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Bill of Materials

FPGA Oscilloscope

Source Data From: FPGA-Oscilloscope.PrjPcb
Project: FPGA-Oscilloscope.PrjPcb

Variant: None

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	Comment	LibRef	Designator	Description	Quantity
1608[0603]	10uF	Cap Semi	C1, C2, C22, C23, C24, C37	Capacitor (Semiconductor SIM Model)	
1608[0603]	0.1uF	Cap Semi	C3, C4, C5, C6, C7, C8, C9, C10, C11,	Capacitor (Semiconductor SIM Model)	46
	0.101	oup com	C12, C13, C14, C15, C16, C17, C18, C19,	Capacitor (Commonidation Cilii Model)	
			C20, C21, C25, C26, C27, C28, C29, C30,		
			C31, C32, C33, C34, C35, C36, C38, C39,		
			C40, C41, C42, C43, C44, C45, C46, C47,		
			C48, C49, C50, C51, C52		
1608[0603] 1608[0603]	1uF	Cap Semi	C53	Capacitor (Semiconductor SIM Model)	1
		Cap Semi	C54, C55, C56, C57, C58, C59, C60, C61,	Capacitor (Semiconductor SIM Model)	24
			C62, C63, C64, C65, C66, C67, C68, C69,		
			C70, C71, C72, C73, C74, C75, C76, C77		
SOT-23-3	SMP1307	SMP1307-	D1, D2, D3, D4	1	4
		005LF			
HDR2X5_CE	Header 5X2A	Header 5X2A	J1	Header, 5-Pin, Dual row	
Ν _					
DIN5	PS_CONN	PS_CONN	J2	Elpac Compatible Power Supply Connector	1
-				, , , , , , , , , , , , , , , , , , , ,	
MOLEX-40	DISP_CONN	NHD-4.3-Display	J3	1	-
	1,	connector			
	1	2300.01			
MOLEX-6	TOUCH_CONN	NHD-4.3-Touch-	.14	1	
VIOLENO	100011_CONN	connector	·		
A M DO4 5510	DNO		15. 10	DNG Ct	
	BNC	BNC	J5, J6	BNC Connector	2
20x20	Playground	Playground	J7, J8	l.,	2
HDR1X3	Header 3	Header 3	JP1, JP2, JP3, JP5	Header, 3-Pin	4
TestPoint	TestPoint	TestPoint	JP4, JP6, JP7, JP8		4
HDR1X8	Header 8	Header 8	P1, P2, P3	Header, 8-Pin	3
POT-3	Potentiometer	Potentiometer	POT1, POT2		2
1608[0603]	1K	RES1	R1, R2, R9, R70, R82		5
1608[0603]	10K	RES1	R3, R4, R6, R7, R8, R10, R11, R12, R13,		76
			R14, R15, R16, R17, R18, R19, R20, R21,		
			R22, R23, R24, R25, R26, R27, R28, R29,		
			R30, R31, R32, R33, R34, R35, R36, R37,		
			R38, R39, R40, R41, R42, R43, R44, R47,		
			R48, R49, R50, R51, R52, R54, R55, R56,		
			R57, R58, R59,		
			1107, 1100, 1100,		
1608[0603]	25	RES1	R5, R74, R75	1	3
	20			1	2
1608[0603]	150	RES1	R45, R46		_
1608[0603]		RES1	R53		1
1608[0603]	887K	RES1	R67, R79		2
1608[0603]	13K	RES1	R68, R80		2
1608[0603]	1M	RES1	R69, R73, R76, R77, R81, R85, R86, R87		8
1608[0603]	100K	RES1	R71, R83		2
1608[0603]	15K	RES1	R72, R78, R84, R88		4
SPDT	mom	PVB4-MOM	SW1, SW4, SW5, SW6, SW7, SW8		6
SP3T	CL-SB-13B-02T	CL-SB-13B-02T	SW2, SW3	1	2
SPDT	latch	PVB4-LATCH	SW9, SW10		2
VR4	SW-ROTARY	SW-ROTARY	SW11, SW12, SW13, SW14, SW15	Rotary Encoder	5
SO-8	EPCS1	EPCS1	U1	Altera Serial Configuration Device	1
TSSOP48	74LVTH162245	74LVTH162245	U2, U3, U5, U6, U7, U8, U10, U16	16-Bit Bus Transceiver	8
PQFP240	EP3C25Q240	EP3C25Q240	U4	Cyclone III EP3C-25 FPGA PQFP240	1
TO-263	LM1086	LM1086	U9, U12, U13	1.5A Low Dropout Positive Regulator	3
SOT-23	ADM8316	ADM8316	U11	Analog Devices Watchdog Timer and	1
301-23	ADIVIOS 10	ADIVIOSTO	011	Reset IC	
	SST39VF020	SST39VF020	U14	Microchip 2 Mbit (256k x 8 bit) Multi-	
	3313977020	3313977020	014		
	A 0.7004004D	4.07004004D	U15	Purpose Flash	
		AS7C31024B	015	Alliance 1 Mbit (128k x 8bit) SRAM	,
8x14mm TSOP-32	AS7C31024B				
8x14mm TSOP-32 8x20mm			U17	256K x 16bit VRAM	1
8x14mm TSOP-32 8x20mm SSOP64	MSM5416283	MSM5416283			4
8x14mm TSOP-32 8x20mm SSOP64 DGN-8	MSM5416283 THS4631	THS4631	U18, U19, U22, U23		
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7	MSM5416283 THS4631 AD9288	THS4631 AD9288	U18, U19, U22, U23 U20	Dual Channel ADC	1
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551	U18, U19, U22, U23 U20 U21, U24		1 2
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8	MSM5416283 THS4631 AD9288	THS4631 AD9288	U18, U19, U22, U23 U20	Dual Channel ADC Oscillator with Active High Output Enable	1 2 1
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551	U18, U19, U22, U23 U20 U21, U24		1 2
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551	U18, U19, U22, U23 U20 U21, U24		1 2 1
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8 DIP8-4	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551 OSCOE	U18, U19, U22, U23 U20 U21, U24		1 2 1
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8 DIP8-4	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551 OSCOE	U18, U19, U22, U23 U20 U21, U24		1 2 1
8x14mm TSOP-32 8x20mm SSOP64 DGN-8 QFP24-7x7 MSOP-8 DIP8-4	MSM5416283 THS4631 AD9288 MCP4551	THS4631 AD9288 MCP4551 OSCOE	U18, U19, U22, U23 U20 U21, U24		2
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