

## I2SHat

X1	X2	Item	Qty	Reference(s)	Value	Footprint
		1	1	A1	Arduino_Nano_v3.x	Module:Arduino_Nano
		2	16	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C14, C18, C20, C22, C24	100n	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
		3	3	C12, C13, C17	1u	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
		4	2	C15, C16	22p	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
		5	4	C19, C21, C23, C25	47u	Capacitor_SMD:C_Elec_6.3x5.8
		6	1	D1	SS1P3L-M3/84A	SS1P3L:SS1P3L-M3/slash_84A
		7	4	FB1, FB2, FB3, FB4	Ferrite_Bead_Small	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
		8	2	H1, H2	MountingHole	MountingHole:MountingHole_2.7mm_M2.5_Pad
		9	1	J1	TORX142L	Mouser:PLR135T9
		10	1	J2	TOTX142L	Mouser:PLR135T9
		11	1	J3	TX_RCA	Mouser:CUI_RCJ-04X
		12	1	J4	Raspberry_Pi_2_3	Connector_PinHeader_2.54mm:PinHeader_2x20_P2.54mm_Vertical
		13	1	J5	RX_RCA	Mouser:CUI_RCJ-04X
		14	3	L1, L2, L3	47uH	Inductor_SMD:L_Taiyo-Yuden_NR-24xx_HandSoldering
		15	5	Q1, Q2, Q3, Q4, Q5	BSS138	digikey-footprints:SOT-23-3
		16	10	R1, R2, R3, R5, R10, R21, R22, R23, R26, R27	33	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
		17	17	R4, R6, R9, R11, R13, R14, R15, R16, R17, R18, R19, R20, R24, R25, R28, R29, R31	10K	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
		18	1	R7	210	Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
		19	1	R8	110	Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
		20	1	R12	75	Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
		21	1	R30	100K	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
		22	2	R32, R33	110	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
		23	1	SW1	GW12RCP	Button_Switch_THT:SW_NKK_G1xJP
		24	3	U1, U3, U4	74LVC1G125DBV	digikey-footprints:SOT-753
		25	1	U2	NC7SZ157P6X	Package_TO_SOT_SMD:SOT-363_SC-70-6
		26	1	U5	74LVC1GU04DBV	digikey-footprints:SOT-753
		27	1	U6	74LV1T04DBV	digikey-footprints:SOT-753
		28	1	U7	WM8804	Package_SO:SSOP-20_5.3x7.2mm_P0.65mm
		29	1	U8	SN74LV1T34DBV	digikey-footprints:SOT-753
		30	3	U9, U10, U11	LD1117S33	Package_TO_SOT_SMD:SOT-223-3_TabPin2
		31	1	Y1	ABMM-12.000MHZ	Crystal:Crystal_SMD_7050-4Pin_7.0x5.0mm