

## SPDIFHat

X	X	Item	Qty	Reference(s)	Value	Footprint	PN
		1	1	A1	Arduino_Nano_v3.x	Module:Arduino_Nano	
		2	1	C1	120u	Capacitor_SMD:C_Elec_6.3x5.8	647-PCH1C121MCL1GS
		3	10	C2, C3, C4, C5, C10, C11, C12, C13, C15, C18	100n	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	
		4	3	C6, C7, C8	47u	Capacitor_SMD:C_Elec_6.3x5.8	667-EEH-ZA1E470P
		5	3	C9, C14, C19	1u	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	
		6	2	C16, C17	15p	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	
		7	2	FB1, FB2	Ferrite_Bead_Small	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		8	2	H3, H4	MountingHole	MountingHole:MountingHole_2.7mm_M2.5_Pad	
		9	1	IC1	SN74LV1T34DBVRG4	Mouser:SOT95P280X145-5N	595-SN74LV1T34DBVRG4
		10	1	J2	TOTX142L	Mouser:PLR135T9	638-PLR135T9
		11	1	J3	TORX142L	Mouser:PLR135T9	638-PLR135T9
		12	2	J5, J6	Raspberry_Pi_2_3	Connector_PinHeader_2.54mm:PinHeader_2x20_P2.54mm_Vertical	
		13	1	J7	Conn_01x06	Connector_Molex:Molex_KK-254_AE-6410-06A_1x06_P2.54mm_Vertical	
		14	2	L1, L2	47uH	Inductor_SMD:L_Taiyo-Yuden_NR-24xx_HandSoldering	963-CB2518T470K
		15	5	Q1, Q2, Q3, Q4, Q5	BSS138-7-F	digikey-footprints:SOT-23-3	BSS138-FDICT-ND
		16	1	R1	47	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		17	12	R2, R3, R4, R5, R6, R7, R11, R12, R13, R14, R15, R16	10K	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		18	1	R8	100K	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		19	1	R9	10	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		20	2	R10, R23	110	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		21	1	R17	75	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		22	5	R18, R19, R20, R21, R22	33	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	
		23	3	U1, U2, U4	LD1117S33CTR	Package_TO_SOT_SMD:SOT-223-3_TabPin2	497-1241-1-ND
		24	2	U3, U5	NC7SZ125M5X	digikey-footprints:SOT-753	NC7SZ125M5XCT-ND
		25	1	U6	WM8804	Package_SO:SSOP-20_5.3x7.2mm_P0.65mm	
		26	1	Y1	12MHz Crystal	Crystal:Crystal_SMD_5032-2Pin_5.0x3.2mm_HandSoldering	