ZXEvolution Revision C

RefDes	Name	Pattern	Count	Analogs			
Chips							
D1	Z84C0020FEC	QFP44X8	1	Z84C0020AEG			
D2	EP1K50QC208	PQFP208X5	<u>·</u> 1	EP1K50QI208			
D3	M29F040B	PLCC32	 1	AM29F040B			
D4	ATMEGA128	TQFP64X8	<u>·</u> 1	ATMEGA128A			
D5	KR1818VG93	DIP40	<u>·</u> 1	FDC1793, WD1793			
D6	7406	SO14	<u>·</u> 1	74F06, 74S06			
D7	7407	SO14	<u>·</u> 1	74F07, 74S07			
D8	YM2149F	DIP40	1	AY38910, WF19540			
D9	FT232RL	SSOP28	<u>·</u> 1	71100010, 111110010			
D10-D13,D17	74HCT245	SOL20	5	74AHCT245, 74ACT245			
D14	74ACT04	SO14	1	74F04			
D15	PCF8583P	DIP8, SOW8	1	PCF8583T			
D16	MAX232	SO16	<u>·</u> 1	ST232, IL232			
D18	74HCT04	SO14	<u>·</u> 1	74ACT04, 74ALS04			
D19	74HCT138	SO16	<u>·</u> 1	74ALS138, 74ACT138			
D20	CD4069	SO14	1	HEF4069, MC14069			
D21	ICS501M	SO8	<u>·</u> 1	11E1 4000, WO 14000			
D22	74HCT125	SO14	<u>·</u> 1	74ACT125			
RAM1,RAM2	MSM5118160F-JS	SOJ42	2	GM71C18160CJ, UPD4218160			
DA1	NE5532	SO8	1	SWI 101010000, 01 B4210100			
DA2	NCP1117DT-ADJ	DPACK	<u>·</u> 1	LM1117, SP1117, IL1117, K1254			
DA3	NCP1117DT-33	DPACK	<u>·</u> 1	LM1117, SP1117, IL1117, K1254			
DA4	NCP1117DT-25	DPACK	<u>·</u> 1	LM1117, SP1117, IL1117, K1254			
DA5	78M05	DPACK	<u>·</u> 1	EWITTY, OF TITY, IETTTY, ICI204			
<i>D7</i> (0	romoo	Semiconductors	•				
VT2-VT4	BC847	SOT23	3	BC846, BC848, BC849			
VD1,VD2	BAT54C	SOT23	2	20010, 20010, 20010			
VD3,VD6	Led 5mm	LED5	2				
VD4,VD5,VD7,VD8	LL4148	SOD27, SOD80	4	1N4148			
VB 1, VBO, VB1, VBO	221110	Quartz		1141110			
Q1	14Mhz	HC49, HC49U	1				
Q2	11.059Mhz	HC49, HC49U	<u>·</u> 1				
Q3	32768	DT-26T, DT-38T	<u>·</u> 1				
GC .	027 00	Ferrits	•				
L1	1uH	SMD 805,1206	1				
L2,L3	10-27 uH	CDR64B	2				
	10 27 011	Capacitors		1			
C7	6.8pF	SMD 805,1206	1				
C1,C2,C4,C5	20pF	SMD 805,1206	4				
C48,C49	750pF	SMD 805,1206	2				
C8,C58	1nF	SMD 805,1206	2				
C44	10nF	SMD 805,1206	1				
	TOTH	ONID 000, 1200	•				
C6,C10,C11,C14, C16-C24,C34,C35,							
C38-C40,C50,C55,							
C57,C69-C71,C73,							
C76-C98,C100,							
C102-C111,C113,							
C115,C116	0.1uF	SMD 805,1206	62				
C3,C9,C12,C15,							
C25-C33,C36,C37,							
C41-C43,C45-C47,	10F	Turne	07	tental canacitas			
C51-C54,C56,C74	10uF	ТуреА	27	tantal capacitor			
C13,C99,C101,	100uE	TypoP 0511D	5	aluminium tantal canacitor			
C112,C114	100uF	TypeB, 0511R	<u> </u>	aluminium, tantal capacitor			

R27,R28,R46,R47, R76-R79,R108, R109,R103	Resistors								
R76-R79,R108, R109,R163 51 SMD 805,1206 11 R139,R140,R142 75 SMD 805,1206 3 SMD 805,R206 2 R15-R18,R157-R159 100 SMD 805,1206 7 R19,R35,R127. R19,R135,R127. R19,R137-R159 100 SMD 805,1206 5 R19,R35,R127. R19,R137-R159 100 SMD 805,1206 5 R19,R35,R127. R19,R131 390 SMD 805,1206 5 R19,R35,R128. R130,R132,R165 680 SMD 805,1206 16 R5-R8,R94,R128, R130,R132,R165 680 SMD 805,1206 16 R5-R8,R94,R128, R130,R132,R165 R101,R161-R163, R160,R161 1K SMD 805,1206 27 R11,R14,R164 2K2 SMD 805,1206 3 R14,R42,R42,R42,R430,R31,R43,R135,R138, R144,R44,R42,R42,R430,R31,R36,R45,R48,R32,R43,R435,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R135,R138, R148,R141,R40,R42,R42,R40,R41,R44,R40,	R86	1	SMD 805,1206	1					
R109,R163 51	R27,R28,R46,R47,								
R138.R140,R142	R76-R79,R108,								
R87.R99 91 SMD 805,1206 2 R19.R35,R157-R159 100 SMD 805,1206 7 R19.R35,R127, R129.R131 390 SMD 805,1206 5 R87.9R65.R99.R93- R88.R94,R128, R88.R94,R128, R88.R94,R128, R87.R96,R37-R88,R97, R88.R91-R93,R96, R19.R141,R164 2K2 SMD 805,1206 3 R17.R114,R164 2K2 SMD 805,1206 3 R1-R4,R9-R12,R14, R21-R24,R30,R31, R36-R45,R48-R52, R80-R82,R72-R74, R80-R85,R98,R90, R102,R103,R118, R119.R123-R126, R13-R13,R136,R137 47K SMD 805,1206 8 R96,R97,R98,R110, R111,R120-R122, R133,R136,R137 47K SMD 805,1206 11 Connectors PWR1 THP4MR THP4MR 1 4-pin power THP4MR 1 4-pin power THP4MR 1 4-pin power THP4MR 1 A-pin power THP4MR 1	· · · · · · · · · · · · · · · · · · ·		,						
R15-R18,R157-R159 100	, ,								
R19,R35,R127, R129,R313 390 SMD 805,1206 5 R29,R66-R59,R63-R68,R68,R4,R128,R66,R68,R4,R128,R66,R68,R4,R128,R66,R68,R68,R14,R28,R66,R68,R68,R13,R20,R25,R26,R32,R34,R35,R35,R69,R70,R85,R69,R70,R816,R161,R164,R14,R64 2K2 SMD 805,1206 3 R1-R4,R9-R12,R14,R36,R118,R36-R45,R48-R52,R66,R62,R27-R24,R80-R65,R90,R91,R16,R171,R123-R126,R118,R118,R118,R118,R118,R118,R118,R11	, , , , , , , , , , , , , , , , , , ,		,						
R129,R31 390 SMD 805,1206 5 R29,R56,R59,R63-R60,R64,R129,R130,R132,R165 680 SMD 805,1206 16 R56,R63,R129,R165 680 SMD 805,1206 16 R57,R131,R20,R25,R26,R32-R34,R38-R55,R69,R70,R86,R61,R153,R160,R161 IK SMD 805,1206 27 R71,R114,R164 ZK2 SMD 805,1206 3 R71,R114,R164 ZK2 SMD 805,1206 10 R71,R114,R161 ZK2 SMD 805,1206 10 R71,R114,R161 ZK3 SMD 805,1206 8 R71,R115,R117 ZK4 SMD 805,1206 8 R71,R118,R107,R112,R113,R117 ZK4 SMD 805,1206 8 R71,R118,R107,R112,R113,R117 ZK4 SMD 805,1206 11 R71,R118,R107,R112,R113,R117 ZK4 SMD 805,1206 11 R71,R118,R107,R112,R113,R117 ZK4 SMD 805,1206 11 R71,R118,R107,R112,R113,R114,R117 ZK4 SMD 805,1206 11 R71,R118,R107,R112,R113,R114,R117 ZK4 SMD 805,1206 11 R71,R118,R107,R112,R113,R114,R115,R114,R115,R114,R115,R115,R115		100	SMD 805,1206	7					
R88.R94.R128, R132.R185	R19,R35,R127, R129,R131	390	SMD 805,1206	5					
R5-R8,R13,R20, R25-R26,R32-R34, R25-R26,R32-R34, R88-R91-R93,R96, R101,R151-R1153, R160,R161	R29,R56-R59,R63- R68,R94,R128,	600	SMD 905 1206	16					
R25,R26,R32-R34, R38-R31, R83-R55,R86, R70, R88,R91-R93,R96, R101,R151-R153, 1K SMD 805,1206 27		000	SIVID 605, 1206	10					
R21-R24,R30,R31, R36-R45,R48-R52, R60-R62,R72-R74, R80-R85,R89,R90, R102,R103,R118, R119,R123-R126, R134,R135,R138, R141	R5-R8,R13,R20, R25,R26,R32-R34, R53-R55,R69,R70, R88,R91-R93,R96, R101,R151-R153, R160,R161 R71,R114,R164		· ·						
R21-R24,R30,R31, R36-R45,R48-R52, R60-R62,R72-R74, R80-R85,R89,R90, R102,R103,R118, R119,R123-R126, R134,R135,R138, R141			,						
R104-R107,R112, R113,R116,R117 R95,R97,R98,R110, R95,R97,R98,R110, R111,R120-R122, R133,R136,R137	R21-R24,R30,R31, R36-R45,R48-R52, R60-R62,R72-R74, R80-R85,R89,R90, R102,R103,R118, R119,R123-R126, R134,R135,R138,	401/	CMD 905 1206	EG.					
R113,R116,R117 24K SMD 805,1206 8 R95,R97,R98,R110,R111,R120-R122,R133,R136,R137 47K SMD 805,1206 11 Connectors PWR1 THP4MR THP4MR 1 4-pin power PWR2 ATXPOWER MF2x10MA 1 ATX 20-pin power GB1 BAT HOLDER BH-4 1 holder for CR3032 battery XS1,XS2 SLOT 62 SL-62 2 ZXBUS slot XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M FDD34M 1 floppy drives interface X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M IDC10M 4 X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 PLS2 1 X10		10K	SMD 805,1206	56					
R111,R120-R122, R133,R136,R137	R113,R116,R117	24K	SMD 805,1206	8					
Connectors PWR1 THP4MR THP4MR 1 4-pin power PWR2 ATXPOWER MF2x10MA 1 ATX 20-pin power GB1 BAT HOLDER BH-4 1 holder for CR3032 battery XS1,XS2 SLOT 62 SL-62 2 ZXBUS slot XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M FDD34M 1 floppy drives interface X2 IDE40M 1 IDE interface X3 IDC26LPT IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 4 X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 1 X9 PLS2 PLS2 1 PS2 keyboard/mouse X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDP-6FR <t< td=""><td>R95,R97,R98,R110, R111,R120-R122, R133,R136,R137</td><td>47K</td><td>SMD 805,1206</td><td>11</td><td></td></t<>	R95,R97,R98,R110, R111,R120-R122, R133,R136,R137	47K	SMD 805,1206	11					
PWR2 ATXPOWER MF2x10MA 1 ATX 20-pin power GB1 BAT HOLDER BH-4 1 holder for CR3032 battery XS1,XS2 SLOT 62 SL-62 2 ZXBUS slot XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M 1 floppy drives interface X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 PRN interface X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 PLS4 5 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 M			Connectors						
PWR2 ATXPOWER MF2x10MA 1 ATX 20-pin power GB1 BAT HOLDER BH-4 1 holder for CR3032 battery XS1,XS2 SLOT 62 SL-62 2 ZXBUS slot XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M FDD34M 1 floppy drives interface X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 PRN interface X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 PLS2 1 X9 PLS2 PLS2 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A <td>PWR1</td> <td>THP4MR</td> <td>THP4MR</td> <td>1</td> <td>4-pin power</td>	PWR1	THP4MR	THP4MR	1	4-pin power				
XS1,XS2 SLOT 62 SL-62 2 ZXBUS slot XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M 1 floppy drives interface X2 IDE40M 1 IDE interface X3 IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 PRN interface X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in </td <td>PWR2</td> <td>ATXPOWER</td> <td>MF2x10MA</td> <td>1</td> <td></td>	PWR2	ATXPOWER	MF2x10MA	1					
XSD1 SD CARD HOLDER SDC09W4 1 SD01-AP0003 X1 FDD34M FDD34M 1 floppy drives interface X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 PRN interface X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 PLS2 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER	GB1	BAT HOLDER	BH-4	1	holder for CR3032 battery				
X1 FDD34M FDD34M 1 floppy drives interface X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 4 X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 PLS4 5 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	XS1,XS2	SLOT 62	SL-62	2	ZXBUS slot				
X2 IDE40M IDE40M 1 IDE interface X3 IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 PRN interface X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	XSD1	SD CARD HOLDER	SDC09W4	1	SD01-AP0003				
X3 IDC26LPT IDC26LPT 1 PRN interface X4,X5,X14,X19 IDC10M 4 4 X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 5 X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	X1	FDD34M	FDD34M	1	floppy drives interface				
X4,X5,X14,X19 IDC10M 4 X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5 X X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	X2	IDE40M	IDE40M	1	IDE interface				
X6 RS232 DRB9MA 1 RS232 interface X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5	X3	IDC26LPT	IDC26LPT	1	PRN interface				
X7 VGA DHR15F 1 VGA/RGB interface X8,X16-X18,X20 PLS4 5	X4,X5,X14,X19	IDC10M	IDC10M	4					
X8,X16-X18,X20 PLS4 5 X9 PLS2 1 X10 AUDIO ST-214C 1 X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	X6	RS232	DRB9MA	1	RS232 interface				
X9 PLS2 PLS2 1 X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers	X7	VGA	DHR15F	1	VGA/RGB interface				
X10 AUDIO ST-214C 1 audio out X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers Panels	X8,X16-X18,X20	PLS4	PLS4	5					
X11 DOUBLE PS2 MDD-6FR 1 PS2 keyboard/mouse X12 IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers Panels	X9	PLS2	PLS2	1					
X12 IDC20M 1 ZX keyboard/joystick X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers Panels	X10	AUDIO	ST-214C	1	audio out				
X13 MINI-USB Mini USB-A 1 USB slave X15 PLD2 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers **Panels**	X11	DOUBLE PS2	MDD-6FR	1	PS2 keyboard/mouse				
X15 PLD2 1 tape in/out X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers Panels	X12	IDC20M	IDC20M	1	ZX keyboard/joystick				
X21 RSA RSA103 1 tape in J1-J9 JUMPER PLS2 9 jumpers Panels	X13	MINI-USB	Mini USB-A	1	USB slave				
J1-J9 JUMPER PLS2 9 jumpers Panels	X15	PLD2	PLD2	1	tape in/out				
Panels	X21	RSA	RSA103	1	tape in				
Panels	J1-J9	JUMPER	PLS2	9	jumpers				
D5,D8 DIP40 PANEL SCL40 2 TRL40			Panels						
	D5,D8	DIP40 PANEL	SCL40	2	TRL40				