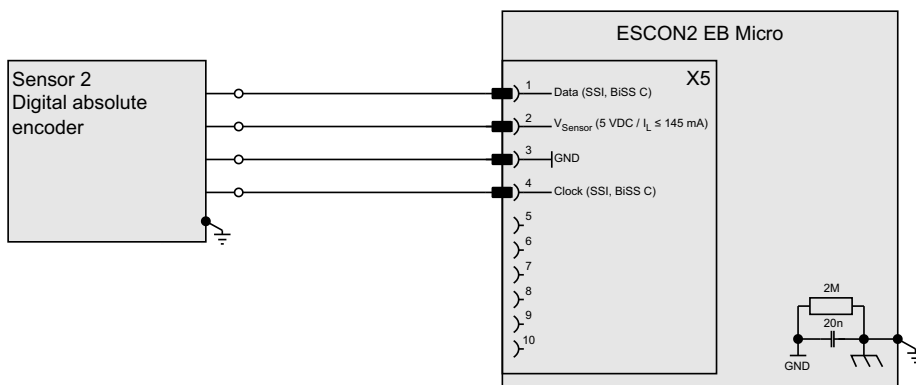


Figure 4-50 SSI / BiSS C unidirectional absolute encoder

This interface can handle a digital incremental encoder, an SSI / BiSS C digital unidirectional absolute encoder or high-speed digital I/O's. Only one out of these three functions can be used at the same time.

4.3.6.3 High-speed digital I/Os

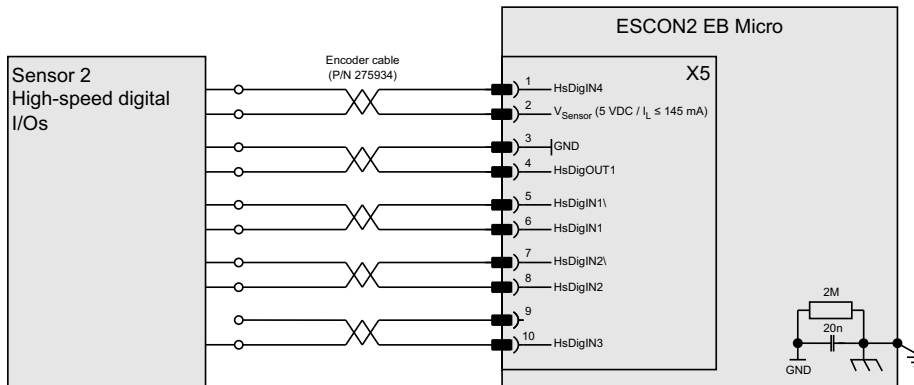


Figure 4-51 High-speed digital I/Os

This interface can handle a digital incremental encoder, an SSI / BiSS C digital unidirectional absolute encoder or high-speed digital I/O's. Only one out of these three functions can be used at the same time.

4.3.7 Digital I/Os

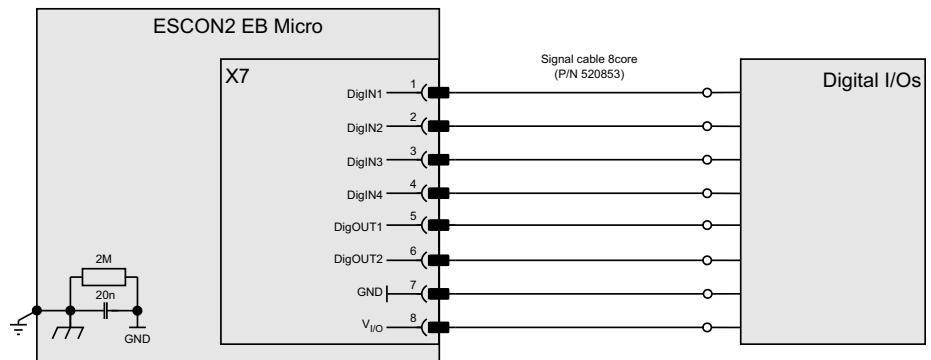


Figure 4-52 Digital I/Os

4.3.8 Analog I/Os

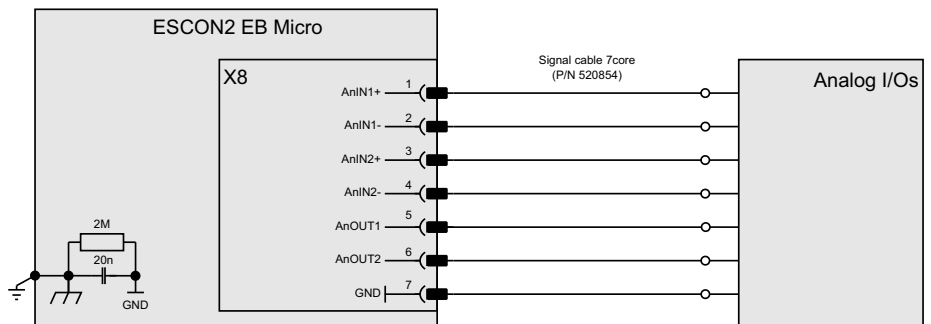


Figure 4-53 Analog I/Os

4.3.9 RS232

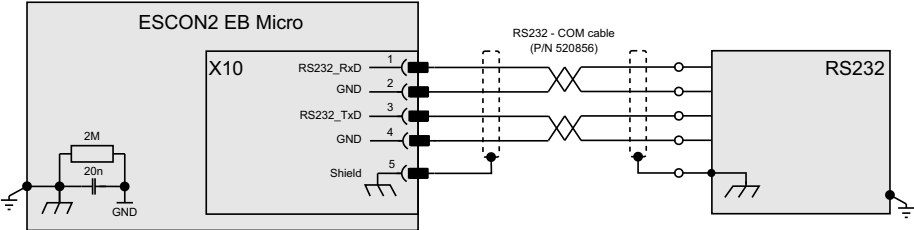


Figure 4-54 RS232

4.3.10 CAN

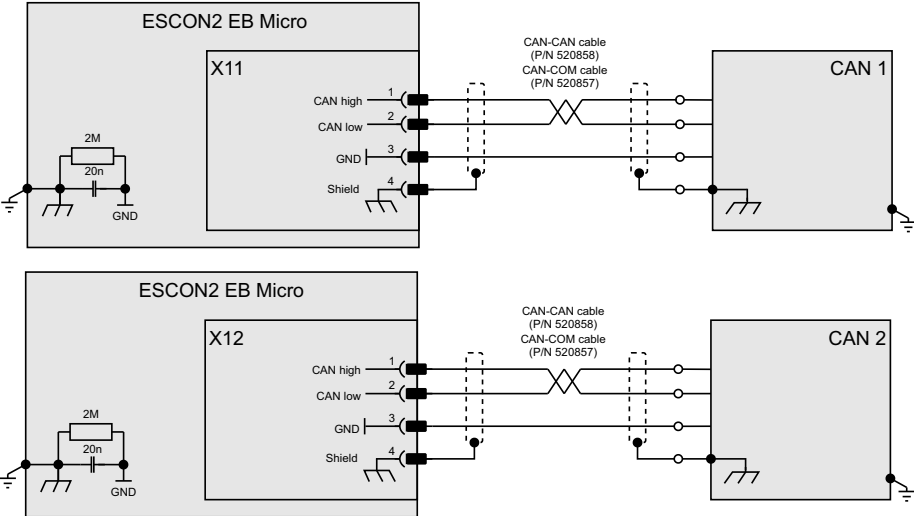


Figure 4-55 CAN

Depending on the preferred interface, one of the two prefab CAN cables can be used.

4.3.11 USB

4.3.11.1 USB-C

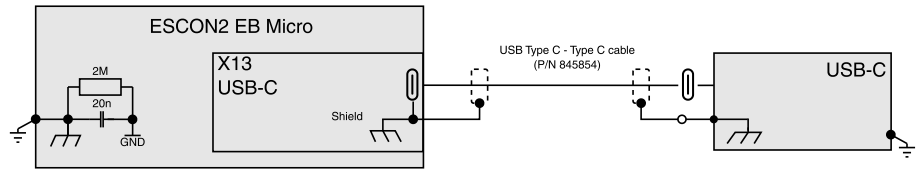


Figure 4-56 USB-C

4.3.11.2 USB-A

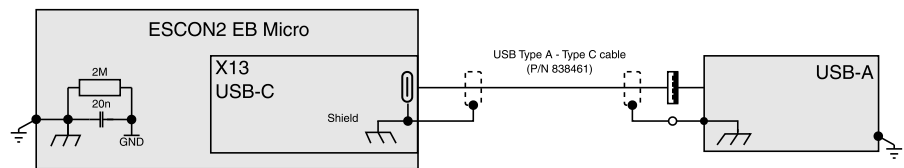


Figure 4-57 USB-A

4.3.12 Motor temperature sensor (future release)

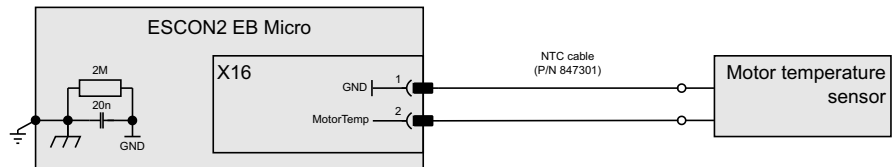


Figure 4-58 Motor temperature sensor

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