

Source:	/home/andi/Andi/electronics/projects/FPGA_buffer_board/v1.3/FPGA_buffer_board.sch		
Date:	mer 10 mar 2021 15:15:05 CET		
Tool:	Eeschema 5.1.9-73d0e3b20d~88~ubuntu18.04.1		
Generator:	/usr/share/kicad/plugins/bom_csv_grouped_by_value_with_fp.py		
Component Count:	82		
Ref	Qty	Value	Cmp name
C1,		1100uF	CP1
C2,		110uF Tantalum	CP1
C3, C4, C5, C6, C9, C10, C11, C12, C13, C14, C15, C16, C17,		13100nF	C_Small
C7, C8,		210nF/short	C_Small
D1,		1 error (red)	LED_ALT
D2,		1 ok (green)	LED_ALT
D3,		1 ext.clock (green)	LED_ALT
J1,		1I2C	Conn_01x03_Male
J2,		1 Conn_01x02	Conn_01x02
J3,		1IO8-15, IO34-41	Conn_02x08_Odd_Even
J4,		1 Conn_01x08	Conn_01x08
J5,		1 Conn_01x04	Conn_01x04
J6,		1A0-A11	Conn_02x06_Odd_Even
J7,		1 SPI	Conn_02x03_Odd_Even
J8,		1IO0-7, IO26-33	Conn_02x08_Odd_Even
J9,		1 Cora supply jack 2.1mm	Conn_01x02_Male
J10,		1 +/-15V, 5V from rack	Conn_01x05_Male
J11,		1 Cora PMOD JB	Conn_02x06_Top_Bottom
J12,		1 Cora PMOD JA	Conn_02x06_Top_Bottom
J13,		1 daugther connector 2	Conn_02x25_Odd_Even
J14,		1 rack bus	Conn_02x32_Row_Letter_First
J15,		1 daugther connector	Conn_02x25_Odd_Even
J16,		1 clock in	Conn_Coaxial
J17,		1 clock out	Conn_Coaxial
J18,		1 in_0	Conn_Coaxial
J19,		1 in_1	Conn_Coaxial
J20,		1 in_2	Conn_Coaxial
J21,		1 out_0	Conn_Coaxial
J22,		1 out_1	Conn_Coaxial
J23,		1 out_2	Conn_Coaxial
JP1,		1 strobe select	SolderJumper_3_Bridged12
JP2,		1 bus enable	SolderJumper_3_Bridged12
JP3,		1 FILTA	SolderJumper_3_Bridged12
JP4,		1 FILTB	SolderJumper_3_Bridged12
JP5,		1 SD2	SolderJumper_3_Bridged12
JP6,		1 clock out source	SolderJumper_3_Bridged12
JP7,		1 bus 2 enable	SolderJumper_3_Bridged12
R1, R2,		2	0 R
R3, R5,		2 open/120	R
R4,		1 short/82	R
R6,		1 51/82	R
R7, R8, R12, R13, R14,		5	100 R
R9, R10, R11,		3	510 R
R15, R16, R17,		3 open	R
R18, R19, R20,		3 2.2k	R
U1, U2, U3, U4, U7, U8, U9, U10,		874HCT541	74HCT541
U5,		1 LTC6957xDD-3	LTC6957xDD-3
U6,		1 MC10EPT20	MC10EPT20-my_Library
U11,		1 74LVC06	74LS07
U12,		1 74LVC3G17	74LVC3G17

Footprint
Capacitor_THT:CP_Radial_D8.0mm_P5.00mm
Capacitor_Tantalum_SMD:CP_EIA-3528-12_Kemet-T_Pad1.50x2.35mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
LED_THT:LED_D3.0mm_Horizontal_O1.27mm_Z6.0mm
LED_THT:LED_D3.0mm_Horizontal_O1.27mm_Z6.0mm
LED_THT:LED_D3.0mm_Horizontal_O1.27mm_Z6.0mm
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_2x08_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical
Connector_PinSocket_2.54mm:PinSocket_2x06_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_2x03_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_2x08_P2.54mm_Vertical
TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type011_RT05502HBWC_1x02_P5.00mm_Horizontal
Connector_JST:JST_VH_B5P-VH_1x05_P3.96mm_Vertical
my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
my_footprints:PinHeader_2x06_P2.54mm_Vertical_SMD_PMOD
Connector_PinHeader_2.54mm:PinHeader_2x25_P2.54mm_Vertical_SMD
my_footprints:rack_backplane_bus_2x32
Connector_PinHeader_2.54mm:PinHeader_2x25_P2.54mm_Vertical_SMD
my_footprints:SMA_RS_903-9388_EdgeMount
my_footprints:SMA_RS_903-9388_EdgeMount
my_footprints:SMA_RS_903-9388_EdgeMount
Connector_Coaxial:SMA_Amphenol_132134_Vertical
Connector_Coaxial:SMA_Amphenol_132134_Vertical
my_footprints:SMA_RS_903-9388_EdgeMount
Connector_Coaxial:SMA_Amphenol_132134_Vertical
Connector_Coaxial:SMA_Amphenol_132134_Vertical
Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
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Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder
Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_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
Package_SO:SOIC-20W_7.5x12.8mm_P1.27mm
Package_SO:MSOP-12-1EP_3x4mm_P0.65mm_EP1.65x2.85mm
Package_SO:TSSOP-8_3x3mm_P0.65mm
Package_SO:TSSOP-14_4.4x5mm_P0.65mm
Package_SO:TSSOP-8_3x3mm_P0.65mm