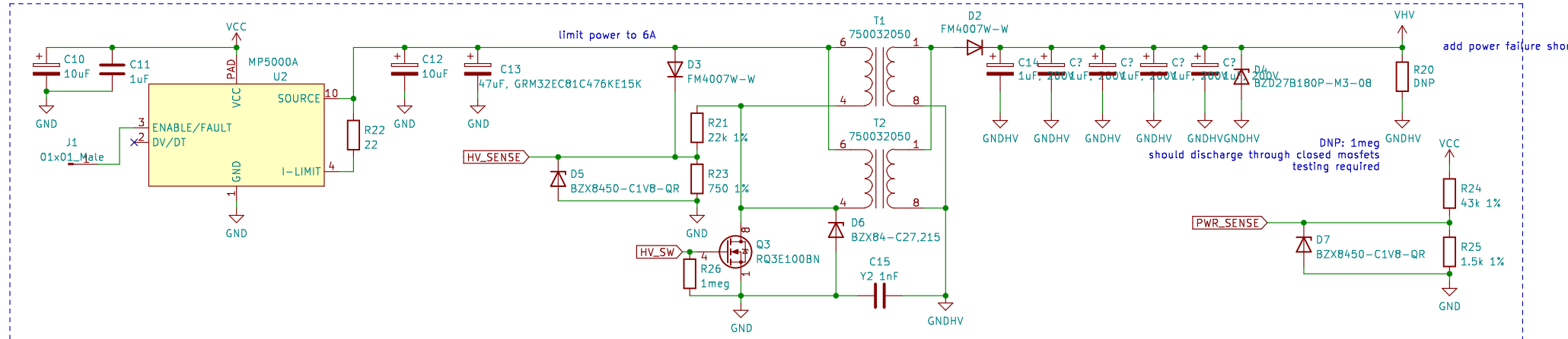


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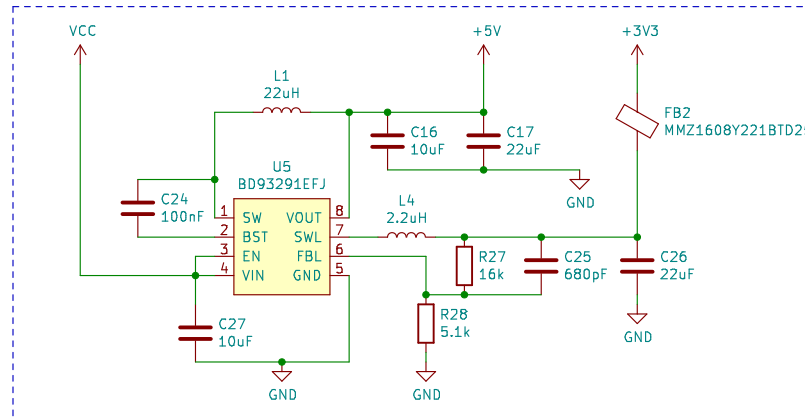
| Country | Year | Sample size | Study |
|-----------|------|-------------|-----------|
| Australia | 1995 | 1,000 | Hawthorne |
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| Australia | 1997 | 1,000 | Hawthorne |
| Australia | 1998 | 1,000 | Hawthorne |
| Australia | 1999 | 1,000 | Hawthorne |
| Australia | 2000 | 1,000 | Hawthorne |
| Australia | 2001 | 1,000 | Hawthorne |
| Australia | 2002 | 1,000 | Hawthorne |
| Australia | 2003 | 1,000 | Hawthorne |
| Australia | 2004 | 1,000 | Hawthorne |
| Australia | 2005 | 1,000 | Hawthorne |
| Australia | 2006 | 1,000 | Hawthorne |
| Australia | 2007 | 1,000 | Hawthorne |
| Australia | 2008 | 1,000 | Hawthorne |
| Australia | 2009 | 1,000 | Hawthorne |
| Australia | 2010 | 1,000 | Hawthorne |
| Australia | 2011 | 1,000 | Hawthorne |
| Australia | 2012 | 1,000 | Hawthorne |
| Australia | 2013 | 1,000 | Hawthorne |
| Australia | 2014 | 1,000 | Hawthorne |
| Australia | 2015 | 1,000 | Hawthorne |
| Australia | 2016 | 1,000 | Hawthorne |
| Australia | 2017 | 1,000 | Hawthorne |
| Australia | 2018 | 1,000 | Hawthorne |
| Australia | 2019 | 1,000 | Hawthorne |
| Australia | 2020 | 1,000 | Hawthorne |
| Australia | 2021 | 1,000 | Hawthorne |
| Australia | 2022 | 1,000 | Hawthorne |
| Australia | 2023 | 1,000 | Hawthorne |
| Australia | 2024 | 1,000 | Hawthorne |
| Australia | 2025 | 1,000 | Hawthorne |
| Australia | 2026 | 1,000 | Hawthorne |
| Australia | 2027 | 1,000 | Hawthorne |
| Australia | 2028 | 1,000 | Hawthorne |
| | | | |

File: connectivity.kicad_sch

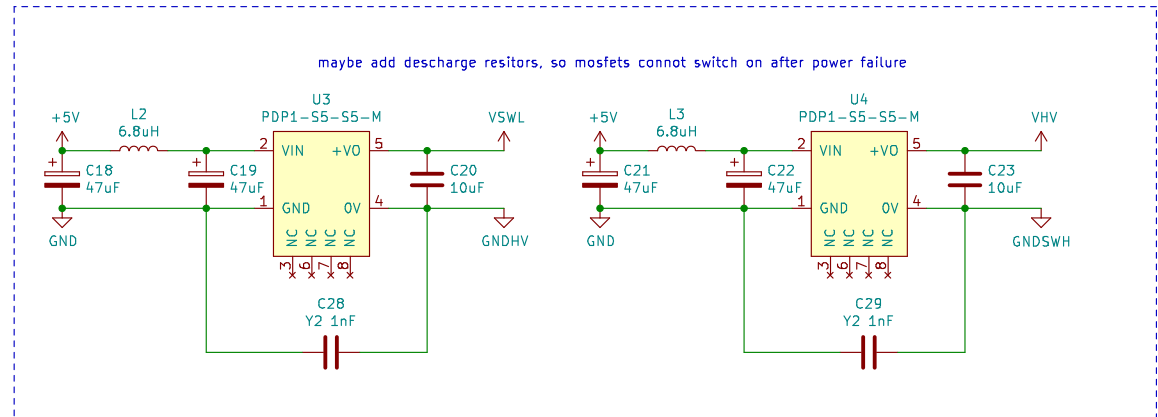
170V Power supply



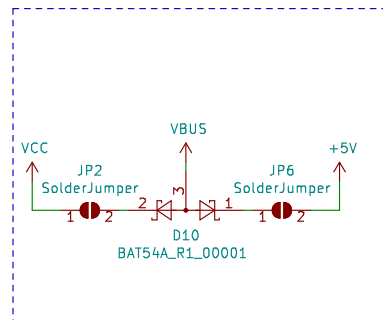
Logic power supply



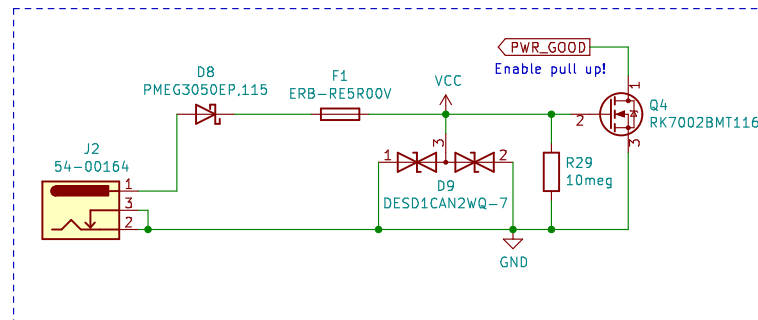
High voltage switching supply



USB power input



Power input



Do not place pullup and filtering cap if not necessary (test after assembly)

The diagram illustrates the internal circuit of a 485 module. It features a MAX485E (U6) and a ZMM5226B (D11) diode. The module has two RJ45 connectors (J3 and J5) and two DMX connectors (DMX_RX and DMX_TX). The circuit includes resistors R31 (1k) and R34 (1meg), and jumpers JP3 and JP5. The module is powered by +5V and GND. The diagram shows the internal wiring, including the connection of the diode to the DMX lines and the connection of the resistors to the RJ45 lines. The module is labeled "add ESD protection" and "DMX SENDER ENABLE".

The diagram illustrates the board wiring for the four connectors. J6 (Conn_01x02+5V) is connected to J7 (Conn_01x03) and J10 (Conn_01x04). J7 is connected to J8 (Conn_01x04). The connections are as follows:

- J6 Pin 1 (GPIO1) connects to J10 Pin 4 (PWR_GOOD).
- J6 Pin 2 (GPIO2) connects to J10 Pin 3 (DMX_SENDER_ENABLE).
- J7 Pin 3 (+3V3) connects to J10 Pin 2 (OUTPUT_ENABLE1).
- J7 Pin 2 (5V) connects to J10 Pin 1 (OUTPUT_ENABLE2).
- J7 Pin 1 (GND) connects to J8 Pin 1 (GNDHV).
- J8 Pin 4 (VHV) connects to J10 Pin 4 (PWR_GOOD).
- J8 Pin 3 (VSWH) connects to J10 Pin 3 (DMX_SENDER_ENABLE).
- J8 Pin 2 (VSWL) connects to J10 Pin 2 (OUTPUT_ENABLE1).
- J8 Pin 1 (GNDHV) connects to J10 Pin 1 (OUTPUT_ENABLE2).

