

FPGA_buffer_board_v1.2_BOM

Source: /home/andi/Andi/electronics/projects/FPGA_buffer_board/v1.2/FPGA_buffer_board.sch
Date: ven 21 mag 2021 15:11:16 CEST
Tool: Eeschema 5.1.10-88a1d61d58-88-ubuntu18.04.1
Generator: /usr/share/kicad/plugins/bom_csv_grouped_by_value_with_fp.py
Component Count: 112

Ref	Qty	Value	Cmp name	Footprint
C1,		1 100uF	CP1	Capacitor_THT:CP_Radial_D8.0mm_P5.00mm
C2,		1 10uF Tantalum	CP1	Capacitor_Tantalum_SMD:CP_EIA-3528-12_Kemet-T_Pad1.50x2.35mm_HandSolder
C3, C4,		2 10nF/short	C_Small	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
C5, C6, C7, C8, C9, C10, C11,		7 0.1uF	C_Small	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
D1,		1 error/red	LED_ALT	LED_THT:LED_D3.0mm
D2,		1 ready/green	LED_ALT	LED_THT:LED_D3.0mm
J1,		1 I2C	Conn_01x03_Male	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
J2,		1 IO8-13,SCA,SCL	Conn_01x10_Male	Connector_PinHeader_2.54mm:PinHeader_1x10_P2.54mm_Vertical
J3,		1 Arty PMOD JA	Conn_02x06_Top_Bottom	my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
J4,		1 IO34-41	Conn_01x08_Male	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
J5,		1 supply hdr	Conn_01x08_Male	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
J6,		1 analog hdr	Conn_01x04_Male	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical
J7,		1 Arty PMOD JB	Conn_02x06_Top_Bottom	my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
J8,		1 SPI	Conn_02x03_Odd_Even	my_footprints:PinHeader_2x03_P2.54mm_Vertical_SMD_PMOD
J9,		1 IO26-33	Conn_01x08_Male	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
J10,		1 IO0-7	Conn_01x08_Male	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
J11,		1 A0-A5	Conn_01x06_Male	Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Vertical
J12,		1 A6-A11	Conn_01x06_Male	Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Vertical
J13,		1 Cora PMOD JB	Conn_02x06_Top_Bottom	my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
J14,		1 Cora PMOD JA	Conn_02x06_Top_Bottom	my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
J15,		1 Arty supply jack 2.1mm	Conn_01x02_Male	TerminalBlock_TE-Connectivity:TerminalBlock_TE_282834-2_1x02_P2.54mm_Horizontal
J16,		1 +/-15V, 5V from rack	Conn_01x05_Male	Connector_JST:JST_VH_B5P-VH_1x05_P3.96mm_Vertical
J17,		1 rack bus	Conn_02x32_Row_Letter_First_MountingPin	my_footprints:rack_backplane_bus_2x32
J18,		1 clock in	Conn_Coaxial	my_footprints:SMA_RS_903-9388_EdgeMount
J19,		1 start trigger	Conn_Coaxial	my_footprints:SMA_RS_903-9388_EdgeMount
J20,		1 stop trigger	Conn_Coaxial	my_footprints:SMA_RS_903-9388_EdgeMount
J21,		1 trigger out	Conn_Coaxial	Connector_Coaxial:SMA_Amphenol_132134_Vertical
J22,		1 clock out	Conn_Coaxial	my_footprints:SMA_RS_903-9388_EdgeMount
JP1,		1 clock in (2)	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP2,		1 clock in (1)	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP3,		1 supply Arty (15V) / Cora (5V)	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP4,		1 FILTA	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP5,		1 FILTB	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP6,		1 SD2	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP7,		1 clock out source	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
JP8,		1 bus enable	SolderJumper-3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
R1, R2,		2 2.7k	R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
R3, R4,		2	0 R	Resistor_SMD:R_1206_3216Metric_Pad1.42x1.75mm_HandSolder
R5, R7,		2 open/125	R	Resistor_SMD:R_1206_3216Metric_Pad1.42x1.75mm_HandSolder
R6,		1 short/84	R	Resistor_SMD:R_1206_3216Metric_Pad1.42x1.75mm_HandSolder
R8,		1 50/84	R	Resistor_SMD:R_1206_3216Metric_Pad1.42x1.75mm_HandSolder
R9, R10, R14, R15,		4	100 R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
R11, R12, R16, R17, R18, R19, F		50 open	R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
R13,		1	200 R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
U1,		1 74LVC3G17	74LVC3G17	Package_SO:TSSOP-8_3x3mm_P0.65mm
U2,		1 LTC6957xDD-3	LTC6957xDD-3	Package_SO:MSOP-12-1EP_3x4mm_P0.65mm_EP1.65x2.85mm
U3,		1 MC10EPT20	MC10EPT20-my_Library	Package_SO:TSSOP-8_3x3mm_P0.65mm
U4, U5, U6,		3 74HCT541	74HCT541	Package_SO:SOIC-20W_7.5x12.8mm_P1.27mm