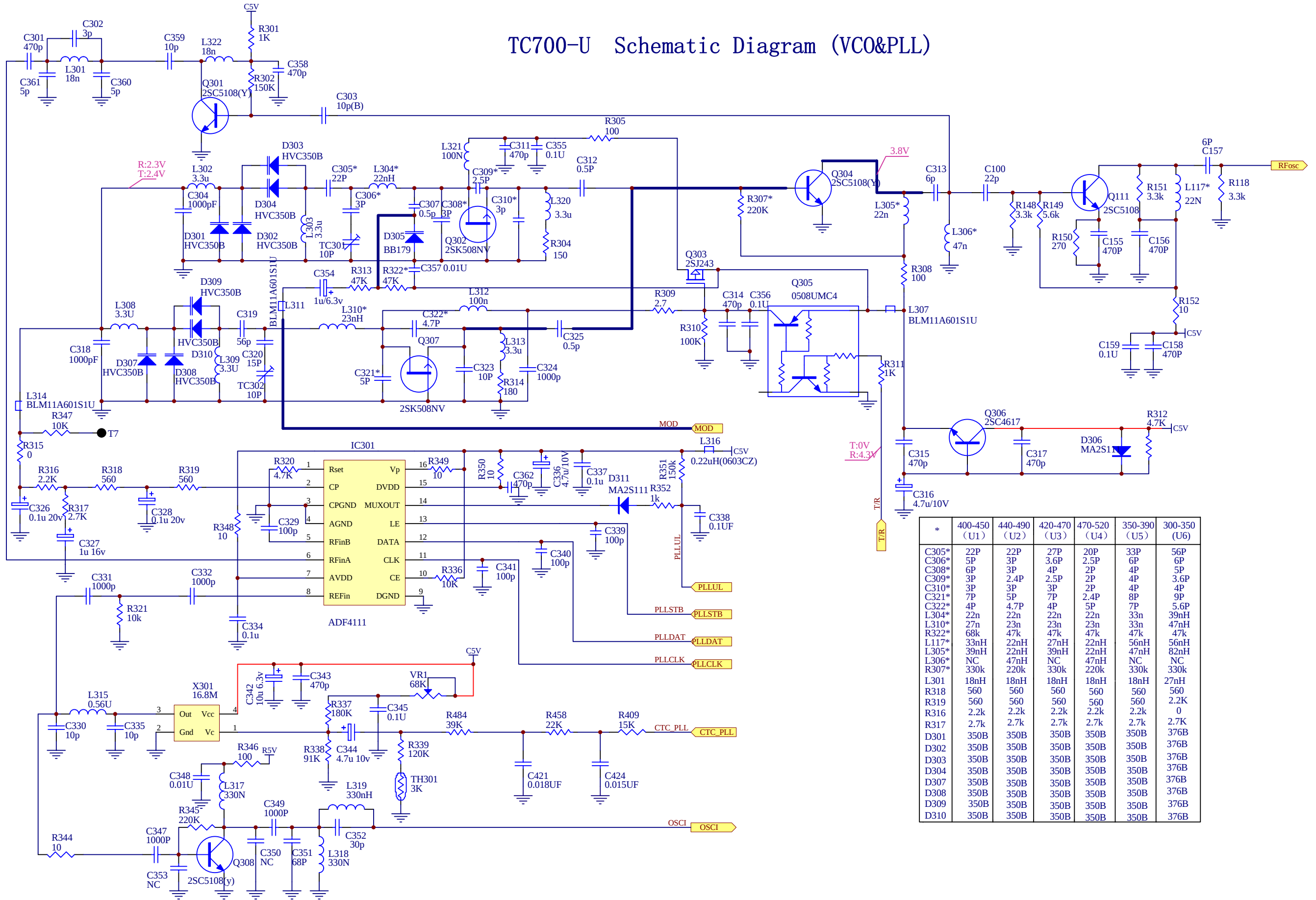
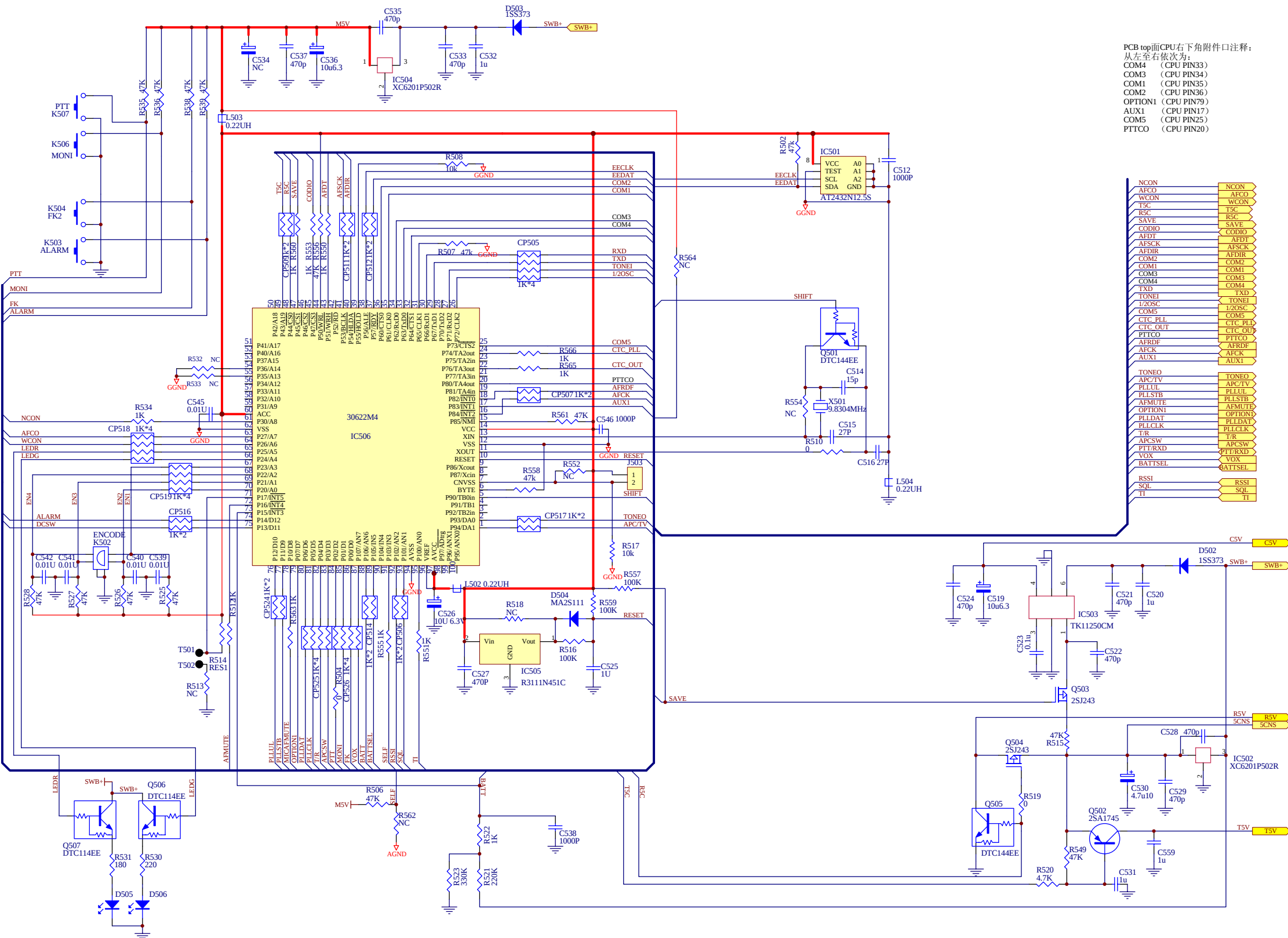


## TC700-U Schematic Diagram (VC0&PLL)

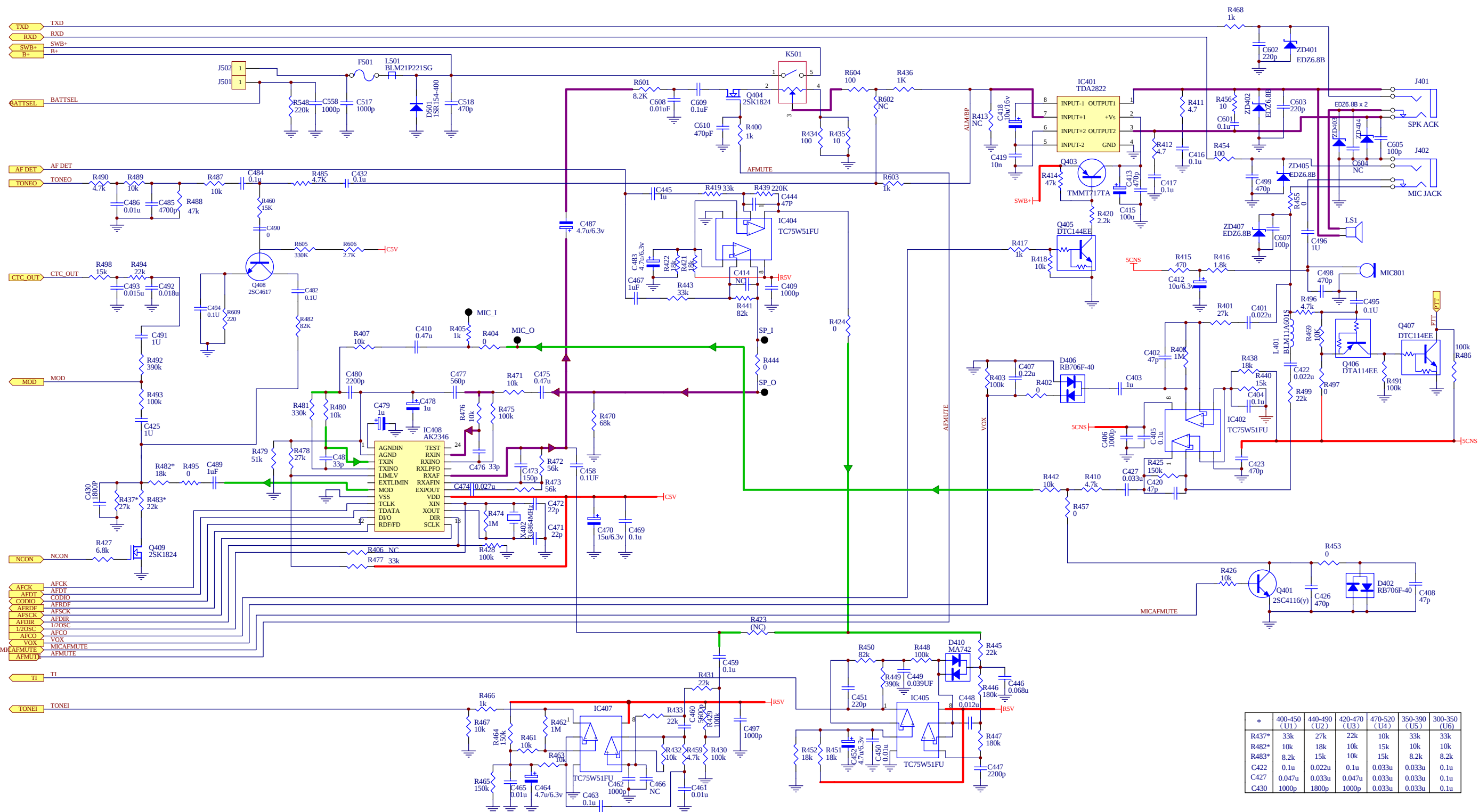


| *     | 400-450<br>(U1) | 440-490<br>(U2) | 420-470<br>(U3) | 470-520<br>(U4) | 350-390<br>(U5) | 300-350<br>(U6) |
|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| C305* | 22P             | 22P             | 27P             | 20P             | 33P             | 56P             |
| C306* | 5P              | 3P              | 3.6P            | 2.5P            | 6P              | 6P              |
| C308* | 6P              | 3P              | 4P              | 2P              | 4P              | 5P              |
| C309* | 3P              | 2.4P            | 2.5P            | 2P              | 4P              | 3.6P            |
| C310* | 3P              | 3P              | 3P              | 2P              | 4P              | 4P              |
| C321* | 7P              | 5P              | 7P              | 2.4P            | 8P              | 9P              |
| C322* | 4P              | 4.7P            | 4P              | 5P              | 7P              | 5.6P            |
| L304* | 22n             | 22n             | 22n             | 22n             | 33n             | 39nH            |
| L310* | 27n             | 23n             | 23n             | 23n             | 33n             | 47nH            |
| R322* | 68k             | 47k             | 47k             | 47k             | 47k             | 47k             |
| L117* | 33nH            | 22nH            | 27nH            | 22nH            | 56nH            | 56nH            |
| L305* | 39nH            | 22nH            | 39nH            | 22nH            | 47nH            | 82nH            |
| L306* | NC              | 47nH            | NC              | 47nH            | NC              | NC              |
| R307* | 330k            | 220k            | 330k            | 220k            | 330k            | 330k            |
| L301  | 18nH            | 18nH            | 18nH            | 18nH            | 18nH            | 27nH            |
| R318  | 560             | 560             | 560             | 560             | 560             | 560             |
| R319  | 560             | 560             | 560             | 560             | 560             | 2.2K            |
| R316  | 2.2k            | 2.2k            | 2.2k            | 2.2k            | 2.2k            | 0               |
| R317  | 2.7k            | 2.7k            | 2.7k            | 2.7k            | 2.7k            | 2.7K            |
| D301  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D302  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D303  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D304  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D307  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D308  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D309  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |
| D310  | 350B            | 350B            | 350B            | 350B            | 350B            | 376B            |

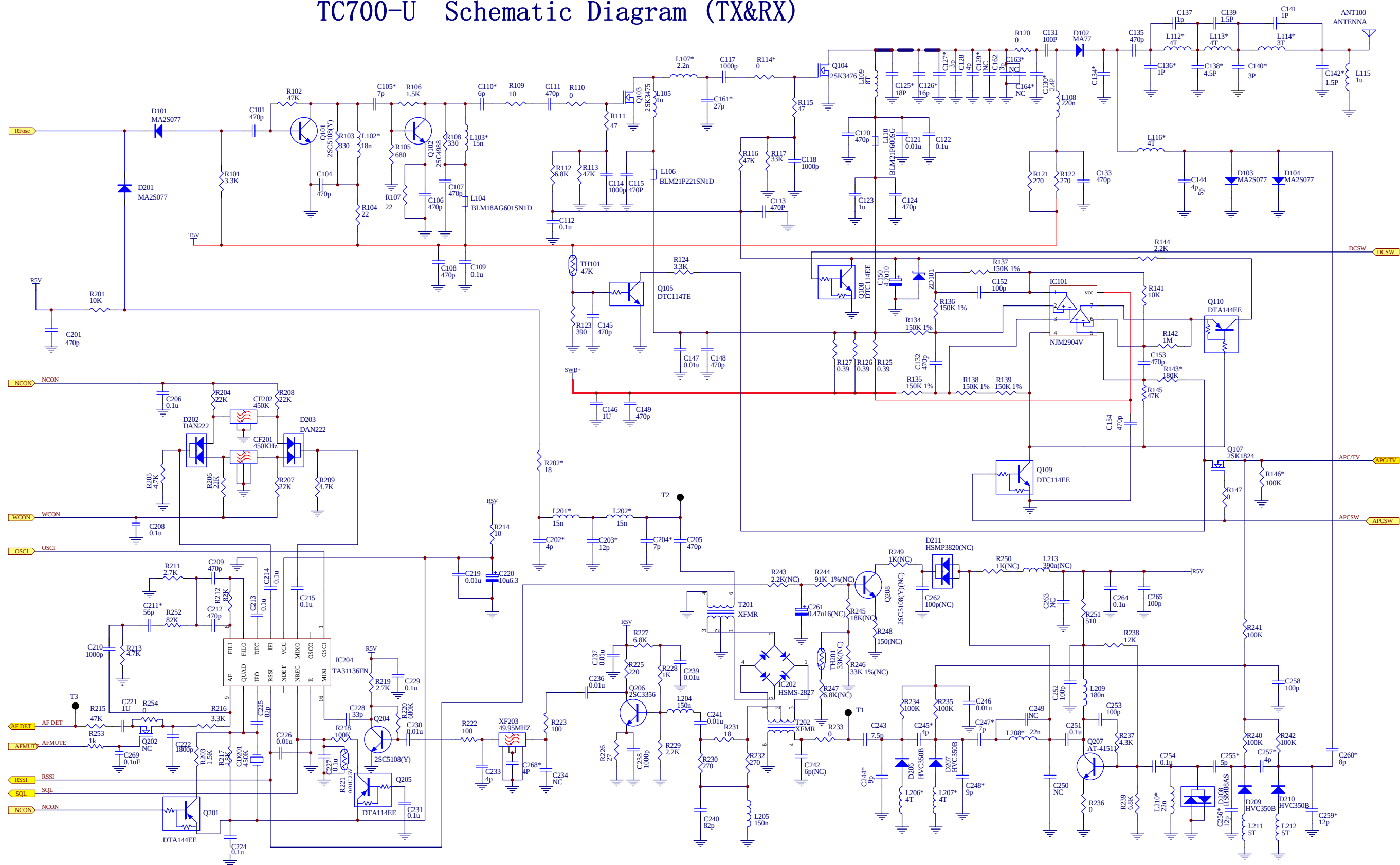
## TC700-U Schematic Diagram (CPU)



# TC700-U Schematic Diagram (Base Band&AF Amplifier)



TC700-U Schematic Diagram (TX&RX)



Note: The coil inductor with "s" indicates its diameter is 0.3mm, while that without "s" 0.35mm.

| *               | C105* | C110* | C125* | C126* | C127* | C128* | C129* | C130* | C134* | C136* | C138* | C140* | C141* | C142* | C161* | C162 | C163* | C164* | C202* | C203* | C204* | C211* | C244* | C245* | C247* | C248* | C255* | C256* | C257* | C259* | C260* | C268* | L102* | L103* | L107* | L112* | L113* | L114* | L116* | L201* | L202* | L206* | L207* | L208* | L210* | R109 | R112 | R114* | R116 | R117 | R143* | R146* | R202* |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|------|-------|-------|-------|
| 400-450<br>(U1) | 7P    | 6P    | 33P   | 27P   | 7P    | NC    | 0.75P | 8P    | 5.6P  | 2P    | 5P    | 3P    | 1P    | 1.5P  | 56P   | 15P  | 2P    | 5P    | NC    | NC    | NC    | 39P   | 9P    | 4P    | 7P    | 9P    | 5P    | 12P   | 4P    | 12P   | 9P    | 5P    | 18n   | 15n   | 0     | 4T    | 4T    | 3T    | 4T    | 0     | 0     | 5Ts   | 4T    | 22n   | 22n   | 10   | 2.7k | 0     | 39k  | 39k  | 82k   | 39k   | 0     |
| 440-490<br>(U2) | 7P    | 6P    | 20P   | 20P   | 6P    | NC    | 6P    | 2.4P  | 5P    | 1P    | 5P    | 3P    | 1P    | 1.5P  | 27P   | 15P  | NC    | 6P    | 4P    | 12P   | 7P    | 56P   | 9P    | 4P    | 7P    | 9P    | 5P    | 12P   | 4P    | 12P   | 8P    | 4P    | 18n   | 15n   | 0     | 4T    | 4T    | 3T    | 4Ts   | 15nH  | 15nH  | 4T    | 4T    | 22n   | 22n   | 10   | 6.8k | 0     | 47k  | 47k  | 180k  | 100k  | 18    |
| 420-470<br>(U3) | 7P    | 6P    | 27P   | 22P   | 11P   | NC    | 2p    | 5P    | 4P    | 3P    | 6P    | 4P    | 1P    | 3P    | 56P   | 15P  | 3P    | 5P    | NC    | NC    | NC    | 27P   | 9P    | 4P    | 7P    | 9P    | 5P    | 12P   | 4P    | 12P   | 8P    | 4P    | 18n   | 15n   | 0     | 4T    | 4T    | 3T    | 4Ts   | 0     | 0     | 4T    | 4T    | 22n   | 22n   | 10   | 2.7k | 0     | 39k  | 39k  | 180k  | 100k  | 0     |
| 470-520<br>(U4) | 7P    | 6P    | 24P   | 20P   | NC    | NC    | 6P    | 2P    | 4P    | 1P    | 4P    | 3P    | 1P    | 1.5P  | 27P   | 15P  | NC    | 5P    | 4P    | 12P   | 7P    | 56P   | 3P    | 4P    | 15P   | 6P    | 10P   | 8P    | 4P    | 6P    | 8P    | 4P    | 18n   | 15n   | 0     | 4T    | 4T    | 3T    | 4Ts   | 15nH  | 15nH  | 4T    | 4T    | 22n   | 22n   | 10   | 6.8k | 0     | 47k  | 47k  | 180k  | 100k  | 18    |
| 350-390<br>(U5) | 8P    | 9P    | 33P   | 27P   | NC    | NC    | 8P    | 2.4P  | 3P    | 3P    | 5P    | 3P    | 1P    | 1.5P  | 47P   | 15P  | 0.75P | NC    | NC    | NC    | NC    | 27P   | 12P   | 5P    | 9P    | 12P   | 20P   | 9P    | 5P    | 9P    | 6P    | 4P    | 33n   | 58n   | 3.3n  | 5T    | 5T    | 4T    | 4T    | 0     | 0     | 5Ts   | 5Ts   | 27n   | 27n   | 10   | 6.8k | 2.7n  | 47k  | 47k  | 180k  | 100k  | 0     |
| 300-350<br>(U6) | 8P    | 9P    | NC    | NC    | 13P   | 18P   | 8P    | 5P    | 6P    | 3P    | 8P    | 3P    | 2P    | 1.5P  | 68P   | 18P  | NC    | NC    | NC    | NC    | NC    | 27P   | 15P   | 6P    | 11P   | 15P   | 22P   | 22P   | 6P    | 22P   | 6P    | 4P    | 47n   | 56n   | 3.3n  | 5T    | 6T    | 4T    | 5T    | 0     | 0     | 5Ts   | 5Ts   | 27n   | 27n   | 0    | 2.7k | 3.3n  | 39k  | 33k  | 180k  | 100k  | 0     |