

QTY	PART	VALUE	DEVICE	DESCRIPTION	MOUSER PART NUMBER
1	C3	100uF	ULD1E101MED1TD	100µF 25V polarized capacitor, Nichicon, 10000hr, 6.5mm x 12.5mm	647-ULD1E101MED1TD
9	C1, C2, C4, C5, C7, C14, C15, C16, C28	100nF	C0805C104M5R	CAPACITOR, KEMET, MLCC, 100nf, 50V, X7R, 0805	80-C0805C104M5R
2	C9, C10	2u2	C0805C225K3P	CAPACITOR, KEMET, MLCC, 2.2uf, 25V, X5R, 0805	80-C0805C225K3P
14	C6, C18, C19, C20, C22, C23, C24, C25, C26, C27, C29, C30, C31, C33	1uF	C0805C105Z4V	CAPACITOR, KEMET, MLCC, 1uf, 16V, Y5V, 0805	80-C0805C105Z4V
4	C12, C13, C17, C21	100uF	UBT1V101MPD8	100µF 35V polarized capacitor, Nichicon, 5000hr, 10mm x 12.5mm	647-UBT1V101MPD8
2	C8, C11	1000uF	EKYB250E102MJ20S	1000µF 25V polarized capacitor, ChemiCon, 10000hr, 10mm x 20mm	661-EKYB250E102MJ20S
3	LED1, LED2, LED3	LEDCHIP_0805	150080YS75000	LED, 0805, YELLOW	710-150080YS75000
1	R2	150R	CRCW0805150RFKEA	RESISTOR, 150R, 0805, 1/8W, 1%	71-CRCW0805-150-E3
1	R8	560R	CRCW0805560RJNEA	RESISTOR, 560R, 0805, 1/8W, 5%	71-CRCW0805560RJNEA
7	R1, R2, R3, R4, R8, R9, R11	1K	CRCW08051K00FKEAC	RESISTOR, 1K, 0805, 1/8W, 1%	71-CRCW08051K00FKEAC
3	R5, R12, R13	0R	CRCW08050000Z0EAC	RESISTOR, 0R, 0805, 1/8W, 1%	71-CRCW08050000Z0EAC
2	R6, R7	2R7	CRGS0805J2R7	RESISTOR, 2.7R, 0805, 500mW, 5%	279-CRGS0805J2R7
3	R14, R15, R16	3K3	CRCW08053K30FKEAC	RESISTOR, 3.3K, 0805, 1/8W, 1%	71-CRCW08053K30FKEAC
2	R17, R18	1M	CRCW08051M00FKEA	RESISTOR, 1M, 0805, 1/8W, 1%	71-CRCW0805-1.0M-E3
15	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10, RN11, RN12, RN13, RN14, RN15	1k x 4	YC164-FR-071KL	RESISTOR ARRAY 4way, 1K, 1%, 1206	603-YC164-FR-071KL
12	RN16, RN17, RN18, RN19, RN20, RN21, RN22, RN23, RN24, RN26, RN27, RN28	1k x 4	EXB-V8V102JV	RESISTOR ARRAY 4way, 1K, 5%, 1206	667-EXB-V8V102JV
1	CLK	ECS-3225MV-480-CN-TR	ECS-3225MV-480-CN-TR	3.3Vdc 48Mhz SMD Crystal clock oscillator 3.2 mm x 2.5 mm	520-3225MV-480-CNT
1	IC1	MCP3004-I_SL	MCP3004-I_SL	A/D Converter 10Bit 4-ch 2.7V SPI SOIC14	579-MCP3004-I/SL
1	IC2	THS7314D	THS7314D	Video Amp 3-channel, SOIC8	595-THS7314D
1	U1	BA33BC0FP-E2	BA33BC0FP-E2	Voltage Regulator 3.3v positive, 1A, TO-252-3	755-BA33BC0FP-E2
1	U2	LM1117MPX1.8NOPB	V_REG_LM1117SOT223	Voltage Regulator 1.8v positive, 800ma, LM1117, SOT-223-4	926-LM1117MPX1.8NOPB
1	U3	LM4755TSX/NOPB	LM4755TSX/NOPB	LM4755 Stereo Audio Amp, 11W, TO-263-9	926-LM4755TSX/NOPB
1	U4	PCM5101	PCM5101	Stereo Audio D/A Converter	595-PCM5101APWR
1	U6	74HC08D,653	74HC08D,653	Quad 2-input AND gate, HC08	771-74HC08D-T
1	U8	10M25SAE144C8G	10M25SAE144C8G	ALTERA MAX10 FPGA 25K LE, FLASH, ANALOG	989-10M25SAE144C8G
4	U9, U10, U11, U12	SN74LV245APWR	SN74LV245APWR	Octal Bus Transceivers With 3-State Outputs	595-SN74LV245APWR
1	U13	IS61WV10248EDBLL-10TLI	IS61WV10248EDBLL-10TLI	SRAM 8M, 2.4V-3.6V, 10ns LP Async SRAM	870-61WV10EDBLL10TLI
1	U14	IS66WVH16M8ALL-166B1LI	IS66WVH16M8ALL-166B1LI	DRAM 128Mb 16Mbx8 1.8V 166MHz HyperRAM	870-WVH16M8ALL166B1LI
1	OPTIONS	SW_DIP-4	NDS-04V	DIP SWITCH, 4 Position, Diptronics	113-NDS-04V
2	RESET, USER	SWITCH	B3F-1000	OMRON TACT SWITCH 6mm x 6mm	653-B3F-1000
1	VOLUME	RK14J12A0A0K	RK14J12A0A0K	Potentiometers Dual Unit 14mm 3B insertion (2mm)	688-RK14J12A0A0K
1	J1	DM3AT-SF-PEJMS	DM3AT-SF-PEJMS	DM3 RA SMT microSD memory card push/push	798-DM3AT-SF-PEJMS
1	JTAG	5 x 2	MA05-2	PIN HEADER, 10 way	
2	BOOTSEL, UART3_3V	3 x 1	MA03-1	PIN HEADER, 3 way	
1	BUT5_6	3 x 2	MA03-2	PIN HEADER, 6 way	
1	SV2	10 x 2	MA10-2	PIN HEADER, 20 way	
1	SV3	5 x 1	MA05-1	PIN HEADER, 5 way	