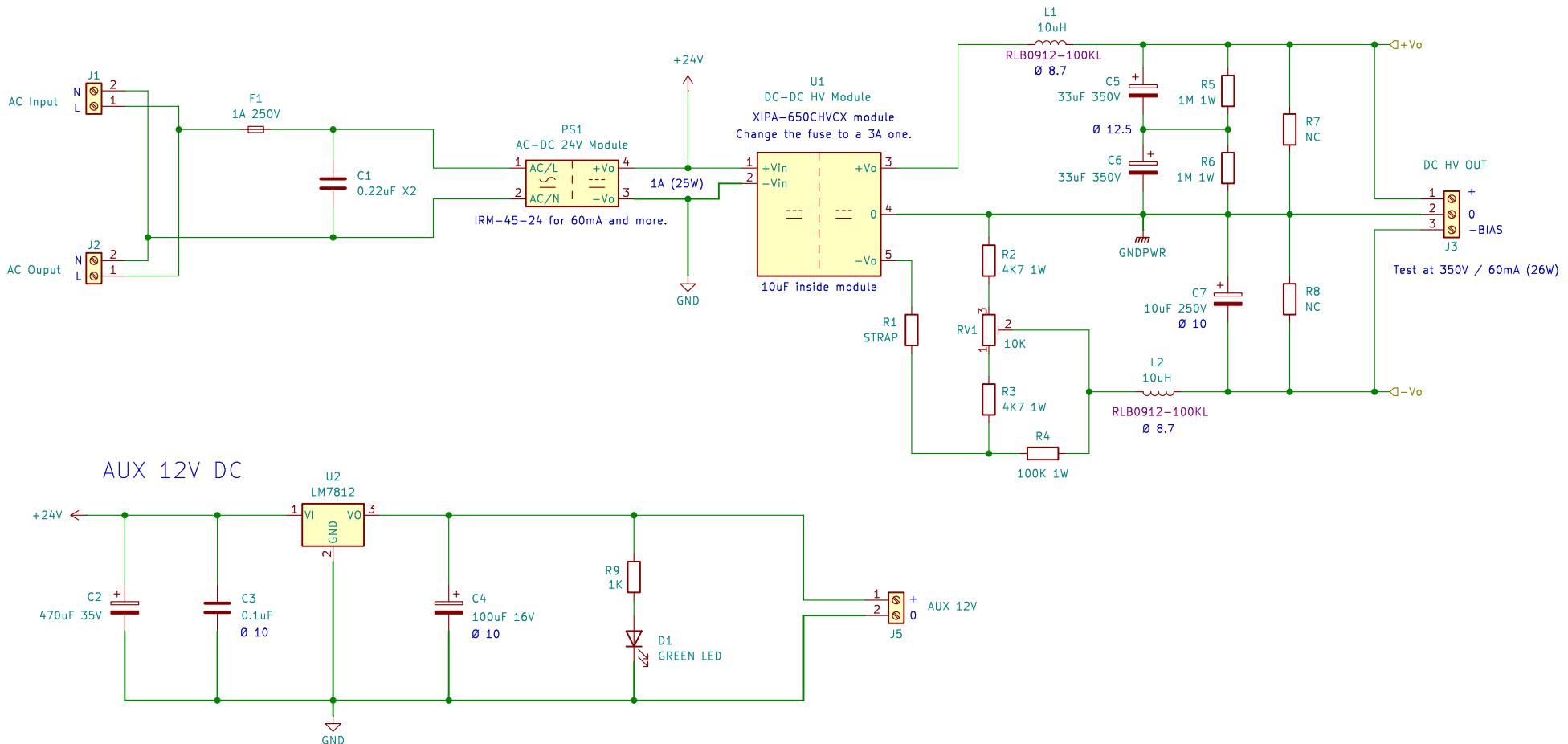


Tube High Voltage Power Supply



HV module modifications

XIPA-650CHVCX module (max 350V/70mA, 24W)

EC1: 470μF 35V polymer, 667-EFH-AZSV471UB

EC2 capacitor: 2 x 22μF 350V, 647-UCY2V220MPD9

EC3 capacitor (for negative mods): 2 x 22μF 350V, 647-UCY2V220MPD9

D4: US3M 1KV 3A, 621-US3M-13 or UF5408 3A, 637-UF5408

D5 (for negative mods): US3M 1KV 3A, 621-US3M-13 or UF5408 3A, 637-UF5408

R26: 25Mohm 3W, 2512 case, 652-CRA2512FZR025ELF (Original value 0R008 2W JK8, 1812 case)

Add one 1M 1/2W resistor for each HV capacitors (652-CRM1206FX1004ELF).

Heat Sink+Retaining Clip for T0220: Aavid 532-6236B

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File: TUBE-HV-PSU.kicad_sch

Title: Tube High Voltage Power Supply

Size: A4 Date: 2025-11-10

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Rev: 1.0.2

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