Reference	Value	description	RS code	price/item	items/pkg	items needed	item buy	price/total	
C1	100µF	Condensatore Nichicon serie SR 100µF ±20%, 16V cc, +85°C, Su foro	475-8826	0.036	5	1	5	0.18	
C10,C5-C9	100nF	Condensatore ceramico multistrato MLCC, 0603 (1608M), 100nF, ±10%, 50V cc, SMD, X7R	698-3251	0.011	100	6	100	1.1	
C2	10uF Tantalum	AVX TAJ 10µF ±20%, 16V cc, +125°C, package 1206 (3216M)	136-0190	0.06	50	1	50	3	
C3, C4	10nF	Condensatore ceramico multistrato MLCC, AEC-Q200, 0603 (1608M), 10nF, ±10%, 100V cc, SMD,	723-5017	0.003	200	2	200	0.6	
C4	10nF	see C3						0	
C5	0.1uF	see C10						0	
C6	0.1uF	see C10						0	
C7	0.1uF	see C10						0	
C8	0.1uF	see C10						0	
C9	0.1uF	see C10						0	
D1	enable/green	LED Broadcom Verde, PCB, 2,2 V, 3 mm (T-1)	813-4895	0.043	50	1	50	2.15	
J1-2,J4,J6-7	I2C	Morsetto passaparete Samtec Scheda - Scheda, 10 vie, 1 fila, passo 2.54mm	180-2051	1.42	5	1	5	7.1	
J10	IO26-33	Connettore maschio Samtec Scheda - Scheda, Filo-Scheda, 8 vie, 2 file, passo 2.54mm	161-2532	0.724	10	1	10	7.24	
J11	IO0-7	see J11						0	
J12-14, J17	A0-A5	Connettore maschio Samtec Scheda - Scheda, Filo-Scheda, 6 vie, 2 file, passo 2.54mm	161-2520	0.545	10	1	10	5.45	
J13	A6-A11	see J12						0	
J14	Cora PMOD JA(2)	see J12						0	optional
J15, J16	Cora PMOD JB	Connettore femmina per PCB Samtec Scheda-scheda serie SSW, 12 vie, 2 file, passo 2.54mm, verti	155-7885	0.931	10	4	10	9.31	
		TSW-150-08-G-D-RA, Connettore maschio Samtec Scheda - Scheda, Filo-Scheda, 100 vie, 2 file,	767-1261	7.97	1	1	0	0	much better one I found on mouser
J16	Cora PMOD JA	see J15						0	
J17	Cora PMOD JB(2)	see J12						0	
J18	Arty supply jack 2.1mm	Morsettiera per circuito stampato RS PRO a 2 vie, passo 2.54mm, Femmina, Verde	790-1098	0.586	5	1	1	0.586	
		Cavo di alimentazione, L. 1.8m, Cavo spina da 2,1 mm Senza terminazione, 12 V, 1 A	656-3816	2.48	1	1	1	2.48	
J19	+/-15V, 5V from rack	Connettore circuito stampato Molex Filo-Scheda, 5 vie, 1 fila, passo 3.96mm	679-5697	0.343	10	1	10	3.43	
J2	IO8-13,SCA,SCL	see J1						0	
J20	rack bus	Connettore DIN 41612 Harting 09031647921 64 vie Maschio, 2 file, passo 2.54mm, tipo C, classe C	406-357	1.46	1	1	0	0	check if correct! the version of mouser fits
J21-25	clock in	Connettore SMA RF Solutions serie CON Femmina, 50Ω, , montaggio su bordo PCB, a Saldare, pola	903-9388	1.468	4	5	8	11.744	maybe SMB?
J22	start trigger	see J21						0	
J23	stop trigger	see J21						0	
J24	trigger out	see J21						0	
J25	clock out	see J21						0	
J3	Arty PMOD JA	see J14						0	
J4	IO34-41	see J1						0	
J5	SPI	Connettore maschio Samtec Scheda - Scheda, Filo-Scheda, 6 vie, 2 file, passo 2.54mm	161-2520	0.545	10	1	10	5.45	optional
J6	supply hdr	see J1						0	
J7	analog hdr	see J1						0	
J8	Arty PMOD JB	see J14						0	
J9	SPI	passo 2.54mm, verticale, foro passante	155-7781	0.745	10	1	10	7.45	optional
JP1	clock in (2)	on-board solder jumper						0	
JP2	clock in (1)	on-board solder jumper						0	
JP3	supply Arty (15V) / Cora (5V)	on-board solder jumper						0	
JP4	FILTA	on-board solder jumper						0	
JP5	FILTB	on-board solder jumper						0	
JP6	SD2	on-board solder jumper						0	
JP7	clock out source	on-board solder jumper						0	
JP8	bus enable	on-board solder jumper						0	
R1	2.7k	Resistenza SMD Vishay Film spesso, 2.7kΩ, 0805 (2012M), ±1%, 0.125W, serie CRCW	679-1222	0.004	50	1	50	0.2	
R10	open							0	
R11	200	Resistenza SMD Vishay Film spesso, 200Ω, 0805 (2012M), ±1%, 0.125W, serie CRCW	679-1068	0.004	50	1	50	0.2	
R12,R13,R7,R8	100	Resistenza SMD Panasonic Film spesso, 100Ω, 0805 (2012M), ±1%, 0.125W, serie ERJ	865-4191	0.012	100	4	100	1.2	
R13	100	see R12						0	
R2	0	Resistenza SMD Vishay Film spesso, 0Ω, 1206 (3216M), ±0%, 0.5W, serie CRCW	812-1773	0.012	25	1	25	0.3	
R3	open							0	
R4	50	Resistenza SMD Vishay Film spesso, 51Ω, 1206 (3216M), ±1%, 0.25W, serie CRCW	679-2216	0.005	50	1	50	0.25	
R5	open							0	
R6	open							0	
R7	100	see R12						0	
R8	100	see R12						0	
R9	open							0	
RN1	open							0	
RN2	open							0	
RN3	open							0	
RN4	open							0	
RN5	open							0	
RN6	open							0	
U1	74LVC3G17	Buffer SN74LVC3G17DCTR, Triple canali, LVC, 1,65 → 5,5 V, SSOP, 8 Pin Sì	662-9045	0.594	5	1	5	2.97	
U2	LTC6957-3	not available from RS!						0	
U3	MC10EPT20	LVPECL, PECL 8-Pin TSSOP	908-0951	7.79	1	1	1	7.79	
U4,U5,U6	74HCT541	Driver e buffer di linea 74HCT541D,652, HCT, 3 stati, Non-invertente, SOIC, 20-Pin	103-8183	0.402	38	3	38	15.276	
U5	74HCT541	see U4						0	
U6	74HCT541	see U4						0	
								0	
mouser								0	
U2	LTC6957-3	LTC6957-3, Buffer di clock Low Phase Noise, Dual Output Buffer/Driver/Logic Converter with CMOS	584-LTC6957HMS-3#PBF	9.01	1	1	1	9.01	not available at RS
U4,U5,U6	74HCT541	SN74HCT541N, Buffers & Line Drivers Octal Buffer/Line	595-SN74HCT541N	0.576	1	3	0	0	alternative to RS if DIP socket is desired?
		IC & Component Sockets 20P DUAL WIPE DIPSKT	517-4820-3000-CP	0.576	1	3	0	0	socket for U4,U5,U6
J20	rack bus	Connettori DIN 41612 64P RA PLUG	649-860946473765E1LF	3.29	1	1	1	3.29	tested ok, maybe replace by RS version?
J15, J16	Cora PMOD JB	HMTSW-130-09-G-D-240-RA, Connettori Mezzanine scheda-scheda .100" High-Temp Variable Post	200-HMTSW13009GD240R	6.72	1	1	1	6.72	Gold, OAL=18.54mm, A=7.11mm, C=6.1mm, much better than RS version
	FPGA-board Cora-Z7-07S	Programmable Logic IC Development Tools Cora Z7: Zynq-7000 Single Core Options for ARM/FPG	424-410-370	92.66	1	1	0	0	tested ok
	FPGA-board Cora-Z7-10	Strumenti di sviluppo CI logici programmabili Cora Z7: Zynq-7000 Dual Core Options for ARM/FPG	424-410-370-1	120.74	1	1	1	120.74	more resources for future improvements
sum		prize						235.216	