

BT: 2402-2480MHz
BLE 1M:2402-2480MHz
BLE 2M:2404-2478 MHz
2.4G WIFI:2412-2462 MHz
5G WIFI:5150-5250 MHz; 5250-5350 MHz;
5470-5725 MHz; 5725-5850 MHz

Connectivity ANT

TCXO

MT6631

LCD module

Camera Modules

CTP controller

MEMS & ALS/PS

Smart PA, Slave Charger

NFC (ST21NFCD)

NFC

A+Gyro Sensor

Keypad

Debug port

LPDDR4X (SBS)

UFS

Micro SD + hot plug

SIM1 / SIM2

MSDC 4-bit

SIM

CONN IQ

CONN ctrl

LCD IF

Camera IF

I2C

I2C

I2C

I2C

I2C

GPIOs

PERI. Device

JTAG

UART

GPIOs / EINTs

USB 2.0

EMI

UFS

MSDC1

SIM1 / SIM2

I/Q

CONN IF

LCD (MIPI DSI)

Camera (MIPI CSI)

I2C_2/4/8

I2C_0

I2C_1

I2C_6

I2C_3

SPI

SPI1

SPI2

PERIPHERAL_EN

Keypad

MSDC1/SPI Pin-MUX JTAG

EINT

USB2.0

MT8781 (SBS)

ABB

BPI, APC

RF IQ

BSI ctrl

26M_BB

26M_RF

26M_AUD

26M_RF

26M_BB

26M_WBG

26M_NFC

26M_EXT

32K_BB

LD0s

Bucks

AUD I/F

SPI

I2S

VSYS

VBAT 3.8V

VUSB

I2C

I2C_5

USB 2.0

MT6186M (LWG+LTG)

Crystal oscillator: 26MHz

CLK Ctrl

MT6366

DCX0 / TMS

LD0s

RTC

Vibrator

Bucks

Audio Speech

UMP6920

PP / Charger

RxD ANT

GSM850/PCS1900

WCDMA B2/B5

LTE B2/B4/B5/B7/B38/B41 (2535-2655MHz)

Main 1 ANT

Headset (HPL, HPR, AU_VIN1)

Receiver

AU_VIN0

SPK Driver

LCM Backlight/Gate

Backlight Driver

Gate Driver

Camera Flash

Battery

USB Type-C PL2586

12 MHz

LCM's BL

LCM_AVDD/AVEE

FLASH

VSYS

VBAT 3.8V

VUSB

I2C

I2C_5

USB 2.0

VSYS

VBAT 3.8V

VUSB

I2C

I2C_5

USB 2.0

VSYS

VBAT 3.8V

VUSB

I2C

I2C_5

USB 2.0

VSYS

VBAT 3.8V

VUSB

I2C

I2C_5