LCD

MCU

MODULE M95_QUECTEL

POWER

Comment	Description	Designator	Footprint	LibRef	Quantity
BATT-Holder	Battery holder	B1	Batt_small	BATT-Holder	1
10p	Cap, Ceramic Capacitor, 104, 10V	C1, C4, C19, C21	C2012-0805	Capacitor	4
33p	Cap, Ceramic Capacitor, 104, 10V	C2, C5	C2012-0805	Capacitor	2
10uF	Cap, Polizared Capacitor 10uF,16V	C3, C20, C43, C44	Cap SMD Tant 10u	Cap_Pol	4
104	Cap, Ceramic Capacitor, 104, 10V	C6, C16, C23, C28, C30, C31, C41, C46	C1608-0603	Capacitor	8
33pF	Cap, Ceramic Capacitor, 104, 10V	C7, C8, C9	C1608-0603	Capacitor	3
104	Cap, Ceramic Capacitor, 104, 10V	C10, C11, C12, C15, C22, C24, C25, C26, C27, C35, C36, C37	C2012-0805	Capacitor	12
22pF	Cap, Ceramic Capacitor, 104, 10V	C13, C38	C2012-0805	Capacitor	2
2.2uF	Cap, Ceramic Capacitor, 104, 10V	C14	C1206	Capacitor	1
104	Cap, Ceramic Capacitor, 104, 10V	C29	R1608-0603	Capacitor	1
10uF	Cap, Polizared Capacitor 10uF,16V	C42	Cap SMD Tant - 470u	Cap_Pol	1
104	Cap, Ceramic Capacitor, 104, 10V	C45	C1210	Capacitor	1
Sim Card Holder	Sim Card Holder	CN1	Sim card holder 1	Sim Card Holder	1
HDR1x3	Conn, Header 1x3	CN2, CN6, CN8	CON.HDR1X3	HDR1x3	3
SD Card/MMC	MMC/SD Card	CN3	mini_SDCard	SD Card/MMC	1
HDR1x4	Conn, Header 1x4	CN4, CN5	CON.HDR1X4	HDR1x4	2
HDR1x2	Conn, Header 1x2	CN7	CON.HDR1X2	HDR1x2	1
HDR1	Conn, Header 1	CN9, CN11, CN12	CON.HDR1	HDR1	3
FR307	Diode, Fast Recovery, 3A FR307	D1, D4	FR307	Diode FR307	2
1N4007	Diode, General Purpose Rectifier, 1Amp,1000V 1N4007	D2	DO-214AA,SMB	Diode 1N4007	1
Zener	Diode, Zener	D3	D1208	Diode Zener	1
FUSE	FUSE	F1	FUSE.SMD2010	FUSE	1
Domino2	Conn, 2 pins Domino Header	J1	Domino 2 - Thao roi	Domino2	1
100uH	Ind, 100uH, 20%	L3, L4	L2012-0805	Inductor	2
LED	Led, Red, SMD0805	LED2, LED3, LED4, LED5, LED6	LED.SMD0805	LED	5
C1815	BJT, Audio Freq Amplifier NPN Transistor C1815	Q1, Q2, Q3, Q4, Q5	SOT23 [C1815]	C1815	5
Value	Res, 1K,1/10W, 0805, 10%	R1, R2, R3, R32, R33	R2012-0805	Resistor	5
10k	Res, 1K,1/10W, 0805, 10%	R4, R20, R29, R36, R37, R38, R39, R41	R1608-0603	Resistor	8
1k	Res, 1K,1/10W, 0805, 10%	R5, R10, R13, R14, R15, R26, R40	R1608-0603	Resistor	7
100k	Res, 1K,1/10W, 0805, 10%	R6, R16, R17	R1608-0603	Resistor	3
0	Res, 1K,1/10W, 0805, 10%	R8	R2012-0805	Resistor	1
10k	Res, 1K,1/10W, 0805, 10%	R9, R18, R23	R2012-0805	Resistor	3
1k	Res, 1K,1/10W, 0805, 10%	R11, R25	R2012-0805	Resistor	2
100k	Resistor	R12	R2012-0805	Resistor	1
2k2	Res, 1K,1/10W, 0805, 10%	R19, R28	R2012-0805	Resistor	2
220	Res, 1K,1/10W, 0805, 10%	R21, R30	R1608-0603	Resistor	2
220	Res, 1K,1/10W, 0805, 10%	R22, R31	R2012-0805	Resistor	2
120k	Res, 1K,1/10W, 0805, 10%	R24	R1608-0603	Resistor	1
51K	Res, 1K,1/10W, 0805, 10%	R27	R1608-0603	Resistor	1
22	Res, 1K,1/10W, 0805, 10%	R34, R35	R1608-0603	Resistor	2
10,100,1K,10K	Res Array Chip,10%	RA1, RA2	Res_Array_Chip	Resister Array Chip 4xR	2
SW TACT-SPST-2	Switch, TACT-SPST-2	SW2	BUTTON_RIGHT_ANGLE	SW PUSHBUTTON-SPST-2/SM	1
LCD.LCD16x2	LCD, 2 line 16 charactors	U1	LCD connector	LCD.LCD16x2	1
24C04	IC, 2-wire Serial EEPROM 512K 24C04	U2	SOIC8	24LC04	1
PC817	Opto, High Density Opto-Coupler PC817	U3, U7, U11, U13	DIP4	PC817	4
ANTEN		U4	SOT150P320X110-3N	Component_1	1
M95		U5	QFN50P400X400X80_HS 15N	Component_1	1
RELAY_OMRON_4PIN		U6, U10	PCBComponent_1	Component_1	2
MIC29302		U8	DPAK165P1524X238-5N	Component_1	1
LM1117-3.3V	IC, 3.3V 800mA Low-Dropout Linear Regulator LM1117-3.3V	U9	TO-252	LM1117MP-3.3TR	1
Component_1		U12	PCBComponent_1	Component_1	1
STM32F103C8T6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U15	QFP48_pitch_0.5mm	STM32F103C8T6	1
32.768Khz	Osc, 32.768Khz, Tuning Forl Crystal Units (SMD-Cylinder Type)	X1	Crystal cylinder	Xtal 1	1
8MHz	Osc, 4Mhz Crystal	XT2	QC49/SMD	Xtal 2	1