

Item	Qty	Vendor P/N	Title	Detail	Mfr Name	Reference Designator	Mfr P/N
1	1	6001-200-003	PCB	Nu Horizon FX12 Card	Digilent	FX12B1	6001-200-003
2	1	A24807-ND	Socket	8 pin DIP	AMP/Tyco	IC1	2-641260-1
3	2	LTC3416EFE-ND	IC	LTC3416EFE	Linear Technology	IC2-3	LTC3416EFE
4	1	88E1111-B2-CAA1C000	IC	88E1111-B2-CAA1C000	Marvell	IC4	88E1111-B2-CAA1C000
5	1	LTC3413	IC	LTC3413EFE 3A, 2MHz Regulator		IC5	LTC3413EFE
6	1	MC74VHC1G125DFT2G	IC	Single Tri-State Buffer, SOT353-5	On Semiconductor	IC6	MC74VHC1G125DFT2G
7	1	LTC1844ES5-1.8#TR-ND	IC	LTC1844ES5-1.8	Linear Technology	IC7	LTC1844ES5-1.8
8	1	XC4VFX12-10SFF363C	IC	XC4VFX12-10SFF363C	Xilinx	IC8	XC4VFX12-10SFF363C
9	1	ICL3232EIV-20Z	IC	ICL3232EIV-20, RS232, TSSOP-20	Intersil	IC9	ICL3232EIV-20Z
10	1	LTC3418EUHF	IC	LTC3418EUHF	Linear Technology	IC10	LTC3418EUHF
11	2	IS43R16160A-6T	IC	IS43R16160A-6T	ISSI	IC11-12	IS43R16160A-6T
12	2	M29W640DB90N1T	IC	M29W640DB90N1T	ST Microelectronics	IC13-14	M29W640DB90N1T
13	1	ICS8402AY	IC	ICS8402AY, 350MHz, LVCMOS, LQFP-32	ICS	IC15	ICS8402AY
14	1	ADV7125KST50	IC	ADV7125KST50, DAC Video 3-CH 50MHz	Analog Devices	IC16	ADV7125KST50
15	1	XCF08PV048C	IC	XCF08PV048C Platform Flash	Xilinx	IC17	XCF08PV048C
16	2	520-CSM2500-18-X	Crystal	25MHz, 18pF, CSM-7	CTS Corporation	X1-2	520-CSM2500-18-X
17	3	240-1041-2-ND	Ferrite	LI0805H121R-00, 800Ma 120 ohm 0805	Fair-rite	FB1-3	LI0805H121R-00
18	1	70-IHLP2525CZER1R5M1	Inductor	IHLP2525CZER1R5M01 1.5uH	Vishay/Dale	L4	IHLP2525CZER1R5M01
19	10	490-3379-1-ND	Capacitor	10uF, Ceramic, 10%, 6.3V, X5R, 1206	Murata Electronics	C1-10	GRM31MR60J106KE19L
20	7	478-3130-1-ND	Capacitor	100uF, tantalum, 6.3V 20%, B Size	AVX Corporation	C11-17	TCJB107M006R0070
21	1	PCC2273CT-ND	Capacitor	2.2uF, ceramic, 10%, 6.3V, X5R, 0603	Panasonic - ECG	C18	ECJ-1VB0J225K
22	5	PCC2396CT-ND	Capacitor	4.7uF, ceramic, 10%, 6.3V, X5R, 0603	Panasonic - ECG	C19-23	ECJ-1VB0J475K
23	67	478-1125-1-ND	Capacitor	0.047uF, ceramic, 10%, 16V, X5R, 0402	AVX Corporation	C24, C36, C41-43, C53-60, C68-72, C75-77, C79-83, C87-95, C100, C106-108, C113, C119-121, C124, C129-131, C133, C137, C139-146, C148-155, C157, C160	0402YD473KAT2A
24	2	399-1027-1-ND	Capacitor	680pF, Ceramic, 10% 50V X7R, 0402	Kemet	C25, C29	C0402C681K5RACTU
25	9	311-1018-1-ND	Capacitor	22pF, ceramic, 5%, 50V, NP0, 0402	Yageo America	C26-28, C30, C38, C163-164, C209-210	0402CG220J9B200
26	74	445-1266-1-ND	Capacitor	0.1uF, ceramic, 10%, 6.3V, X5R, 0402	TDK Corporation	C31, C44-51, C61-64, C66-67, C73-74, C85-86, C97-99, C101-105, C110-112, C114-118, C123, C125-128, C134-136, C138, C147, C156, C158-159, C161-162, C171, C196-206, C208, C211-221	C1005X5R0J104K
27	6	PCC2393CT-ND	Capacitor	1uF, ceramic, 10%, 6.3V, X5R, 0402	Panasonic - ECG	C32-33, C37, C52, C190-191	ECJ-0EB0J105K
28	1	PCC470CQCT-ND	Capacitor	47pF, ceramic, 5%, 50V, C0G, 0402	Panasonic - ECG	C34	ECJ-0EC1H470J
29	2	PCC1725CT-ND	Capacitor	2200pF, ceramic, 10%, 50V, X7R, 0402	Panasonic - ECG	C35, C40	ECJ-0EB1H222K
30	1	PCC1709CT-ND	Capacitor	100pF, ceramic, 10%, 50V, X7R, 0402	Panasonic - ECG	C39	ECJ-0EB1H101K
31	7	490-3264-1-ND	Capacitor	0.47uF, ceramic, 10%, 10V, X5R 0402	Murata Electronics	C65, C78, C84, C96, C109, C122, C132	GRM155R61A474KE15D
32	29	399-1038-1-ND	Capacitor	0.01uF, ceramic, 10%, 16V, X7R, 0402	Kemet	C165-170, C172-189, C192-195, C207	C0402C103K4RACTU

33	5	311-10KJRCT-ND	Resistor	10K ohm, 5%, 1/16W, 0402	Yageo America	R1, R30-32, R86	RC0402JR-0710KL
34	5	311-200JRCT-ND	Resistor	200 ohm, 5%, 1/16W, 0402	Yageo America	R2, R33, R43-45	RC0402JR-07200RL
35	2	RHM270KLCT-ND	Resistor	270K ohm, 1% 1/16W, 0402	Yageo America	R3, R7	RC0402JR-07270KRL
36	1	RHM430KLCT-ND	Resistor	430K ohm, 1% 1/16W, 0402	ROHM	R4	MCR01MZPF4303
37	2	RHM200KJCT-ND	Resistor	200K ohm, 5% 1/16W, 0402	ROHM	R5, R25	MCR01MZPJ204
38	2	P5.90KLCT-ND	Resistor	5.9K ohm, 1%, 1/16W, 0402	Panasonic - ECG	R6, R26	ERJ-2RKF5901X
39	1	RHM64.9KLCT-ND	Resistor	64.9K ohm, 1% 1/16W, 0402	ROHM	R8	MCR01MZPF6492
40	1	RHM68KJCT-ND	Resistor	68K ohm, 5%, 1/16W, 0402	ROHM	R9	MCR01MZPJ683
41	1	P4.99KLCT-ND	Resistor	4.99K ohm, 1% 1/16W, 0402	Panasonic-ECG	R10	ERJ-2RKF4991X
42	4	RHM42.2KLCT-ND	Resistor	42.2K ohm, 1% 1/16W, 0402	ROHM	R11, R16, R23-24	MCR01MZPF4222
43	4	RHM100KLCT-ND	Resistor	100K ohm, 1%, 1/16W, 0402	ROHM	R12, R18, R21-22	MCR01MZPF1003
44	5	311-100JRCT-ND	Resistor	100 ohm, 5%, 1/16W, 0402	Yageo America	R13, R28, R82-83, R97	RC0402JR-07100RL
45	9	311-1.0KJRCT-ND	Resistor	1K ohm, 5%, , 1/16W, 0402	Yageo America	R14, R87, R100-106	RC0402JR-071KL
46	2	P2.00KLDKR-ND	Resistor	2.0K ohm, 1%, 1/16W, 0402	Panasonic - ECG	R15, R96	ERJ-2RKF2001X
47	1	P5.11KLCT-ND	Resistor	5.11K ohm, 1%, 1/16W, 0402	Panasonic - ECG	R17	ERJ-2RKF5111X
48	1	P309KLCT-ND	Resistor	309K ohm, 1%, 1/16, 0402	Panasonic - ECG	R19	ERJ-2RKF3093X
49	1	311-680JRCT-ND	Resistor	680 ohm, 5%, 1/16W, 0402	Yageo America	R20	RC0402JR-07680RL
50	1	RHM562KLCT-ND	Resistor	562K ohm, 1% 1/16W, 0402	ROHM	R27	MCR01MZPF5623
51	42	311-4.7KJRCT-ND	Resistor	4.7K ohm, 5%, 1/16W, 0402	Yageo America	R29, R34-38, R40, R42, R46-52, R54, R57-63, R84-85, R107-114, R181-184, R186-190	RC0402JR-074K7L
52	1	311-0.0JRCT-ND	Resistor	0.0 ohm shunt, 5%, 1/16W, 0402	Yageo America	R39, R116	RC0402JR-070RL
53	1	311-330JRCT-ND	Resistor	330 ohm, 5%, 1/16, 0402	Yageo America	R41	RC0402JR-07330RL
54	2	311-1.0MJCT-ND	Resistor	1M ohm, 5%, 1/16W, 0402	Yageo America	R53, R115	9C04021A1004JLHF3
55	12	311-49.9LRCT-ND	Resistor	49.9 ohm, 1%, 1/16W, 0402	Yageo America	R55-56, R70-77, R179-180	RC0402FR-0749R9L
56	6	P249LCT-ND	Resistor	249 ohm, 1% 1/16W, 0402	Panasonic-ECG	R64-69	ERJ-2RKF2490X
57	1	P536LCT-ND	Resistor	536 ohm, 1% 1/16W, 0402	Panasonic-ECG	R78	ERJ-2RKF5360X
58	3	311-75.0LRCT-ND	Resistor	75 ohm, 1%, 1/16W, 0402	Yageo America	R79-81	RC0402FR-0775RL
59	8	ERJ-S02F3900X-ND	Resistor	390 ohm, 1%, 0.063W, 0402	Panasonic-ECG	R88-95	ERJ-S02F3900X
60	63	RHM47JCT-ND	Resistor	47 ohm, 5%, 1/16W, 0402	ROHM	R117-178, R185	MCR01MZPJ473
61	5	101-0266-EV	Switch	PTA-143 button with grounding pad	Mountain Switch	BTN0-3, BTN5	101-0266-EV
62	2	70-IHLP2525CZER3R3M1	Inductor	IHLP2525CZER3R3M01 3.3uH	Vishay/Dale	L1, L3	IHLP2525CZER3R3M01
63	7	587-1304-2-ND	Capacitor	10uF, ceramic, 20%, 6.3V, X5R 0805	Panasonic - ECG	C222-226, C235-236	ECJ-2FBOJ106M
64	2	929955-06-ND	Jumper	Shorting Block, 100mil spacing	3M/ESD		929955-06
65	16	696-SML-LX0603IW	LED	Red, SMD, 0603 Hi Brite	Lumex	LD0-15	SML-LX0603IW-TR
66	1	CT2068-ND	Switch	DIP 8 Position, Top Slide, Unsealed	CTS Corporation	SW1	206-8
67	1	S1011E-16-ND	Connector	Header, 1x16, male, straight	Sullins	DISP1	PBC16SAAN
68	1	H10635-ND	Connector	FX2-100P-1.27DS Hirose FX connector	Hirose	J1	FX2-100P-1.27DS(71)
69	1		Connector	FastDAACs with 2x50pins	Samtec	J2	MEC8-150-02-LM-DV-A
70	1	929450-01-36-ND	Connector	Header, 1x6, male, straight	3M/ESD	J3	929450-01-36
71	1	CP-102AH-ND	Connector	Coax Power, 5.5mm x 2.1mm	CUI	J5	PJ-102AH
72	1	104952	Connector	DB-9, female, PC mount, RA	Kycon	J7	K11-E9
73	1	806-K66X-E15S-N	Connector	DB15HD, female, PC mount, RA, VGA	Kycon	J8	K66X-E15S-N
74	4	S2011E-03-ND	Connector	Header, 2x3, male, straight	Sullins	J12-15	PBC03DAAN
75	1	WM17469-ND	Connector	Header, 2x7 2mm spacing, Male straight	Sullins	J6	87831-1420
76	3	ARFX1231-ND	Connector	CONN SMA RECEPTACLE STRAIGHT	AMP/Tyco	J9-11	901-144-8RFX

77	1	HFJ11-1G01ERL	Connector	HFJ11-1G01E	Halo	J4	HFJ11-1G01ERL
78	8	587-1388-2-ND	Capacitor	100uF, ceramic, 20% 6.3V X5R, 1210	Taiyo Yuden	C237-244	JMK325BJ107MY-T
79	1	RC1602ARS-DSO-A	Display	LCD, 16x2 character, no backlight	Okaya	DISP1	PC1602D
80	4	133591	Hardware	Standoff, hex, 6-32 x 0.375	Jameco		NA
81	4	106543	Hardware	Machine screw, 6-32 x 0.250	NA		NA
82	1	IHLP2525CZER1R0M01	Inductor	IHLP2525CZER1R0M01 1.0uH	Vishay/Dale	L2	IHLP2525CZER1R0M01