

Last updated July 11, 2025

NOTES & ERRATA

Series 5000 Preamplifier 2025 Redeveloped

Errata

PCB ETI478MB (main board)

1. C14: 1,000uF 16v should be 1,000uF 25v
2. C19, 15, 16: 100uF 25v. The PCB footprint suits 35v, Kemet ESC107M035AG3EA (board revision 3.8 only; future revisions will include correct 25v device footprint)
3. C45: 47uF 16v marked on board. Can be 25v. 25v rating added to revised boards.
4. All line level connectors are shown on the silkscreen overlay back to front. When installing, orientation should be such that the mating plug faces inward towards the centre of the main board. However, C48 and C49 must be a height no greater than 8.5mm if orientation is changed to inward-facing. Constructors can choose to leave the orientation as printed on the PCB but this will slightly limit the ability to align the VU meter boards if necessary. As the printing and orientation stands for board Revision 3.8, there is 1mm clearance between the mating plugs and the VU meter boards.

Notes regarding sourcing components

- Vishay CMF series resistors have been added to the preamp section of ETI478MB only.
 - Data sheets/searches used to focus on Vishay CMF series (axial devices) - these are slowly being retired in favour of SMD, so order if you want to go down this path:
1. [All Vishay series resistors](#) PDF
 2. [Vishay CMF series landing page](#) with additional data and information
 3. [Vishay CMF datasheet](#) PDF
 4. [Mouser advanced search link for all IN STOCK Vishay CMF series resistors](#) for those who want to dive deeper into availability and value options
 5. [Digikey same as above](#)

Errata

PCB ETI458 2025 v1.0 (PK/AV LED METERS)

1. J3 instructions are incorrectly noted on the PCB. Refer to Fig. 2. Instructions should read:
 - a. 2+3=Setup
 - b. 2+1=Production
2. ZD1 should have its Cathode facing U6 and connected to Q1 base. Both the schematic and overlay are incorrect (see Fig. 1)
3. R6 and R7 have their values incorrectly swapped on the PCB. R6 is 15k, and R7 is 4k7.

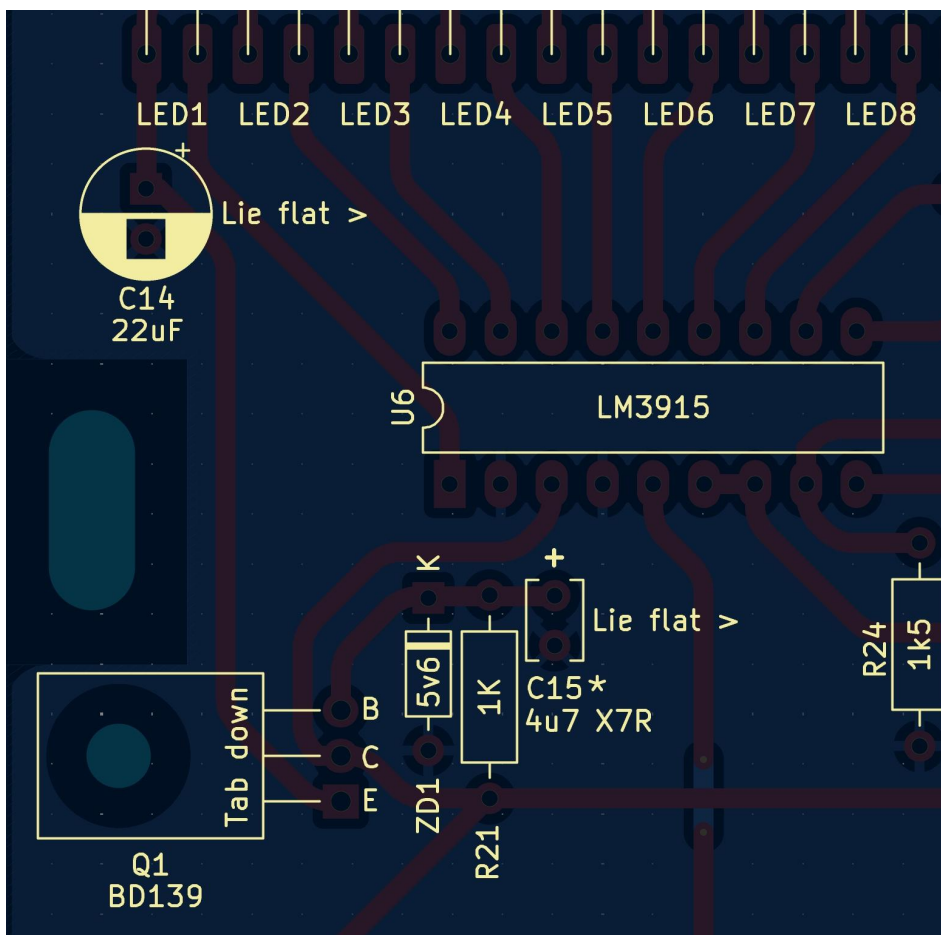


Fig. 1 showing the correct orientation for ZD1

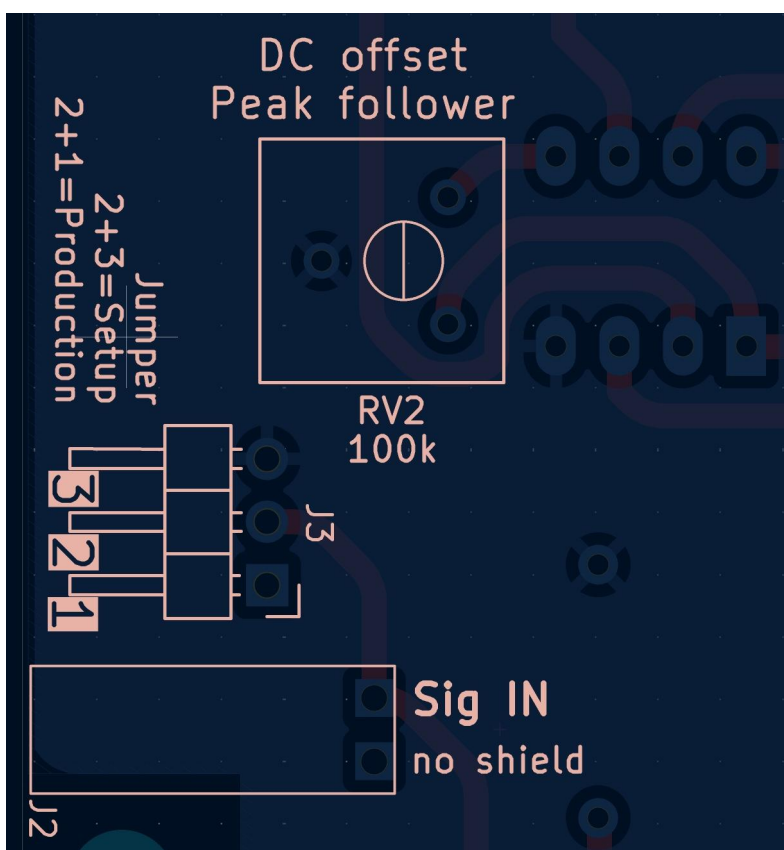


Fig. 2 showing the correct instructions for J3.