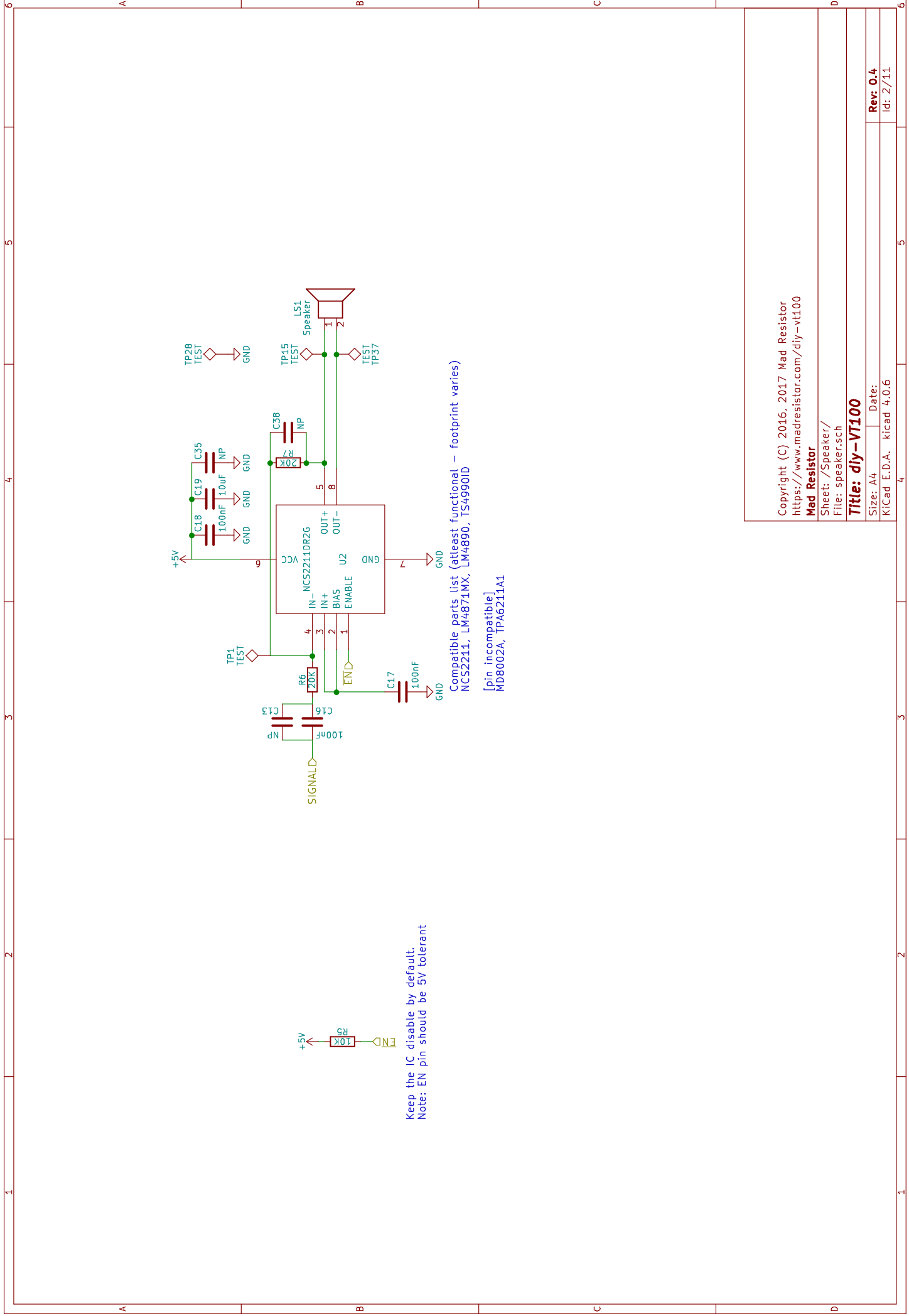


# diy-VT1000

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Keep the IC disable by default.  
 Note: EN pin should be 5V tolerant

Compatible parts list (atleast functional - footprint varies)  
 NCS2211, LM4871MX, LM4890, TS4990ID  
 [pin incompatible]  
 MD8002A, TPA6211A1

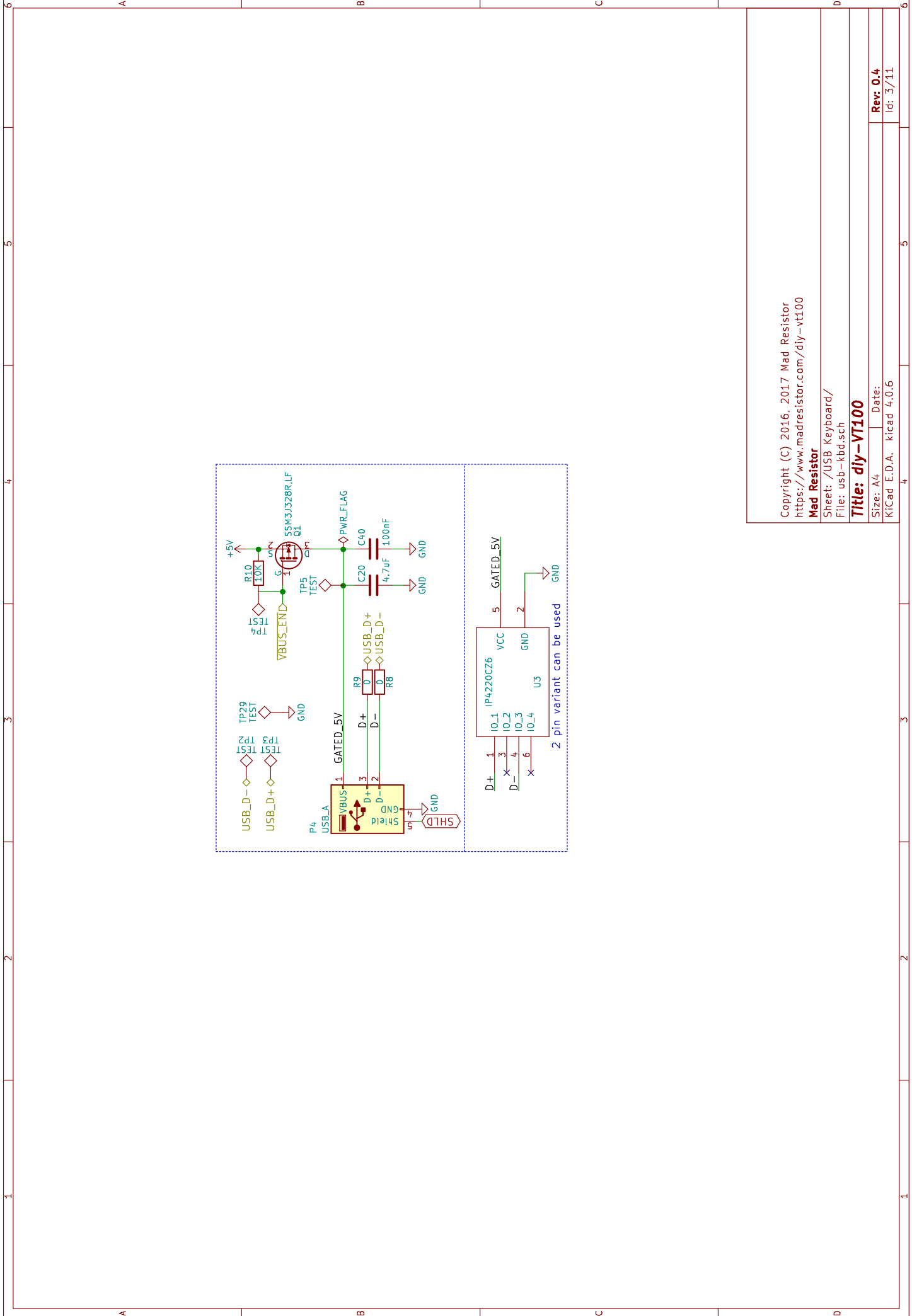
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**Mad Resistor**  
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 File: speaker.sch

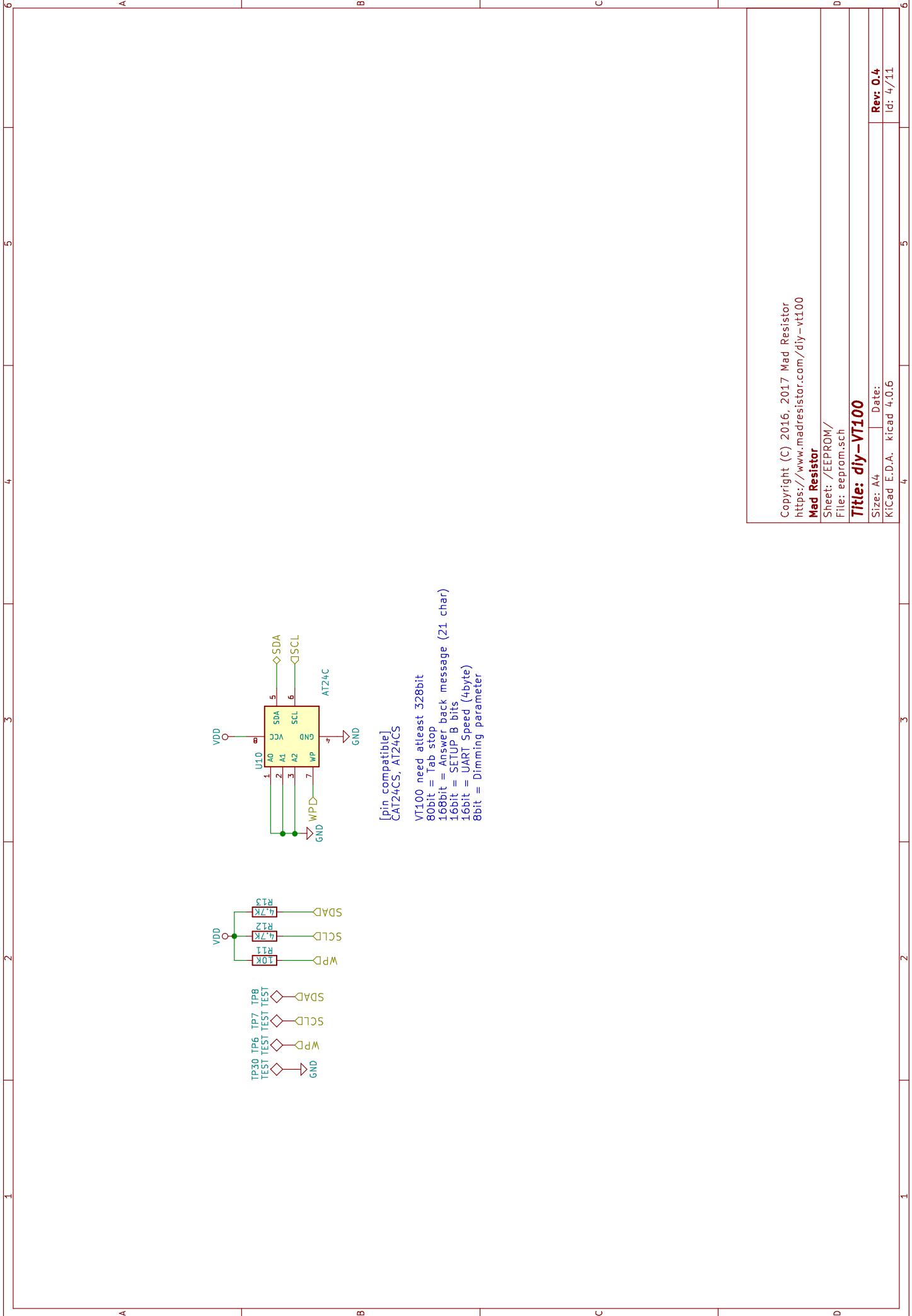
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[pin compatible]  
 CAT24CS, AT24CS

VT100 need atleast 328bit  
 80bit = Tab stop  
 168bit = Answer back message (21 char)  
 16bit = SETUP\_B bits  
 16bit = UART\_Speed (4byte)  
 8bit = Dimming parameter

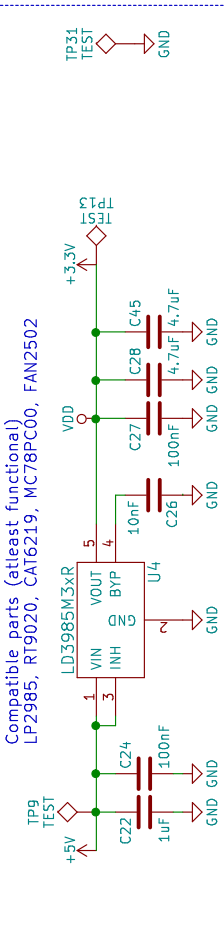
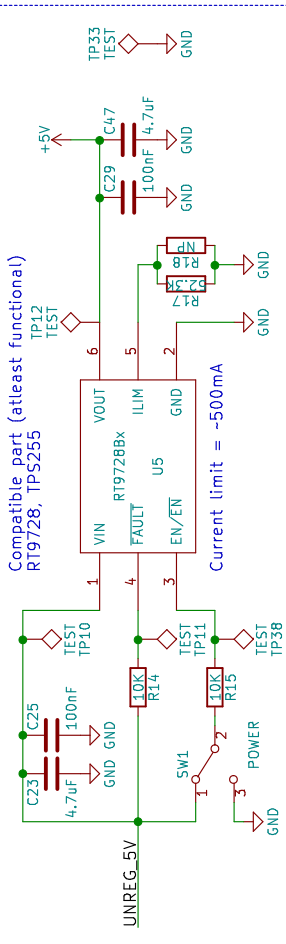
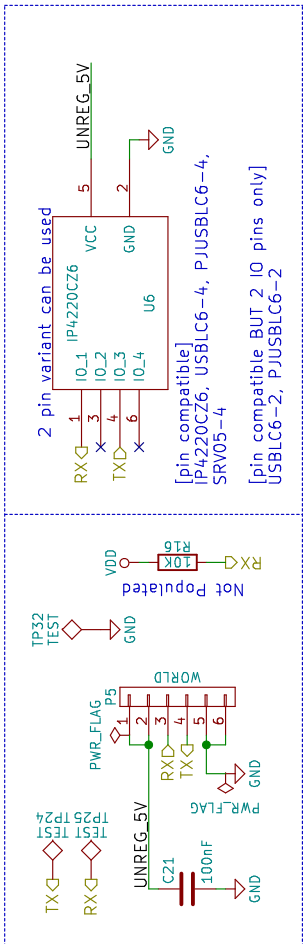
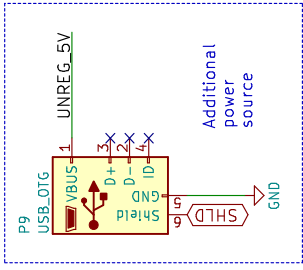
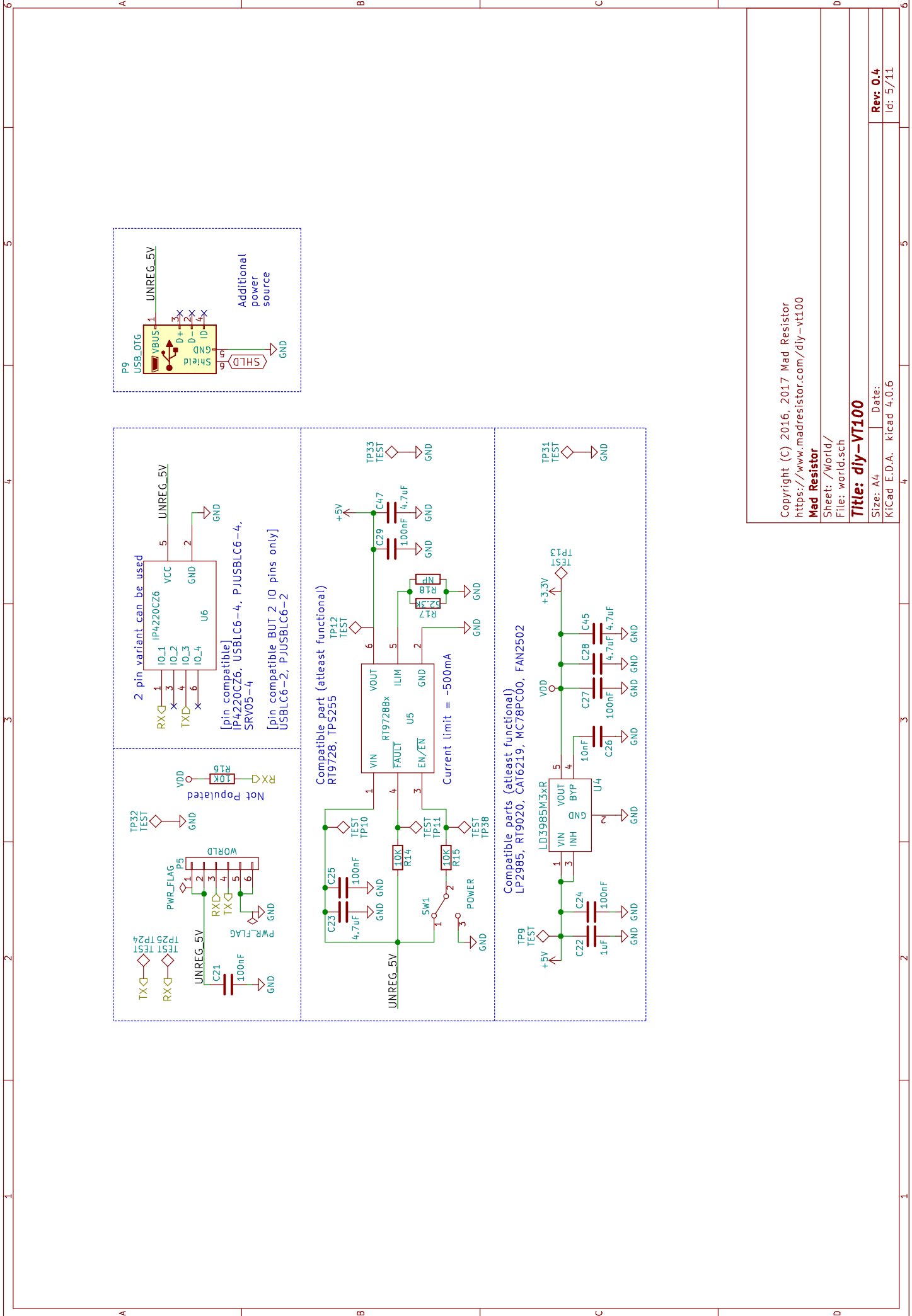
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**Mad Resistor**  
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 File: eeprom.sch

**Title: diy-VT100**

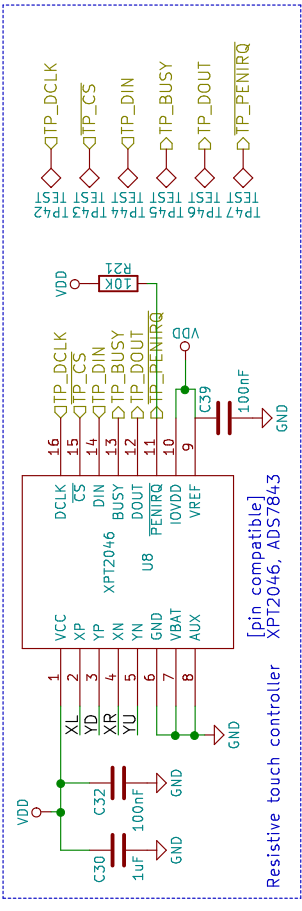
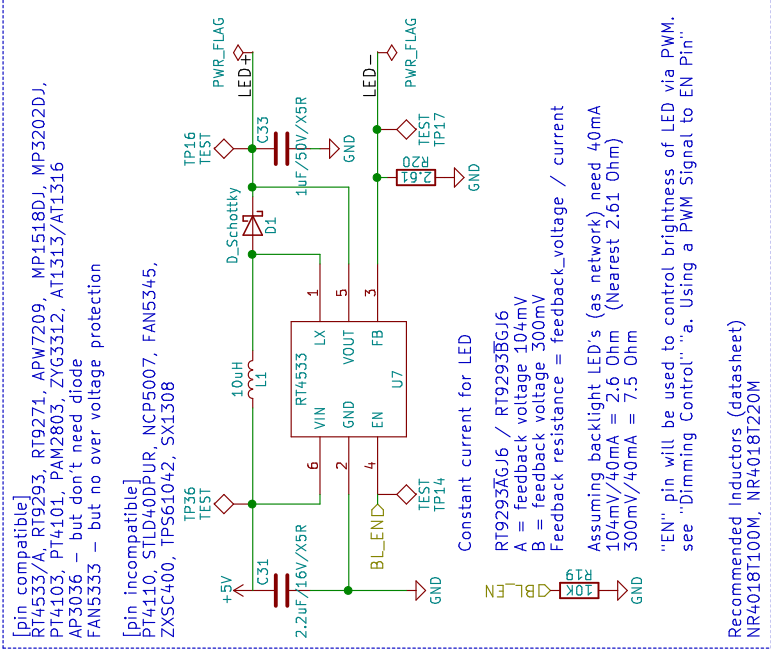
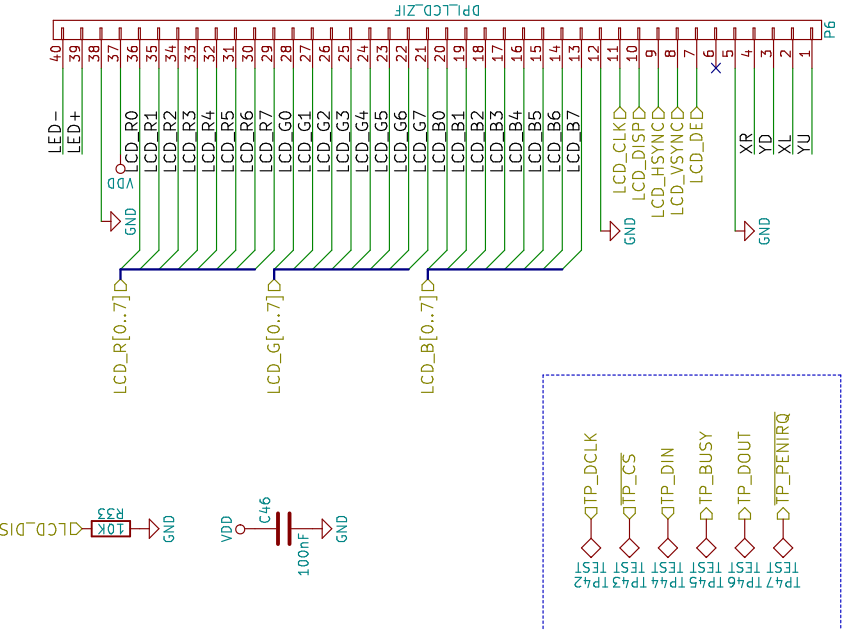
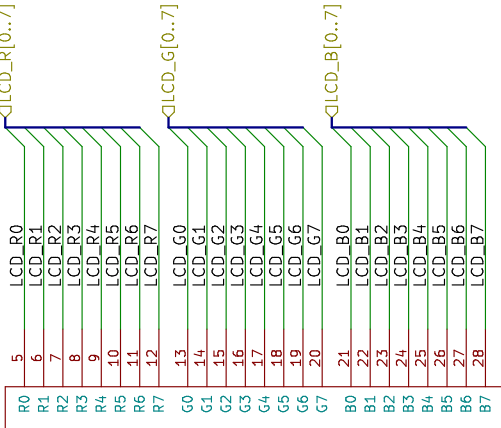
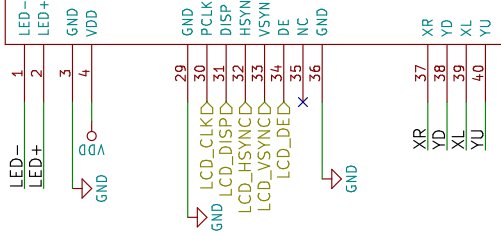
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**Mad Resistor**  
 Sheet: /World/  
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Any DPI LCD with flpe pitch 0.5mm and standard 40 pin interface.

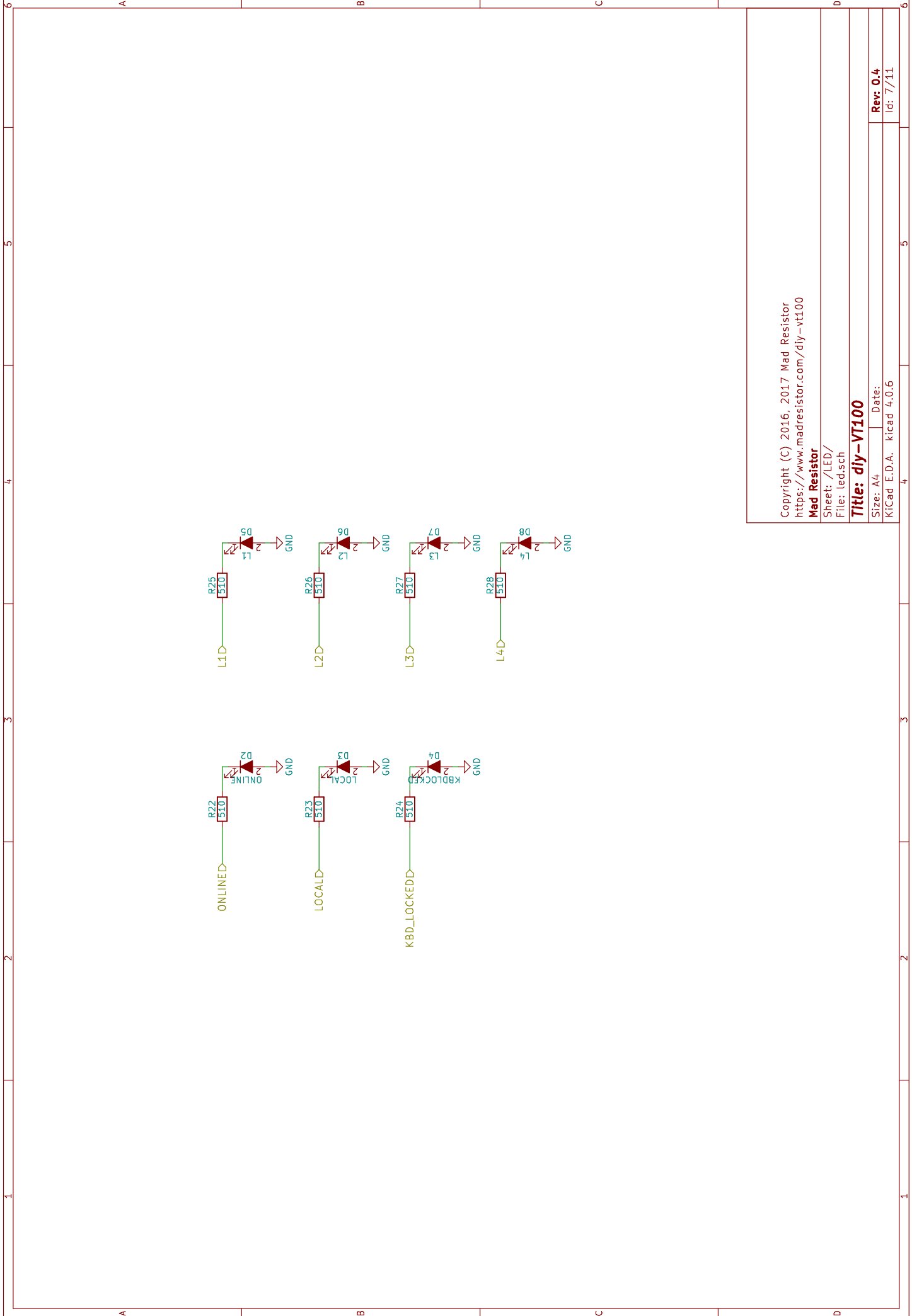


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**Mad Resistor**  
 Sheet: /LCD/  
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Recommended Inductors (datasheet)  
 NR4018T100M, NR4018T20M



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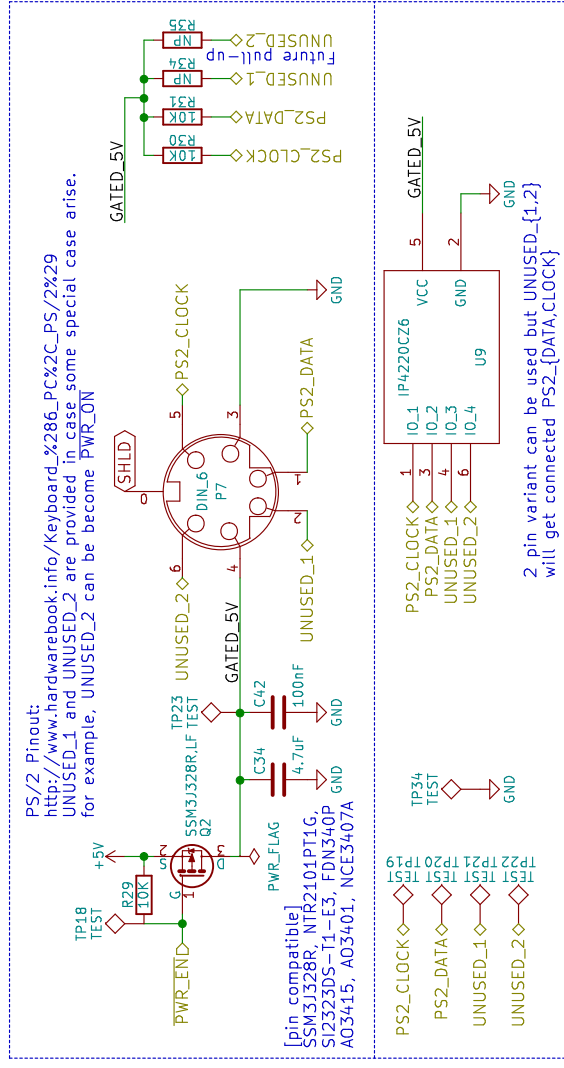
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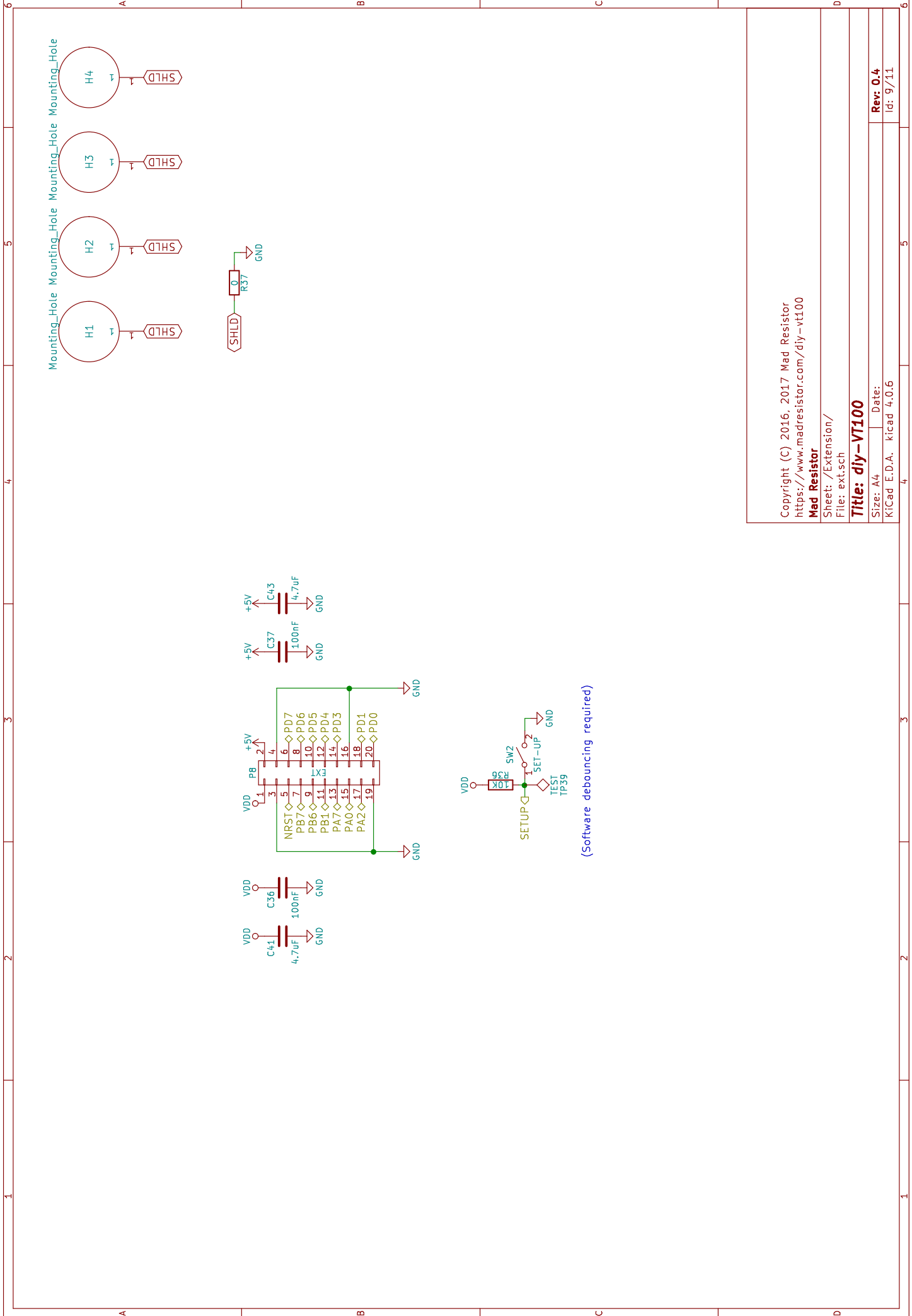
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Size: A4 Date:  
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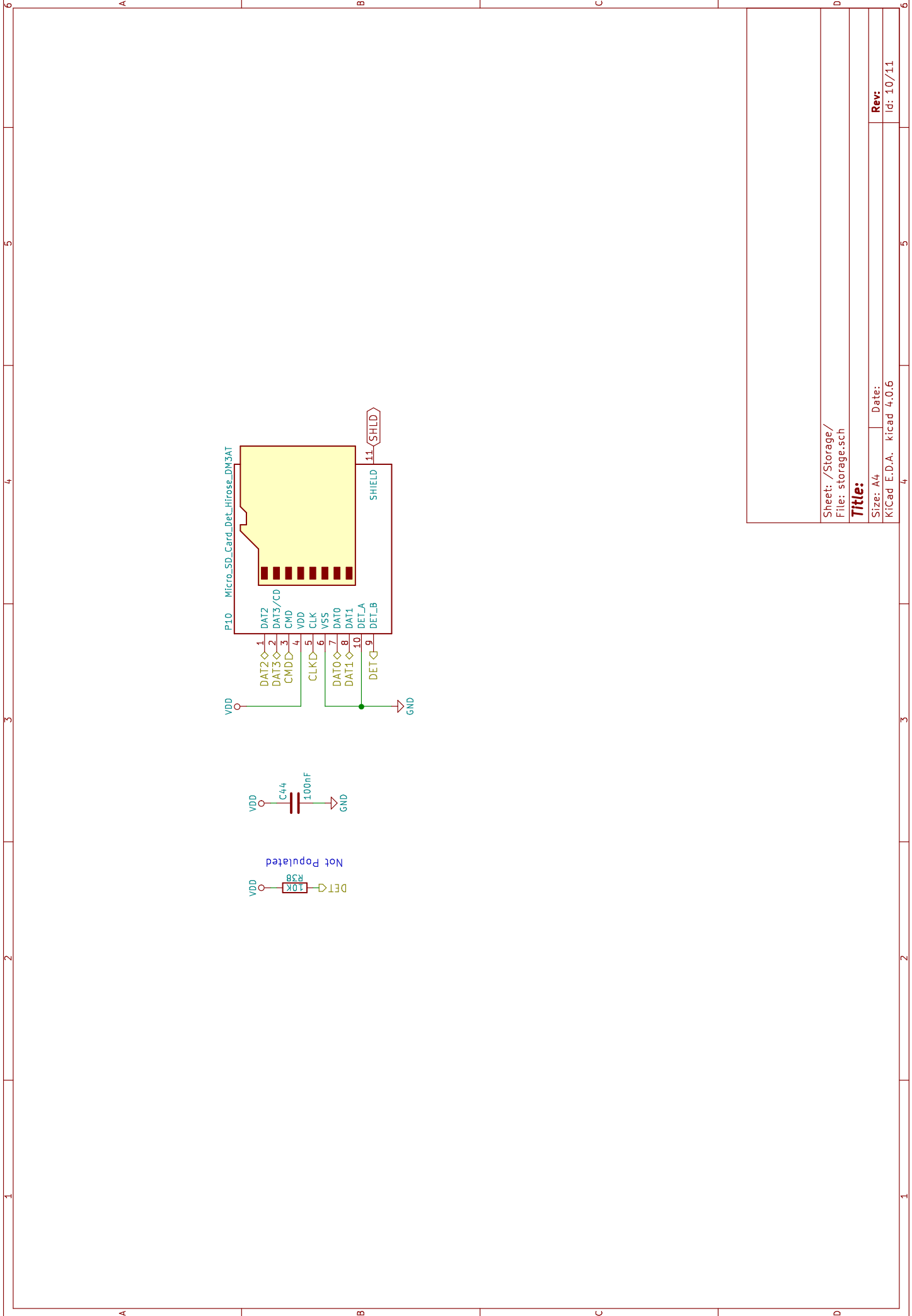


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**Title: diy-VT100**

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(Software debouncing required)

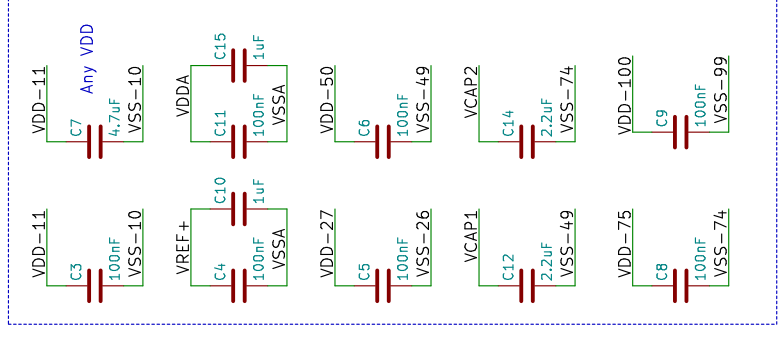
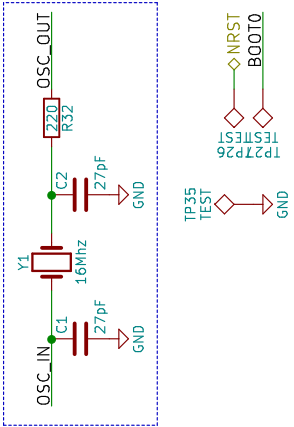
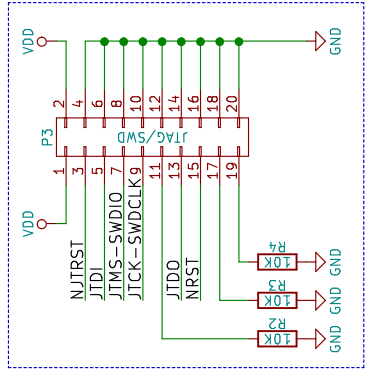
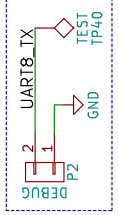
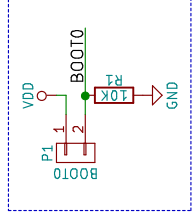
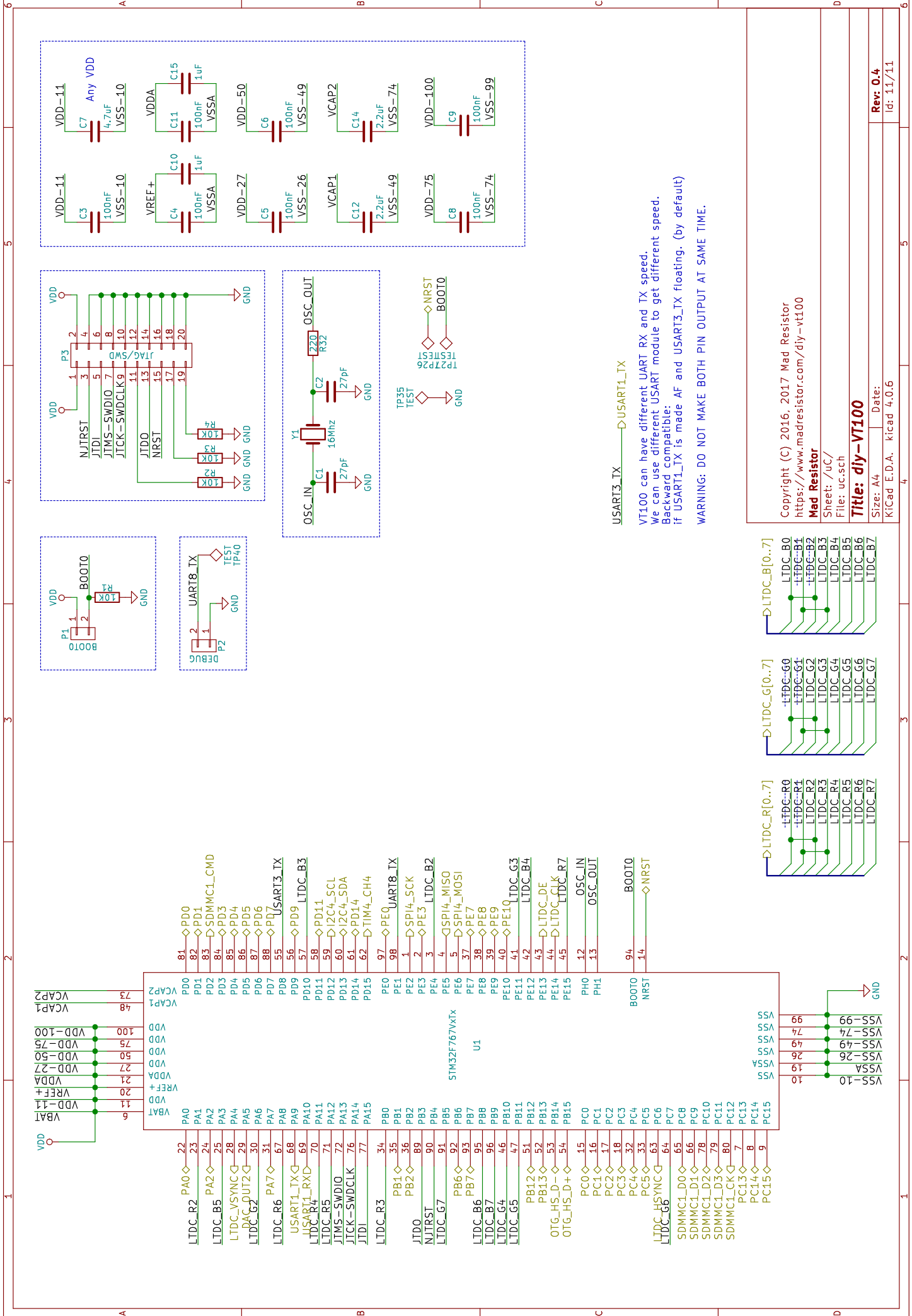


Sheet: /Storage/  
File: storage.sch

**Title:**

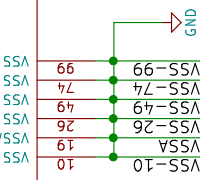
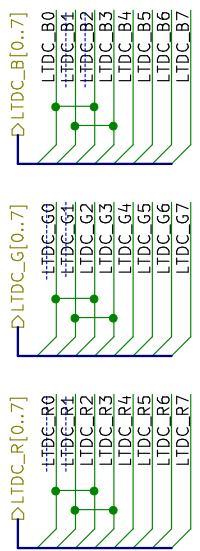
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Rev:  
Id: 10/11



USART3\_TX → USART1\_TX

VT100 can have different UART RX and TX speed.  
 We can use different USART module to get different speed.  
 Backward compatible:  
 if USART1\_TX is made AF and USART3\_TX floating. (by default)  
**WARNING: DO NOT MAKE BOTH PIN OUTPUT AT SAME TIME.**



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 Sheet: /uc/  
 File: uc.isch  
**Title: diy-VT100**  
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