



Note:
If you use Tubes Boards NCT3XX components may not be necessary for installation
(see BOM NCT107_1.X_For_NCT3XX); U1, T1-T8, C3,C28, R1-R7, R12, R15, R18,
R19, D1-D12, D21-D29.

Note:
1) For Tubes Boards NCT4XX: L1 = 220uH 1.45A (CDRH127/LDNP-221MC lde=1.45A), Rdc=338/260 mOhm, 12.3x12.3x8.0mm,
Sumida), lout=16mA, efficiency 85%, R21 = 0.1 Ohm 2512, Q1 = FDD6N28
2) For Tubes Boards NCT3XX: L1 = 100uH 2.7A (RCR16/INP-101K, lde=2.7A, Rdc max typ=68/52.5m Ohm), d=16.5mm,
h=16.5mm Sumida), lout=40mA, efficiency 77%, R21 = 0.05 Ohm 2512, Q1 = FQD18N20 (or STD18N55M5)
If you use Tubes Boards NCT3XX components may not be necessary for installation (see BOM NCT107_1.X_For_NCT3XX); U1,
T1-T8, C3,C28, R1-R7, R12, R15, R18, R19, D1-D12, D21-D29.

Warning Note:
If the US IC RT8258 is used, the components D20 and R13 NOT install!!!
If replace US on IC LMR12010, LMR12007 or MCP16301, you should install components D20 and R13

Replace for RT8258
R22 = 91k 0805
R23 = 17.4k 0805
If US IC LMR12010, LMR12007
and MCP16301.
R22 = 52.3k
R23 = 10k