



CABLE CONNECTION - LOGIC TABLE

RS485 OUT	RS485 IN	TERMINATE	MASTER
EMPTY	EMPTY	DISABLED	LOW
CONNECTED	CONNECTED	DISABLED	LOW
CONNECTED	EMPTY	ENABLED	HIGH
EMPTY	CONNECTED	ENABLED	LOW

BILL OF MATERIALS (CRITICAL COMPONENTS)

POSITION	ITEM CODE	DESCRIPTION
IC1	MAX3535ECWI	MAXIM - RS485 TRANSCEIVER IC 5V - GALVANIC ISOLATED
TR1	TGM-340NA	ISOLATION TRANSFORMER 3KVRMS 1:1.3CT
IC2	MAX4514CUK	MAXIM CMOS ANALOG SWITCH SPST SOT23-5
IC3	SN74AHC1G86DBV	TI - SINGLE 2-INPUT XOR GATE SOT23-5
OK1	K817P	OPTO COUPLER - SINGLE - LOGIC IN & OUT
Q1, Q2	ZVN2106A	ZATEK - MOSFET N CHANNEL LOGIC LEVEL GATE 60V 400ma
D1	BAT54C	FAIRCHILD - SCHOTTKY DIODE DUAL SOT-23
IC4	SN74AHC1G00DBV	TI - 2 INPUT SINGLE NAND GATE SOT-23-5

AUTO TERMINATION - GALVANIC ISOLATED - MASTER/SLAVE DETECT 5V

THIS SCHEMATIC IS NOT TESTED!!!

TITLE: RS485-INTERFACE BOARD REV-J

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