

Part	Value	Package	Description
R1	33k	805	Thick Film SMD Resistor
R2	33k	805	Thick Film SMD Resistor
R3	33k	805	Thick Film SMD Resistor
R4	33k	805	Thick Film SMD Resistor
R5	33k	805	Thick Film SMD Resistor
R6	33k	805	Thick Film SMD Resistor
R7	33k	805	Thick Film SMD Resistor
R8	33k	805	Thick Film SMD Resistor
R9	10k	805	Thick Film SMD Resistor
R10	10k	805	Thick Film SMD Resistor
R11	3k9	805	Thick Film SMD Resistor
R12	27k	805	Thick Film SMD Resistor
R13	12k	805	Thick Film SMD Resistor
R14	27k	805	Thick Film SMD Resistor
R15	10k	805	Thick Film SMD Resistor
R16	10k	805	Thick Film SMD Resistor
R17	0R0	805	Thick Film SMD Resistor
R18	39k/30k	805	Thick Film SMD Resistor, select for 5.5 or 3.2 inch display
R19	3k3	805	Thick Film SMD Resistor
R20	50R	805	Thick Film SMD Resistor
R21	920k/640k	805	Thick Film SMD Resistor, select for 5.5 or 3.2 inch display
R22	3k3	805	Thick Film SMD Resistor
R23	2k2	805	Thick Film SMD Resistor
R24	10k	805	Thick Film SMD Resistor
R25	1k5	805	Thick Film SMD Resistor
R26	10k	805	Thick Film SMD Resistor
C1	10µ/20V	SMB	Tantal SMD Capacitor
C2	10µ/20V	SMB	Tantal SMD Capacitor
C3	100n	805	Ceramic SMD Capacitor
C4	12p	805	Ceramic SMD Capacitor
C5	12p	805	Ceramic SMD Capacitor
C6	100n	805	Ceramic SMD Capacitor
C7	100n	805	Ceramic SMD Capacitor
C8	100n	805	Ceramic SMD Capacitor
C9	100n	805	Ceramic SMD Capacitor
C10	1µ0	805	Ceramic SMD Capacitor
C11	10µ/20V	SMB	Tantal SMD Capacitor
C12	100n	805	Ceramic SMD Capacitor
C13	100n	805	Ceramic SMD Capacitor
C14	100n	805	Ceramic SMD Capacitor
C15	4µ7/20V	SMB	Tantal SMD Capacitor
C16	330p	805	Ceramic SMD Capacitor
C17	100n	805	Ceramic SMD Capacitor
C18	10µ/35V	SMD	Tantal SMD Capacitor
C19	10µ/20V	SMB	Tantal SMD Capacitor
C20	1µ0	805	Ceramic SMD Capacitor
C21	1µ0	805	Ceramic SMD Capacitor
C22	100n	805	Ceramic SMD Capacitor
C23	100n	805	Ceramic SMD Capacitor
C24	100n	805	Ceramic SMD Capacitor
C25	10µ/35V	SMD	Tantal SMD Capacitor
D1	BAT54	SOD323	Schottky Diode
D2	MBRS130LT3	SMB	Schottky Power Rectifier
D3	1N4148	SOD80C	Silicium Diode, MELF
D4	1N4148	SOD80C	Silicium Diode, MELF
D5	1N4148	SOD80C	Silicium Diode, MELF
D6	1N4148	SOD80C	Silicium Diode, MELF
T1	BSS138	SOT23	N-CHANNEL MOS FET
IC1	LD1117AS33TR	SOT223	Low drop fixed positive voltage regulator 1 A
IC2	STM32F103C8	TQFP48	Medium-density performance line ARM®-based 32-bit MCU
IC3	LT1935 or LMR64010	SOT23-5	1A Step-Up Voltage Regulator
IC4	LMV7275 or LMV7271	SOT23-5	Rail-to-Rail Input Comparator, Open Drain Output
L1	22µH	Type X	SMD-Shielded Power Inductor WE-PD3
Q1	8 MHz	MQ	Quarz Xtal 7.0mm x 5mm x 1.2mm height
X1	OLED connector	FFP 30 Pin 0.5 Pitch	OLED connector 30 Pin, 0.5mm Pitch, Top contact
X2	ST-LINK	4x2,54	4 Pin Header
JP1	JP1E	2x2,54	Jumper
P1005	Panel Connector	16 Pin Connector 2,54mm	
DIS	OLED Display	connects to X1	5.5 Inch OLED Display 256 x 64, SSD1322 Controller, parallel Interface
Cable	Front to Main Board	16 Pin female two Row	two Flat Wire Connectors with apx. 200mm Flat Wire
Extension	OLED to board extension	FFP 30 Pin 0.5 Pitch + double connector	FFP length 100mm + extension board with 2 connectors