D1 and D2 depend on how much voltage the transformer is putting out and might not even be necessary. The voltage measurement on C1 should be less than its voltage rating by around 18-20V. This measurement is taken without connecting the B+ supplies to tubes, but with filaments wired and connected.

D3-D6 can be replaced with similar 1000V fast recovery rectifiers.
Initial design: Randall Aiken

NOTES:
(1) ALL SWITCHES ARE MOMENTARY CONTACT SPST
(2) VCC SUPPLY CAN RANGE FROM 5V TO 15V
(3) OUTPUT CONTROL SIGNALS ARE CMOS-COMPATIBLE LEVELS (CAN SOURCE/SINK AROUND 5 mA MAX AT 5V).
(4) LED CURRENT LIMITING RESISTOR VALUE IS FOR 5V. IT MAY NEED TO BE LARGER FOR HIGHER VCC VOLTAGES
(5) ALL PARTS AVAILABLE FROM DIGI-KEY (1-800-DIGIKEY)
SOLDANO x 88R
POWER SUPPLY - SWITCHING SECTION