

DATE	VERSIONS	DESCRIPTION
2024/08/23	V1.0	1.Initial.
2024/09/27	V1.1	1.Add TVS protection circuit; 2.Change the 5V power supply circuit; 3.Add two rows of 1*7 pins for the XIAO; 4.Remove the supercapacitor circuit; 5.Change R2 from 33R to 75R. 6.Add output chammel to 5V.
2026/09/17	V1.2	1.Add the TX and RX transmission/reception indicator LEDs for RS485; 2.Add the function of switching between RS485 hardware and software circuits; 3.Add 5V and 12V power indicator LEDs.

01 Block Diagram



文件: 01 Block Diagram.kicad_sch

02 RS485 Breakout Board for XIAO

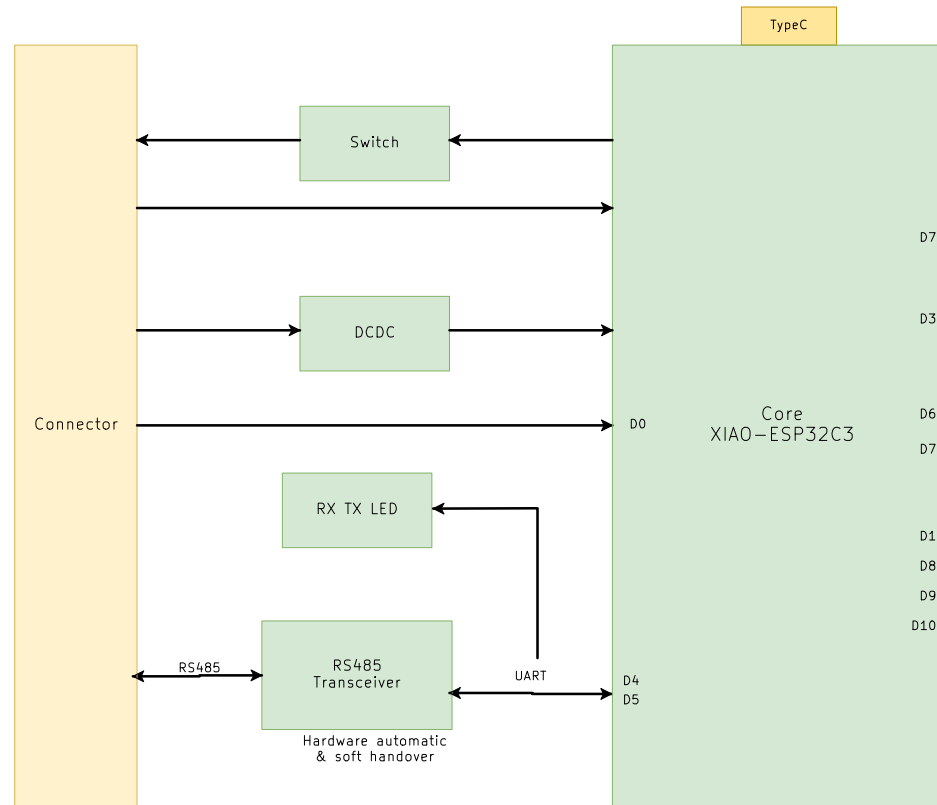


文件: 02 RS485 Breakout Board for XIAO.kicad_sch



Sheet: /		
File: RS485 Breakout Board for XIAO_V1.2.kicad_sch		
Title: RS485 Breakout Board for XIAO_V1.2		
Size: A4	Date: 2026-09-17	Rev: V1.2
KiCad E.D.A. 10.0.1		Id: 1/3

RS485 Breakout Board for XIAO



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Sheet: /01 Block Diagram/

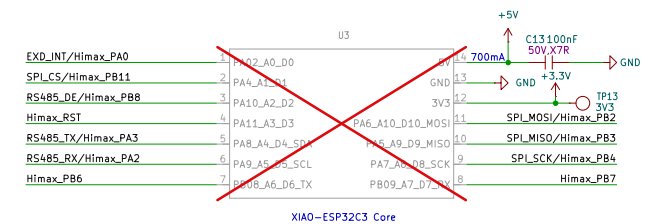
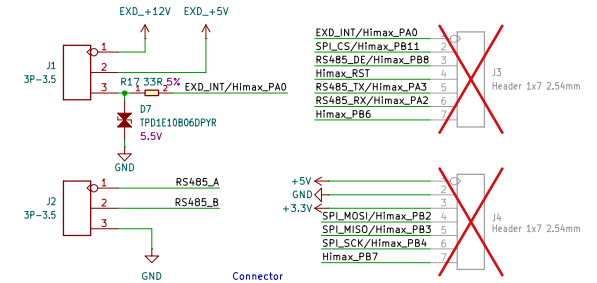
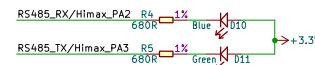
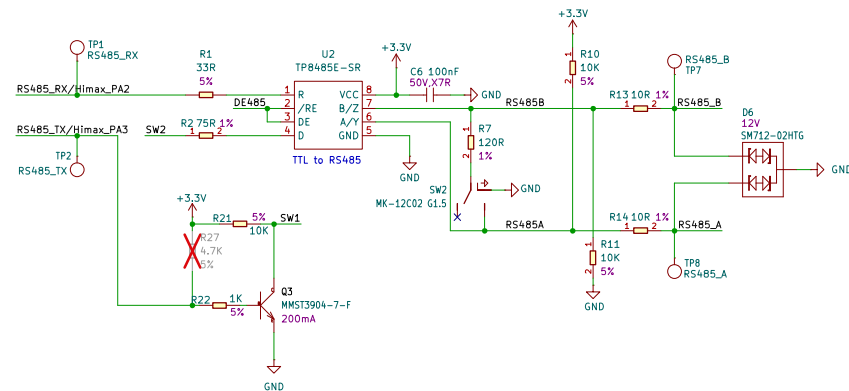
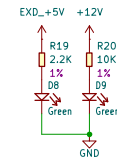
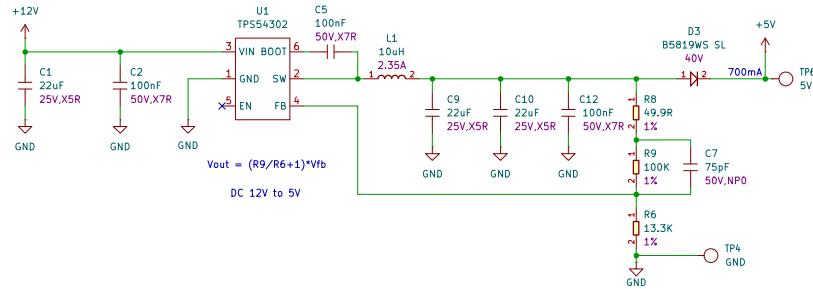
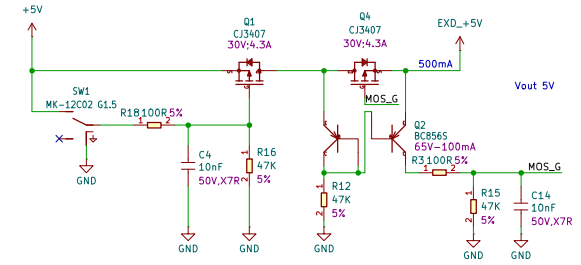
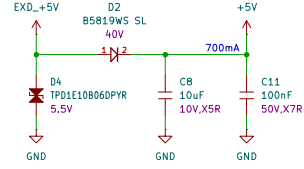
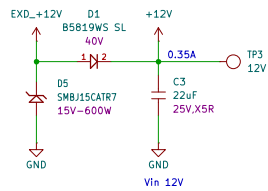
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Title: RS485 Breakout Board for XIAO_V1.2

Size: A3 Date: 2026-09-17

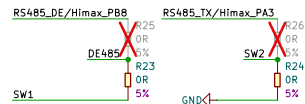
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Rev: V1.2
Id: 2/3



If using hardware automatic switching
only R23 and R24 need to be soldered.

If using software for switching,
only weld R25 and R26



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