## Version History

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- **P01**: REVISION HISTORY
- **P02**: BLOCK DIAGRAM
- **P03**: POWER TREE
- **P04**: MODEM-4G/SENSOR
- **P06**: PMIC/KEY
- **P07**: EMMC
- **P08**: AUDIO
- **P09**: USB
- **P10**: CAMREA
- **P11**: LCD
- **P13**: HDMI
- **P15**: WIFI+BT
- **P16**: CTP/IR
- **P17**: PCI
- **P18**: Euler e Connector
- **P19**: Euler e Connector
The ESD part's parasitic capacitance < 5pF.

Ilim (A) = 6800/Rset (ohm)
Rear Camera

Close to AP

Close to camera.

DVDD1V8-CSI = 1.8V
DOVDD-CSI = 2.8V
AVDD-CSI = 2.8V
AFVCC-CSI = 2.8V

Front Camera

Close to AP

Close to camera.

DVDD1V8-CSI = 1.8V
DOVDD-CSI = 2.8V
AVDD-CSI = 2.8V
AFVCC-CSI = 2.8V

FLASH LED Drive

note: Drive up to 1A
Enable switching regulator

Disable switching regulator

Note 1: The Trace length between GL1 and Pin 48
to Pin 44,45 must be within 1 cm. The trace width from PHY_AVDD33
to Pin 44,45 should be greater than 40 mils.

Note 2: The Trace length from C56, C57
to Pin 44,45 must be within 0.5 cm. GC40 and GC41 to GL1 must be
within 0.5 cm.

Reserve for EMI

GC27, GC28 must be close to pin 15 and pin 21.

GC40 close to L1
GC39 close to pin 28

RTL8201FN/EN: C40, C41, GL1 is NC
GC33, GC38, GC35, GC37 is NC

RTL8211D/8211CN: L1 = 4.7uH
RTL8211E: L1 = 2.2uH

GC40: 22uF (X5R)
RTL8211D/8211CN: GC41, GC57 is NC
RTL8211E: GC40 4.7uF (X5R)

Reserve for 2.5V RGMII power (if MAC support 2.5V RGMII)

R80 for 3.3V RGMII
R81 for 2.5V RGMII (From 3.3-2.5V LDO)
RTL8201FN/EN: GR81 (NC) GR82 (NC)

Reserve for 2.5V RGMII power

R80 for 3.3V RGMII
R81 for 2.5V RGMII (From 3.3-2.5V LDO)
RTL8201FN/EN: GR81 (NC) GR82 (NC)

Enable switching
regulator

DISABLE switching
regulator

U10, GC09, GC08, GR122, GR120 and GR121 are only used by 8211CN/8211D/8211E
application when switching regulator is disabled. For other applications,
please remove them.