

Music2xxx PCB BOM

Quantity	Designation	Designator	Notes
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Resistors

8	220	R1, R8, R9, R10, R11, R12, R13, R14	Standard 1% metal film through hole resistors
3	330	R2, R3, R4	
1	1K	R5	
1	10K	R6	

Capacitors

1	220pF	C1	Ceramic: 2.5mm lead pitch
1	47uF	C2	Electrolytic 2.5mm lead pitch
8	0.1uF	C3, C4, C5, C6, C7, C8, C9, C10	Ceramic: 2.5mm lead pitch

Diodes

1	1n4148	D5	Do-35 standard diode
3	LED	D1, D2, D3, D4	3mm LED

Integrated Circuits

2	74HCT08	IC5, IC10	
1	74HCT32	IC3	
1	74HCT74	IC1	
1	74HCT75	IC2	
1	74HCT138	IC4	
1	6N137	IC9	
3	MC6850	IC6, IC7, IC8	6850 UART – buy NOS

IC Sockets

1	8 Way	7.62mm wide	
4	14 Way	7.62mm wide	
2	16 Way	7.62mm wide	
3	24 Way	15.24mm Wide	

Connectors

4	5 Way din socket	J5, J6, J7, J8	180 degree PCB mount
1	1MHzBus1	J1	34 way (2x17) 2.54mm Straight IDC Header (optional)
1	1MHzBus2	J2	34 way (2x17) 2.54mm Angled IDC Header for 1Mhz Bus connection
2	2 Way Molex KK or similar	J3, J4	5V Power input