

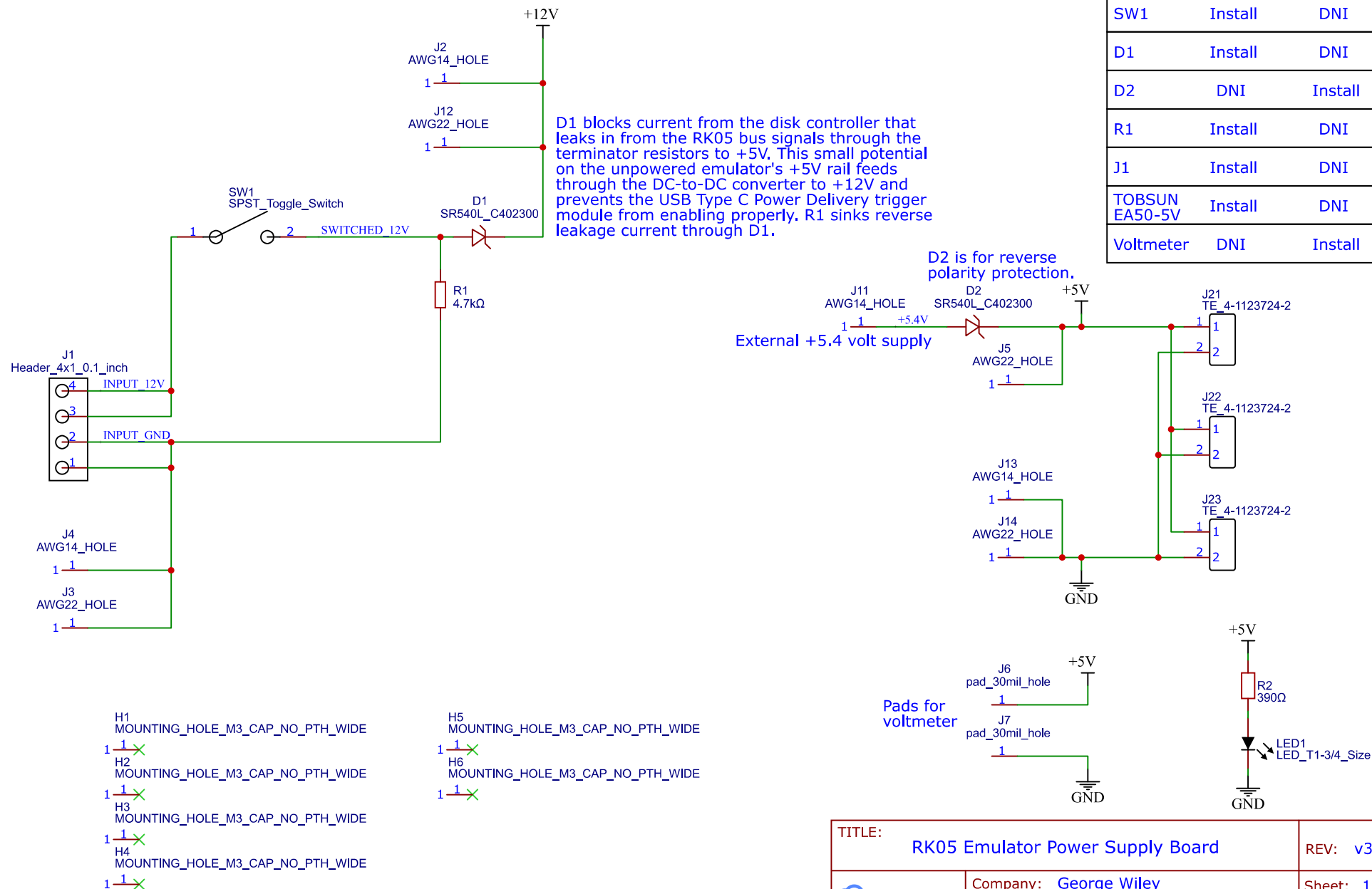
D1 blocks current from the disk controller that leaks in from the RK05 bus signals through the terminator resistors to +5V. This small potential on the unpowered emulator's +5V rail feeds through the DC-to-DC converter to +12V and prevents the USB Type C Power Delivery trigger module from enabling properly. R1 sinks reverse leakage current through D1.

D2 is for reverse polarity protection.

External +5.4 volt supply

Pads for voltmeter

	A7 Option with converters	A8 Option without converters
SW1	Install	DNI
D1	Install	DNI
D2	DNI	Install
R1	Install	DNI
J1	Install	DNI
TOBSUN EA50-5V	Install	DNI
Voltmeter	DNI	Install



TITLE: RK05 Emulator Power Supply Board		REV: v3
EasyEDA	Company: George Wiley	Sheet: 1/1
	Date: 24-May-2024	Drawn By: gwiley