Source:
Date:
Tool:
Generator:
Component Count:

Individual Components:

Item

Collated Components:

Item

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

C:\Users\han\Documents\github\midi-adapter-v3-hardware\pcb\kicad\bottom.kicad_sch
1/23/2022 10:12:47 PM
Eeschema (6.0.1)
C:\Program Files\KiCad\6.0\bin\scripting\plugins/bom_csv_grouped_by_value.py

34

Qty	Reference(s)
	C1
	C2
	C3
	C4
	C5
	C6
	C7
	C8
	D1
	D2
	D4
	D5
	J0
	J40
	J70
	J90
	J96
	J99
	R2
	R3
	R4
	R7
	R8
	R10
	R11
	R12
	R13
	R14
	S1
	U1
	U2
	U3
	U4
	U5

Qty	Reference(s)

4 C1, C2, C6, C8
2 C3, C4
2 C5, C7
1 D1
3 D2, D4, D5
1 J0
1 J40
1 J70
1 J90
2 J96, J99
3 R2, R3, R7
3 R4, R11, R14
1 R8
3 R10, R12, R13
1 S1
1 U1
1 U2
1 U3
1 U4
1 U5

Value	LibPart
0.1uF	Device:C
0.1uF	Device:C
1uF	Device:C
1uF	Device:C
10uF	Device:C
0.1uF	Device:C
10uF	Device:C
0.1uF	Device:C
1N914	Diode:1N914
LED	Device:LED
LED	Device:LED
LED	Device:LED
PJ-320B	poma:PJ-320B
MIDI_1_IN	Connector:DIN-5_180degree
USB_A	Connector:USB_A
MIDI_1_OUT	Connector:DIN-5_180degree
	22232041 dk_Rectangular-Connectors-Headers-Male-Pins:0022232041
	22232041 dk_Rectangular-Connectors-Headers-Male-Pins:0022232041
	220 Device:R
	220 Device:R
10K	Device:R
	220 Device:R
	470 Device:R
	50 Device:R
10K	Device:R
	50 Device:R
	50 Device:R
10K	Device:R
MOMENTARY-SWITCH-SPST-SMD-5.2MM	Switch:MOMENTARY-SWITCH-SPST-SMD-5.2MM
Teensy4.1	poma:Teensy4.1
SN74HC125N	poma:SN74HC125N
H11L1M	dk_Optoisolators-Logic-Output:H11L1M
LM1117-3.3	Regulator_Linear:LM1117-3.3
ESP32-C3-WROOM-02	poma:ESP32-C3-WROOM-02

Value	LibPart

0.1uF		Device:C
1uF		Device:C
10uF		Device:C
1N914		Diode:1N914
LED		Device:LED
PJ-320B		poma:PJ-320B
MIDI_1_IN		Connector:DIN-5_180degree
USB_A		Connector:USB_A
MIDI_1_OUT		Connector:DIN-5_180degree
	22232041	dk_Rectangular-Connectors-Headers-Male-Pins:0022232041
	220	Device:R
10K		Device:R
	470	Device:R
	50	Device:R
MOMENTARY-SWITCH-SPST-SMD-5.2MM		Switch:MOMENTARY-SWITCH-SPST-SMD-5.2MM
Teensy4.1		poma:Teensy4.1
SN74HC125N		poma:SN74HC125N
H11L1M		dk_Optoisolators-Logic-Output:H11L1M
LM1117-3.3		Regulator_Linear:LM1117-3.3
ESP32-C3-WROOM-02		poma:ESP32-C3-WROOM-02

Footprint
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
poma:3.5mm_stereo_jack_PJ320B_THRU
poma:MIDI_DIN5_NO_ATTACHEMENT
poma:TE_292303-1
poma:MIDI_DIN5_NO_ATTACHEMENT
digikey-footprints:PinHeader_1x4_P2.54mm_Drill1.02mm
digikey-footprints:PinHeader_1x4_P2.54mm_Drill1.02mm
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
poma:TACTILE_SWITCH_SMD_5.2MM
Teensy:Teensy41_poma
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-6_W7.62mm
Package_TO_SOT_SMD:SOT-223
Espressif:ESP32-C3-WROOM-02

Footprint

Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
poma:3.5mm_stereo_jack_PJ320B_THRU
poma:MIDI_DIN5_NO_ATTACHEMENT
poma:TE_292303-1
poma:MIDI_DIN5_NO_ATTACHEMENT
digikey-footprints:PinHeader_1x4_P2.54mm_Drill1.02mm
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
poma:TACTILE_SWITCH_SMD_5.2MM
Teensy:Teensy41_poma
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-6_W7.62mm
Package_TO_SOT_SMD:SOT-223
Espressif:ESP32-C3-WROOM-02

Datasheet
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http://www.vishay.com/docs/85622/1n914.pdf
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http://www.mouser.com/ds/2/18/40_c091_abd_e-75918.pdf
https://www.molex.com/pdm_docs/sd/022232041_sd.pdf
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DIP-14 Texas Instruments
http://www.onsemi.com/pub/Collateral/H11L3M-D.pdf
http://www.ti.com/lit/ds/symlink/lm1117.pdf
https://www.espressif.com/sites/default/files/documentation/esp32-c3-wroom-02_datasheet_en.pdf

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http://www.vishay.com/docs/85622/1n914.pdf

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http://www.mouser.com/ds/2/18/40_c091_abd_e-75918.pdf

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http://www.mouser.com/ds/2/18/40_c091_abd_e-75918.pdf

https://www.molex.com/pdm_docs/sd/022232041_sd.pdf

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DIP-14 Texas Instruments

http://www.onsemi.com/pub/Collateral/H11L3M-D.pdf

http://www.ti.com/lit/ds/symlink/lm1117.pdf

https://www.espressif.com/sites/default/files/documentation/esp32-c3-wroom-02_datasheet_en.pdf

Category	DK_Datasheet_Link
Connectors, Interconnects	https://www.molex.com/pdm_docs/sd/022232041_sd.pdf
Connectors, Interconnects	https://www.molex.com/pdm_docs/sd/022232041_sd.pdf
Isolators	http://www.onsemi.com/pub/Collateral/H11L3M-D.pdf
Category	DK_Datasheet_Link

Connectors, Interconnects   https://www.molex.com/pdm_docs/sd/022232041_sd.pdf

Isolators   http://www.onsemi.com/pub/Collateral/H11L3M-D.pdf

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/product-detail/en/on-semiconductor/H11L1M/H11L1-MQT-ND/284866

Description	Digi-Key_PN	Family

Description	Digi-Key_PN	Family
CONN HEADER VERT 4POS 2.54MM	WM4202-ND	Rectangular Connectors - Headers, Male Pins
CONN HEADER VERT 4POS 2.54MM	WM4202-ND	Rectangular Connectors - Headers, Male Pins
OPTOISO 4.17KV OPN COLL 6DIP	H11L1-MQT-ND	Optoisolators - Logic Output

Description	Digi-Key_PN	Family

CONN HEADER VERT 4POS 2.54MM   WM4202-ND   Rectangular Connectors - Headers, Male Pins

OPTOISO 4.17KV OPN COLL 6DIP   H11L1-MQT-ND   Optoisolators - Logic Output

Field4	Field5	Field6	Field7

None	SN74HC125N	Unavailable	Texas Instruments

Field4	Field5	Field6	Field7

None   SN74HC125N   Unavailable   Texas Instruments

Field8		MPN	Manufacturer

| | | 22232041 | Molex |
| | | 22232041 | Molex |

Quadruple Bus Buffer Gates With 3-State Outputs 14-PDIP -40 to 85

| | | H11L1M | ON Semiconductor |

Field8		MPN	Manufacturer

22232041 Molex

Quadruple Bus Buffer Gates With 3-State Outputs 14-PDIP -40 to 85

H11L1M   ON Semiconductor

Status

Active
Active

Active

Status

Active

Active