

spink0 Mainboard

Refs	Value	Footprint	QTY	MFR	MPN	SPR	SPN
C1	22u	raffilibkicad:CP_Elec_5x5.3	1	Panasonic	EEE-FK1C220R	Mouser	667-EEE-FK1C220R
C6	22u	raffilibkicad:CP_Elec_7.3x4.3	1	Panasonic	EEF-HX1D220R	Mouser	667-EEF-HX1D220R
C7	100n	raffilibkicad:C_0805	1	AVX	08055C104KAT2A	Mouser	581-08055C104K
C3	1u	raffilibkicad:C_0805	1	Taiyo Yuden	UMK212B7105KG-T	Mouser	963-UMK212B7105KG-T
C4;C5	33n	raffilibkicad:C_0805	2	Kemet	C0805C333K5RACTU	Mouser	80-C0805C333K5R
L1	INDUCTOR	raffilibkicad:Inductor_PSU_NLCV32T	1	TDK	NLCV32T-R10M-PFR	Mouser	810-NLCV32T-R10M-PFR
L3	6.8uH	raffilibkicad:Inductor_SRN4018TA_bourns	1	Bourns	SRN4018TA-6R8M	Mouser	652-SRN4018TA-6R8M
D2;D1	LED	raffilibkicad:LED_D3.0mm	2	Lite-On	LTL-4231N	Mouser	859-LTL-4231N
P2;P4	CONN_02X05	raffilibkicad:PINHEAD_10_pin_jtag_connect	2	Amphenol FCI	20021111-00010T4LF	Mouser	649-221111-00010T4LF
J1	PI_ZERO	raffilibkicad:PI_ZERO	1			your PI supplier	
P1	CONN_02X05	raffilibkicad:Pin_Header_Angled_2x05_Pitch	1	Amphenol FCI	649-68020-110HLF	Mouser	68020-110HLF
R16	100k	raffilibkicad:R_0805	1	Yageo	RC0805FR-07100KL	Mouser	603-RC0805FR-07100KL
R5;R6;R21;R24;R23	10k	raffilibkicad:R_0805	5	Vishay	CRCW080510K0FKEAC	Mouser	71-CRCW080510K0FKEAC
R10;R7;R9;R8;R12;R11;R13;R4;R14;R15;R17;R18	1k	raffilibkicad:R_0805	12	Vishay	CRCW08051K00FKEAC	Mouser	71-CRCW08051K00FKEAC
R22	220	raffilibkicad:R_0805	1	Bourns	CR0805-FX-2200GLF	Mouser	652-CR0805-FX2200GLF
R2	40k2	raffilibkicad:R_0805	1	Yageo	RC0805FR-0740K2L	Mouser	603-RC0805FR-0740K2L
R1	75k	raffilibkicad:R_0805	1	Vishay	CRCW080575K0FKEA	Mouser	71-CRCW0805-75K-E3
R3	7k68	raffilibkicad:R_0805	1	Yageo	RC0805FR-077K68L	Mouser	603-RC0805FR-077K68L
Q1;Q2;Q3;Q4	BC849	raffilibkicad:SOT-23	4			Mouser	771-BC849C-T/R
U1	MP1469	raffilibkicad:SOT-23-6	1	MPS	MP1469GJ-Z	Mouser	946-MP1469GJZ
U2	MCP6004	raffilibkicad:TSSOP-14_4.4x5mm_Pitch0.65n	1	Microchip Technology	MCP6004-I/ST	Mouser	579-MCP6004-I/ST
CLK_OUT1;RST_OUT1;MIDI_OUT1	JACK_QINGPU	raffilibkicad:jack_qingpu	3				
J6;J5;J8;J7	GS3	raffilibkicad:solderbridge	4				

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Refs	Value	Footprint	QTY	MFR	MPN	SPR	SPN
RUN1;TEMPO1;LENGTH1;PPQN1	LED	LEDs:LED_0805	4	Kingbright	APHCM2012CGCK-F01	Mouser	604-APHCM2012CGCK
AFF1;AFF2;AFF3;AFF4	7SEGMENTS	raffilibkicad:ACSA02_KCSA02_7segment	4	Kingbright	ACSA02-41SGWA-F01	Mouser	604-ACSA02-41SGWA
SW1	SW_PUSH_SMALL_H	raffilibkicad:APEM_tactile_SMD_switch_6mm	1	APEM	ADTSM66NV	Mouser	642-ADTSM66NV
SW2	Rotary_Encoder_Switch	raffilibkicad:ENCODER_PEC11_SMD	1	Bourns	PEC11S-929K-S0015	Mouser	652-PEC11S9215KH0015
P3;P5	CONN_02X05	raffilibkicad:PINHEAD_10_pin_jtag_connect	2	Amphenol FCI	20021111-00010T4LF	Mouser	649-221111-00010T4LF
R1;R2;R3;R4;R13;R14;R15;R16;R17;R18;R19;R20	100	raffilibkicad:R_0805	12	Yageo	RC0805FR-07100RL	Mouser	603-RC0805FR-07100RL