If switching charger is used:

1. R1801, R1805, C1801, C1806, L1801, U1801 are needed.
2. U303, U304 change to NC.
3. R328 change to 56m Ohm.
Note:
Leave these NC pins floating, do not connect them to GND or Power.
eMMC + LPDDR2
162 Ball, 0.5mm pitch

VDD1 = 1.8V
VDD2 = 1.20V
VDDCA = 1.2V
VDDQ = 1.0V

VDD1: Core 1

VDD2: Core

Power

1. VCC: Core Voltage 2.7v - 3.6v
2. VDD2: Core Voltage 1.1v - 1.2v (Low voltage range)

eMMC

LP-DDR2
USB HS IF

If mini-A connector insert => CD < 0V => Low
If mini-B connector insert => CD > 1.2V => High
IDPULLUP pin is replaced by 1.2V power source.

MHL POWER

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MT6589 PHONE
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