

6.2. Isolated RS485 Design Example

Isolated Area Block A: Block B: Block D: Block E: Block F: Block G: Protection & Digital Isolation Modbus Block C: IS4310 I2C-Serial Your Power Isolation Connector Line Polarization Transceiver Modbus RTU Slave Interface Application C7 100nF \$ 00 100h -||100nF ISO7731 R9 10k IS4310 16 Vcc2 GND1 2 3 SCL DE 3 INA Modbus RTU Slave 6 DIR A RS485 Transceiver OUTB INB IS4310 OUTC GND 9 GND2 d d d d 10kp RE EN1 RO GND1 ΟV +3.3V ΟV +5Viso SCH00016A