	Description	Designator	Footprint	LibRef	Quantity
IPEX-U.FL-R	RF Antena	ANT1	IPEX Connector SMD	IPEX-U.FL-R	
CR2032	CR2032 Rattery	B1	CR2032-SMD-Thick	CR2032	
LED-BLUE		BOOT1, L1, L2	LED-0603-BLUE	LED-Blue	
Buzzer	Voltage Rate 5V, Current 50mA	BZ1	AST0927MW-03TRQ	Buzzer	
100nF	Ceramic Capacitor	C1, C2, C3, C4, C12, C13, C14, C18, C19, C20, C23	C0805	CAP-CER	
1uF	Ceramic Capacitor	CS, C9, C10	C0805	CAP-CER	
100uF	Ceramic Capacitor	C6	C0805	CAP-CER	
1uF	Aluminum Capacitor	C7, C8	CAP-AL-4x5.4	CAP-ALU	
10uF	Aluminum Capacitor	C11	CAP-AL-4x5.4	CAP-ALU	
100nF	Ceramic Capacitor	C15, C22	C0603	CAP-CER	
1uF	Ceramic Capacitor	C16, C21	C0603	CAP-CER	
470uF	Aluminum Capacitor	C17	CAP-AL-4x5.4	CAP-ALU	
1N4148WS	Small Signal Diode	D1, D2, D3, D4, D6, D7	SMA	1N4148WS	
Schottky Diodes	Schottky diodes	D5	SMA	Diode_Schottky	
	MF-MSMF Series - PTC		3.54	DIGGE_SCIENTY	
MF-MSMFxx	Resettable Fuses	F1	Fuse-1808	Fuse	
KEYPAD	Connector 5 Pole	H1	XH-2.54-5P	CONN-SP	
	Connector 5 08MM				
220VAC	Connector 5.08MM Pitch Vertical 2 Pole	H2	KF301-2-V	KF301-2-V	
	Connector E 00MM				
12VDC	Connector 5.08MM Pitch Vertical 2 Pole	нз	KF301-2-V	KF301-2-V	
FAN	Connector 2 Pole	H4	XH-2.54-2P	CONN-2P	
UART	Connector 4 Pole Connector 4 Pole	H5	XH-2.54-4P XH-2.54-4P	CONN-4P CONN-4P	
IIC		H6	out-Later	CONTE	
RL1	Connector 5.08MM Pitch Vertical 2 Pole	H7	KF301-2-V	KF301-2-V	
RL2	Connector 5.08MM Pitch Vertical 2 Pole	HB	KF301-2-V	KF301-2-V	
RL3	Connector 5.08MM Pitch Vertical 2 Pole	н9	KF301-2-V	KF301-2-V	
					-
RL4	Connector 5.08MM Pitch Vertical 2 Pole	H10	KF301-2-V	KF301-2-V	
1017	Blue Light Emiter Diode	101	LED-0603-BLUE	LED-Blue	
3V3	Blue Light Emiter Diode	L3	LED-0603-BLUE	LED-Blue	
		-			
S8050	NPN Transistors 0.5A Collector to Emitter 25V	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	SOT-23	S8050	
	25V	.,,,,			
560R	Resistor	R1, R3, R5, R15, R16, R33, R34, R35, R36	R0603	Resistor	
1K	Resistor	R2, R4, R6, R11, R14, R30, R37	R0603	Resistor	
10K	Resistor	R7, R8	R0805	Resistor	
		R9, R10, R19, R20,			
10K	Resistor	R9, R10, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R31, R32	R0603	Resistor	
		R29, R31, R32			
5.1K	Resistor	R12, R13		Resistor	
10R 2K2	Resistor Resistor	R17 R18	R0603 R0603	Resistor Resistor	
	Relay 4 Pin	RL1, RL2, RL3, RL4	HF-46-X	HF46F	
HF46F	1			-	
HF46F				l	
HF46F BOOT	Tactile Switch 2 pole	S1	BTN-SMD-3x6	Button-2P	
	Tactile Switch 2 pole Tactile Switch 2 pole	S1 S2	BTN-SMD-3x6 BTN-SMD-3x6	Button-2P Button-2P	
BOOT EN ANT	Tactile Switch 2 pole Test Point	S2 TP1	BTN-SMD-3x6 Test Point	Button-2P TestPoint	
BOOT EN ANT 3V3	Tactile Switch 2 pole Test Point Test Point	S2 TP1 TP2	BTN-SMD-3x6 Test Point Test Point	Button-2P TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS	Tactile Switch 2 pole Test Point Test Point Test Point Test Point	S2 TP1 TP2 TP3	BTN-SMD-3x6 Test Point Test Point Test Point Test Point	Button-2P TestPoint TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS TXD RXD	Tactile Switch 2 pole Test Point Test Point Test Point Test Point Test Point Test Point	S2 TP1 TP2 TP3 TP4 TP5	BTN-SMD-3x6 Test Point Test Point Test Point Test Point Test Point Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS TXD RRD	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6	BTN-SMD-3x6 Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS TXD RRD	Tactile Switch 2 pole Test Point Test Point Test Point Test Point Test Point Test Point	S2 TP1 TP2 TP3 TP4 TP5	BTN-SMD-3x6 Test Point Test Point Test Point Test Point Test Point Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS TXD RRD	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6	BTN-SMD-3x6 Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT 3V3 VBUS TXD RRD	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6	BTN-SMD-3x6 Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT SV3 VBUS TDD TDD TRUD SC1 SS1	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT SV3 VBUS TDD TDD TRUD SC1 SS1	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point	Button-2P TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint TestPoint	
BOOT EN ANT SV3 VBUS TDD TDD TRUD SC1 SS1	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point Lora RPMS5/96/97/	Button-2P TestPoint	
BOOT EN ANT SV3 VBUS TDD TDD TRUD SC1 SS1	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point Lora RPMS5/96/97/	Button-2P TestPoint	
BOOT EN ANT SV3 VBUS TDD TDD TRUD SC1 SS1	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point Lora RPMS5/96/97/	Button-2P TestPoint	
BOOT EN ANT SV3 V3 V8US DX0 DX0 DX0 DX0 RFN95(95(97/98	Tactile Switch 2 pole Text Point	S2 TP1 TP2 TP3 TP4 TP5 TP6 TP7	BTN-SMD-3x6 Test Point Lora RPMS5/96/97/	Button-2P TestPoint	
BOOT EN ANT SV3 V3 V8US DX0 DX0 DX0 DX0 RFN95(95(97/98	Tactile Switch 2 pole Text Point	S2 TP1 TP2 TP2 TP3 TP4 TP5 TP5 TP6 TP7 TP7	BTN-SND-2xis Text Point LOSA RFM95/96/97/ 990/	Button-2P TestPoint Module	
BOOT EN ANT 3V3 VBUS TXD RXD	Tactile Switch 2 pole Test Point	S2 TP1 TP2 TP2 TP3 TP4 TP5 TP5 TP6 TP7 TP7	BTN-SND-2xis Text Point LOSA RFM95/96/97/ 990/	Button-2P TestPoint Module	
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8000T EN MINIT 373 MINIS TO DE	Tactile Switch 2 pole Tact heet Tace hove Tace	S 1791 1792 1792 1793 1794 1795 1796 1797 1797 1797 1797 1797 1797 1797	8TN-940-36 Test Penet Sent Penet	Button-29 Tetilibret	
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