

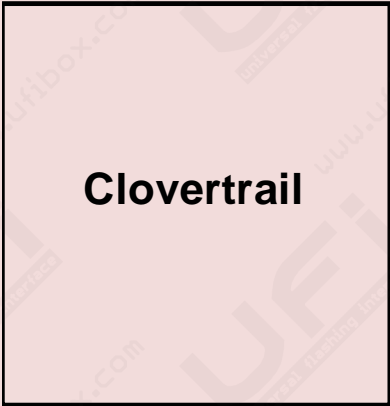
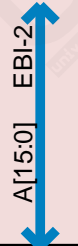
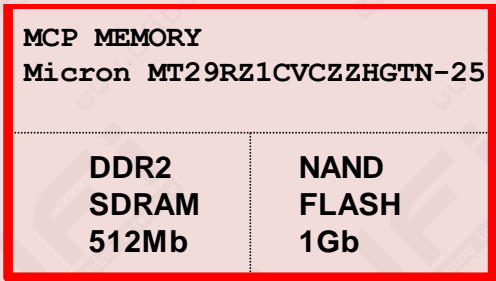
ME560CG BB

Hardware Introduction

Main Parts of Modem

- Modem Baseband IC
- MCP
- SIM Card

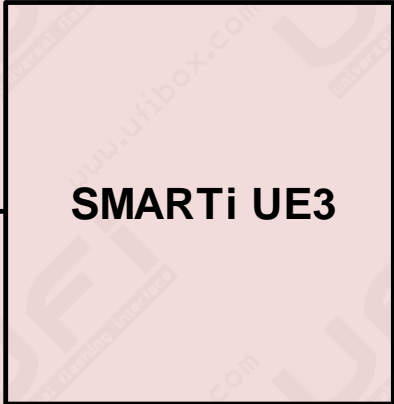
Block Diagram



MIPI HSI IF

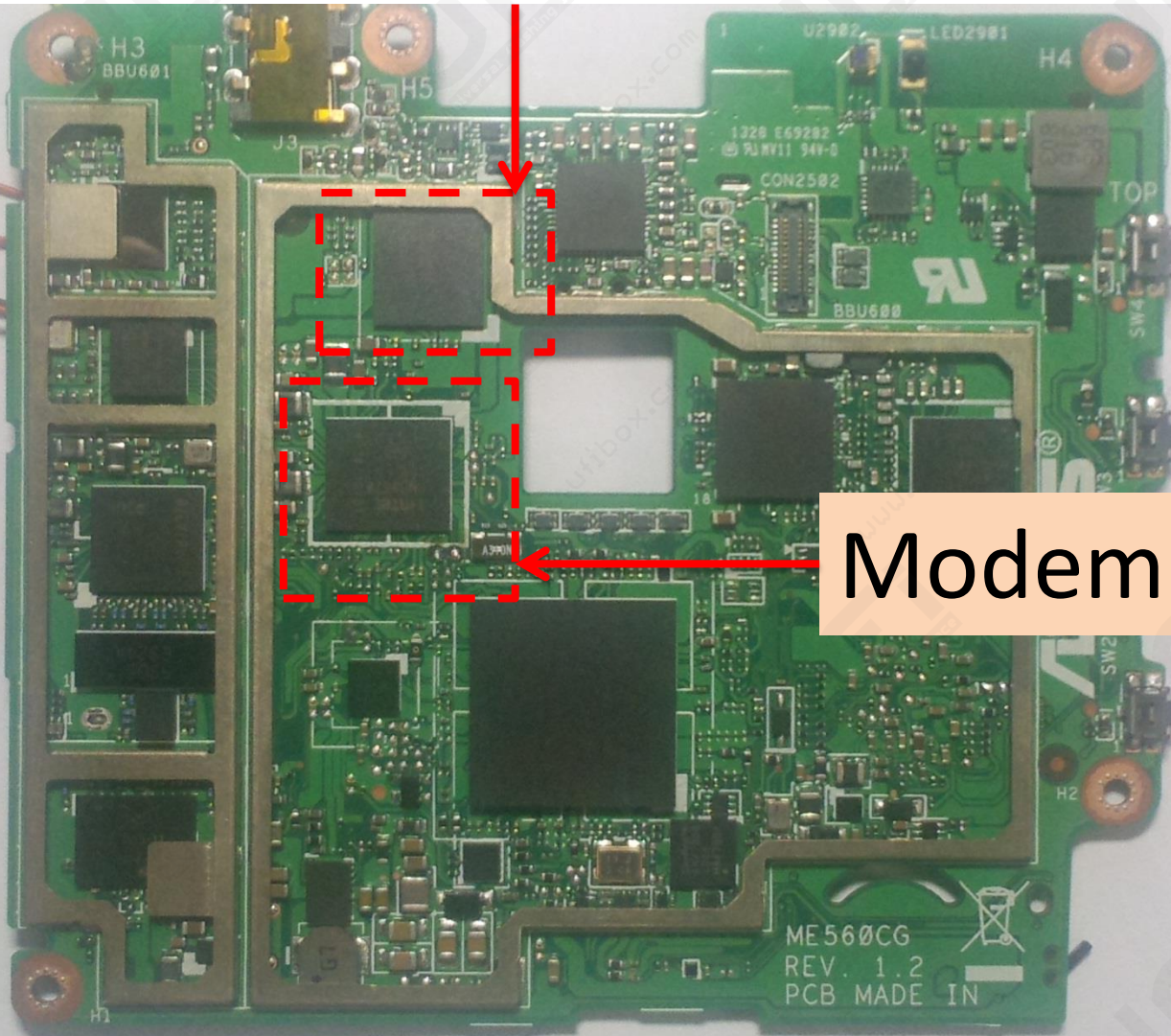


TX/RX IF

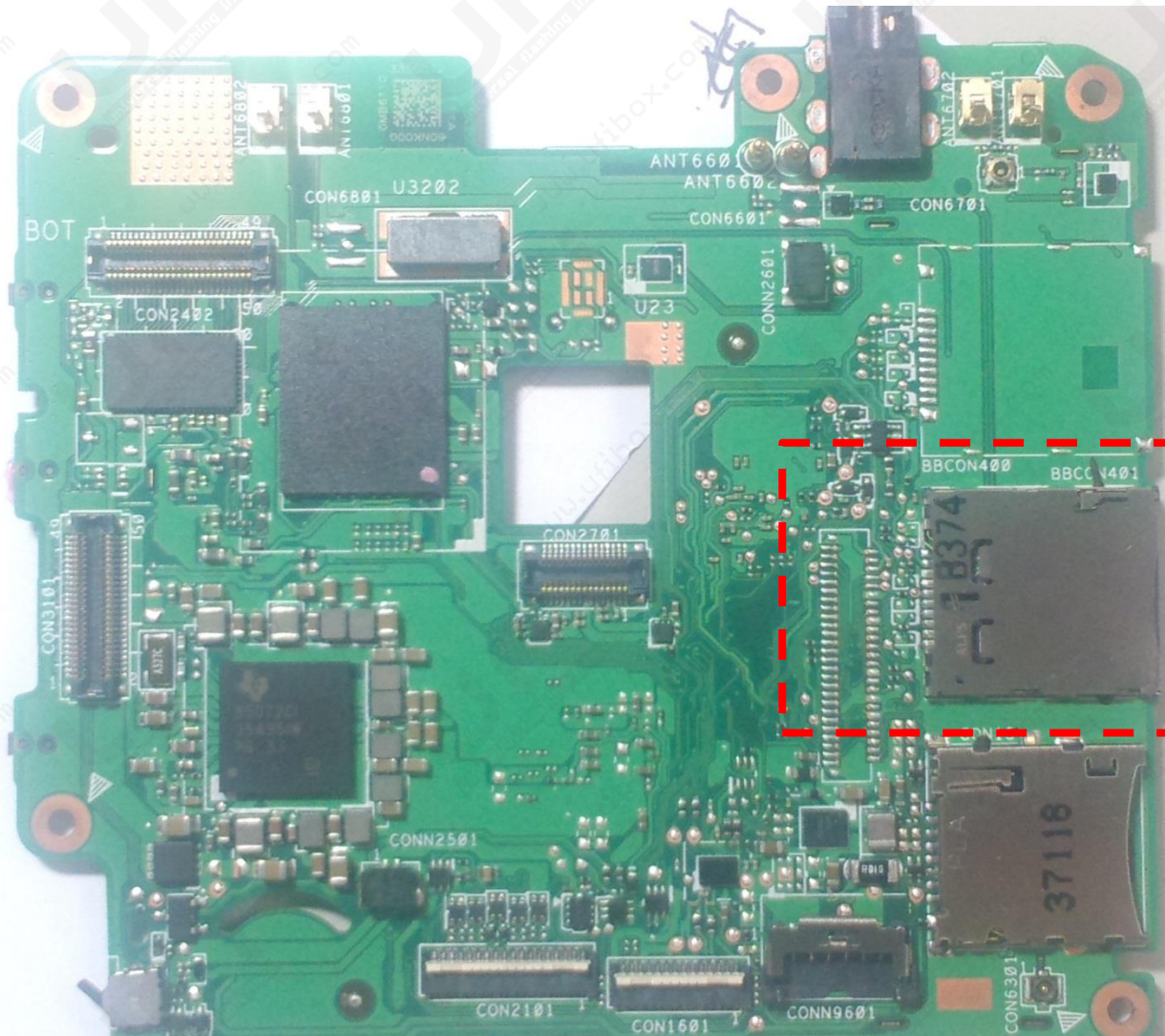


MCP

Modem BB



SIM



Trouble Shooting Guide

Modem can't boot

- Check $V_SYS > 3.7V$
 - Measure BBR1 and BBR2
- Check PMU voltage have problem or not
 - VSD1_VAR (1.2V) , MeasureBBC103
 - VSD2_1V8 , MeasureBBC102
 - VSD3_1V2 , MeasureBBC105
- Check MOD_RESET_PWRDWN_N have H level or not
 - Measure BBTP104
- Check RESET_BB_N have H level or not.
 - Measure BBTP105

Modem can't boot

- Check PWR_FAIL_N_BUF have H level or not.
 - Measure BBTP210
- Check MODEM_PWR_ON
 - check have 60uS(over) pulse or not
- Check BBU100

Can't DL

- Check Modem ok and can boot
--check BBU100 or re-heat or exchange

- Check BBU300 is ok or not
--check BBU300 or re-heat or exchange

Can't read Modem Version

- Check SMARTi_UE3 (RFU6401) is ok or not
- Check SYS_CLK
 - check RFR6201 have 26MHz clock or not

SIM Card Fail

- Check BBCON401 is ok or not
- When plug SIM card the SIM1_CD need pull H
--if no,check BBTP404
- When plug SIM card the SIM Card voltage need have 1.8V or 3.3V
 - If no,Check BBTP405

Thank You