Bill of materials for variant 3

Last Update: 2018-09-03

Pos	Qty	Type	Manufacturer Number	Description	Price 1	Total 1	Source 1
10	1	PCB		5x 100x100mm PCB	10.00 €	10.00 €	https://www.smart-prototyping.com/PCB-Pr
20	1	FPGA	XC6SLX9-2TQG144C	maps VGA/DVI to USB via DRAM buffer and passes keyboard/mouse input from master to USB HID	14.10 €	14.10 €	https://www.digikey.de/product-detail/de/xili
30	1	VGA Decoder	TVP7002PZPR	used to decode analog VGA signals from slave to digital outputs	6.65 €	6.65 €	https://www.mouser.de/ProductDetail/Texas
40	1	DVI-DA Connector	74320-9004	connection to slave	3.25 €	3.25 €	https://www.mouser.de/ProductDetail/Amph
40	1	VGA-DVI-A Adapter	17780	to connect VGA	2.29 €	2.29 €	https://www.amazon.de/InLine-Analog-Adap
50	1	128MBit DRAM (DQS)	AS4C8M16D1A-5TCN	image FIFO	1.98 €	1.98 €	https://www.mouser.de/ProductDetail/Allian
60	1	USB Bridge	FT2232HL-REEL	connection to master	5.70 €	5.70 €	https://www.mouser.de/ProductDetail/FTDI/
70	1	USB HID	FT260S-U	connection to slave	1.56 €	1.56 €	https://www.mouser.de/ProductDetail/FTDI/
80	2	USB-C Connector	10137062-00021LF	to connect master and slave	1.69 €	3.38 €	https://www.mouser.de/ProductDetail/Amph
90	2	USB-C Cable	68798-0009	to connect master and slave	5.79 €	11.58 €	https://www.mouser.de/ProductDetail/Molex
100	1	12MHz 30PPM Crystal	LFXTAL020131Bulk	clock source for USB Bridge	0.21 €	0.21 €	https://www.mouser.de/ProductDetail/ABRA
110	1						
120	1						
130	1						
140	1						
150	1						

Total: 60.70 €

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lnx-inc/XC6SLX9-2TQG144C/122-1745-ND/2339919

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