

DigiSlate+ - Bill of Materials

Reference	Value	Footprint	Qty
BT1	Battery_Cell	battery holder:BatteryHolder_ComfortableElectronic_CH273-2450_1x2450	1
C1, C2, C3, C4, C6, C12, C15, C19, C21, C22, C24, C26, C28, C30, C32, C34	100nF/50V	Capacitor_SMD:C_1206	16
C5, C7, C23, C25, C27, C29, C31, C33, C35	470uF/10V	Capacitor_Tantalum_SMD:CP_EIA-734 3-31_Kemet-D_Pad 2.25x2.55mm	9
C8, C10, C13, C17	10nF/50V	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm	4
C9, C11	220uF/25V	Capacitor_Tantalum_SMD:CP_EIA-734 3-31_Kemet-D_Pad2.25x2.55mm	2
C14, C18	100uF/10V	Capacitor_Tantalum_SMD:CP_EIA-734 3-31_Kemet-D_Pad2.25x2.55mm	2
C16, C20	220uF/10V	Capacitor_Tantalum_SMD:CP_EIA-734 3-31_Kemet-D_Pad2.25x2.55mm	2
D1, D2, D3, D4, D5, D6, D7	LED	-- mixed values --	7
D8, D14	1N4148	Diode_SMD:D_PowerDI-123	2
D9	LED_Dual_KAK	LED_THT:LED_D3.0mm-3	1
D10	SS310	Diode_SMD:D_SMA	1
D11	EXT	LED_THT:LED_D3.0mm	1
D12	5V	LED_SMD:LED_0603_1608Metric	1
D13	3V3	LED_SMD:LED_0603_1608Metric	1
DS1	WC1602A	Display:WC1602A	1
J1	Serial	Connector_JST:JST_XH_B5B-XH-AM_1x05_P2.50mm_Vertical	1
J2	USB_B	USB-B:USB_B_Lumberg_2411_02_Horizontal	1
J3	+8-24 Volt	barrel jack:DC_Power_Jack_PCB_Mounted_2.1mm	1
J4	Battery	Connector_JST:JST_XH_B2B-XH-AM_1x02_P2.50mm_Vertical	1
J6	Mains	Connector_JST:JST_XH_B2B-XH-AM_1x02_P2.50mm_Vertical	1
J7	Timecode IN	Connector_Audio:Jack_3.5mm_CUI_SJ1-3525N_Horizontal	1
J8	Timecode OUT	Connector_Audio:Jack_3.5mm_CUI_SJ1-3525N_Horizontal	1
J9	MISO	Connector_PinHeader_1.00mm:PinHeader_1x01_P1.00mm_Vertical	1
J10	IO7	Connector_PinHeader_1.00mm:PinHeader_1x01_P1.00mm_Vertical	1
JP1	charge	Jumper:SolderJumper-2_P1.3mm_Open_TrianglePad1.0x1.5mm	1
L1	68uH	Inductor_SMD:L_7.3x7.3_H3.5	1
Q1, Q2, Q4	2N2222	Package_TO_SOT_SMD:SOT-23	3

DigiSlatePlus_bom

Q3	FS8205A	Package_SO:TSSOP-8_3x3mm_P0.65mm	1
R1, R2, R3, R4, R12, R16, R26, R27, R28, R29, R30, R32, RV4	10K	-- mixed values --	13
R5, R6	4K7	Resistor_SMD:R_1206_3216Metric	2
R7, R8, R9, R10	470R	Resistor_SMD:R_1206_3216Metric	4
R11, R13, R15, R17, R31	100	Resistor_SMD:R_1206_3216Metric	5
R14	220R	Resistor_SMD:R_1206_3216Metric	1
R18, R19, R21	1K	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	3
R20	360R	Resistor_SMD:R_1206_3216Metric	1
R22	1K2	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1
R23, R24, R25	180	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	3
R33	1K8	Resistor_SMD:R_1206_3216Metric	1
R34	5K6	Resistor_SMD:R_1206_3216Metric	1
RV1, RV2, RV3	20K	Potentiometer_SMD:Potentiometer_Vishay_TS53YL_Vertical	3
SW1	RotaryEncoder-SW	rotary:RotaryEncoder_Bourns_Horizontal	1
SW2, SW3, SW4, SW5	1	Button_Switch_THT:SW_Tactile_Straight_KSA0Axx1LFTR	4
SW6	BOOT	Button_Switch_SMD:SW_Push_SPST_NO_Alps_SKRK	1
SW7	SW_DPDT_x2	Button_Switch_THT:SW_Slide_SPDT_Angled_CK_OS102011MA1Q	1
U1	ESP32-S3-WROOM-1	RF_Module:ESP32-S3-WROOM-1	1
U2	DS3231M	Package_SO:SOIC-16W_7.5x10.3mm_P1.27mm	1
U3, U4, U6, U7, U10, U16, U27, U29, U31	MAX7219	Package_SO:SOIC-24W_7.5x15.4mm_P1.27mm	9
U5, U8, U9, U11, U26, U28, U30, U32	~	FMY-12883:FMY-12883	8
U12, U13, U14, U15, U17, U18, U19, U20	SA15-11SRWA	7-segment-led:FYS-12011A	8
U21	LM2596S-ADJ	Package_TO_SOT_SMD:TO-263-5_TabPin3	1
U22	DW01A	Package_TO_SOT_SMD:SOT-23-6	1
U23	TP4056	TP4056:TP4056-42-ESOP8_TPW	1
U24	KA78M05_TO252	Package_TO_SOT_SMD:TO-252-2	1
U25	LD1117S33TR_SOT23	Package_TO_SOT_SMD:SOT-223-3_TabPin2	1