

Upgrade from D1V3 to D1V33:

1. Q3/Q8/Q13/Q18 & Q37/Q38/Q39/Q40: From K170BL to K389BL. Idss of K369 should be about 9mA or above and matched within 0.5mA.
2. Q4/Q9/Q14/Q19: K170 from 6mA Idss to 9.5mA Idss or above. Matched within 0.5mA. Use the 4 Jfets that are taken out from above in D1V3 version.
3. R148/R149/R150/R151: Change to 22ohm.
4. R3/R12/R23/R33: Change to 10ohm.
5. R81/R82: Change to 0.47ohm 2W.
6. Q2/Q7/Q12/Q17: No change, use J74 on D1V3 pcb.
7. VR R1/R10/R21/R31: Use 100ohm instead of 50ohm to have a wider tuning range for Point A voltage to +9V – do that if 9V is not able to be obtained with original 50ohm VR.
8. C83 and C86: Use 5600uF 35V Panasonic Audio grade capacitor - optional. Note that 4 holes has to be drilled to cater for a bigger cap on D1V3 pcb.
9. C4/C15/C25/C36: Change from 10uf film cap to 22u to 200uf 25V Nichicon Muse BP. Better high freq resolution.
10. C8/C19/C29/C40: Removed if high freq is too much.
11. R88 change to 100ohm – for DIR9001 converter board.
12. R123 change to 150ohm – for DIR9001 converter board.
13. Connect a thick wire from Digital Star ground point (J17/J26) to Analogy Star Ground point (J23). Improve groundings.

** Components for item 1, 3, 4 and 7 can be provided at US\$13 (S&H included). **

Regards,
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June 22, 2009