Bill of Materials

XTIDE-OLM-V2

Revision **2.0**

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No.	Quantity	Designator	Comment	Value	Part footprint	Part #	Manufacturer	Description
0	13	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C14, C15	Capacitor	100nF	0805	K104K15X7RF5TH5	Vishay Intertech	Ceramic capacitor SMD
1	2	C12, C13	Capacitor	10uF	1206	CD1H106KC9IER2F100	Dersonic	Ceramic capacitor SMD
2	1	D1	LED	15-21/R6C-FQ1R1B/2T	1206	15-21/R6C-FQ1R1B/2T	Everlight Elec	LED SMD 1206 Red
3	1	D2	LED	24-21/G6C-BM1N2L/2A	1206	24-21/G6C-BM1N2L/2A	Everlight Elec	LED SMD 1206 Green
4	1	J3	CF card socket	CFH-38690R	CF_CARD	CFH-38690R	UMAX	Compact Flash Card Socket
5	3	R1, R4, R5	Resistor	1k	0805	ERJ6GEYJ102V	Panasonic	Resistor SMD 0805
6	16	R2, R6, R7, R8, R9, R10, R11, R12, R13, R17, R18, R19, R20, R21, R22, R23	Resistor	10k	0805	ERJ6GEYJ103V	Panasonic	Resistor SMD 0805
7	1	R3	Resistor	0R	0805	AC0805FR-070RL	YAGEO	Resistor SMD 0805
8	1	R16	Resistor	470	0805	ERJ6GEYJ471V	Panasonic	Resistor SMD 0805
9	2	U1, U8	74HCT245	SN74HCT245DWR	SOIC-20	SN74HCT245DWR	Texas Instruments	8-bit 3-State Non-Inverting Bus Transceiver
10	2	U3, U4	74HCT573	74HCT573D,653	SOIC-20	74HCT573D,653	Nexperia	8-bit 3-State Non-Inverting Latch
11	2	U5, U10	74HCT688	CD74HCT688M96	SOIC-20	CD74HCT688M96	Texas Instruments	8-Bit Equality Comparator
12	1	U6	74HCT32	SN74HCT32DR	SOIC-14	SN74HCT32DR	Texas Instruments	Quadruple 2-Input Positive-OR Gate
13	2	U7, U11	74HCT04	74HCT04D,653	SOIC-14	74HCT04D,653	Nexperia	Hex Inverter with LSTTL Compatible Inputs
14	1	U9	74HCT138	SN74HCT138DR	SOIC-16	SN74HCT138DR	Texas Instruments	1-of-8 Decoder/Demultiplexer
15	1	U12	SST39SF010A	SST39SF010A-55-4I-WHE	TSOP32	SST39SF010A-55-4I-WHE	Micron Technology Inc	1Mb FLASH MEMORY