







Eugene Lozovoy

Sheet: Assembly

File: sizif512.kicad_pcb

Title: ZX-SIZIF-512

Size: A4 Date: 2022-10-01

KiCad E.D.A. kicad (6.0.6)

Rev: E1

Id: 1/1

Designator	Package	Value	Quantity
C1	C_Disc_D5.0mm_W2.5mm_P2.50mm	10n	1
C2	CP_Radial_D10.0mm_P5.00mm	470u/25V	1
C3, C7, C26, C28, C32, C33, C34	C_Disc_D5.0mm_W2.5mm_P2.50mm	100n	7
C4	CP_Radial_D8.0mm_P3.50mm	220u/16V	1
C5, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C27, C29	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	100n	20
C6, C44, C45, C46, C48, C51	CP_Radial_D5.0mm_P2.00mm	10u	6
C25, C30	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	100n	2
C31, C40	CP_Radial_D6.3mm_P2.50mm	220u	2
C35, C36	C_Disc_D3.8mm_W2.6mm_P2.50mm	22p	2
C37, C38, C39	C_Rect_L7.0mm_W3.5mm_P2.50mm_P5.00mm	100n	3
C41, C42	C_Disc_D5.0mm_W2.5mm_P2.50mm	4.7n	2
C43	C_Trim_D6.3mm_P5.50mm	30p	1
C47, C49	CP_Radial_D4.0mm_P2.00mm	1u	2
D1	LED_D4.0mm	LED	1
D2	Diode_Bridge_Round_D10.0mm	2W10	1
D3	D_DO-201AD_P5.08mm_Vertical_AnodeUp	1N5822	1
D4	D_DO-15_P3.81mm_Vertical_KathodeUp	1N4733A	1
D11, D15	D_DO-35_SOD27_P2.54mm_Vertical_AnodeUp	1N4148	2
F1	Fuse_1812_4532Metric_Pad1.30x3.40mm_HandSolder	0.8A	1
J1	BarrelJack_Horizontal	DS-210	1
J3, J20	PinHeader_1x06_P2.54mm_Vertical	Pin header 1x6 Pitch=2.54mm	2
J4	FFC_FPC_1x08	DS1020-08	1
J5	FFC_FPC_1x05	DS1020-05	1
J6, J19	PinHeader_1x04_P2.54mm_Vertical	Pin header 1x4 Pitch=2.54mm	2
J7	DSUB-9_Male_Horizontal_P2.77x2.84mm_EdgePinOffset4.94mm_Housed_MountingHolesOffset7.48mm	DB9-M	1
J8, J11	PinHeader_2x05_P2.54mm_Vertical	Pin header 2x5 Pitch=2.54mm	2
J9	minidin-9	Mini-DIN-9	1
J10	CUI_RCJ-01X-WIDE	RCJ-014	1
J12, J15	PJ-322	PJ-322	2
J13	PinHeader_1x10_P2.54mm_Vertical	Pin header 1x10 Pitch=2.54mm	1
J14, J17	PinHeader_2x01_P2.54mm_Vertical	Pin header 1x2 Pitch=2.54mm	2
J16	GCT-MEM2055-00-190-01-A	MEM2055-00-190-01-A	1
J18	PinHeader_2x25_P1.27mm_Edge_SMD	Pin socket 3x25 or 2xPin socket 1x25 Pitch=1.27mm H=4.6mm	1
J21	microSD_HC_Hirose_DM3D-SF	DM3D-SF	1
JP2, JP3, JP4	PinHeader_1x02_P2.54mm_Vertical	Jumper / Pin header 1x2 Pitch=2.54mm	3
L1	L_Radial_D8.7mm_P5.00mm_Fastron_07HCP	68uH/2A	1
L2	L_12x12mm_H8mm	68uH/2A	1
L3	L_Radial_D8.7mm_P5.00mm_Fastron_07HCP	220u/0.2A	1
LS1	PinHeader_1x02_P2.54mm_Vertical	Pin header 1x2 Pitch=2.54mm	1
Q1, Q2, Q3, Q4	TO-92	BC549B	4
Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12	TO-92S	2SA1175	8
Q13, Q14	TO-92	ZVN2106A	2
R1	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	3k	1
R2	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	1k	1
R3, R23	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	470	2
R4, R6, R8, R48, R49	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	470	5
R5, R57	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	47k	2
R7, R12, R20, R25, R50	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	4.7k	5
R9, R11	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	270	2
R10, R17, R22	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	1.5k	3
R13, R18, R32, R33	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	10k	4
R14, R45, R46	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	4.7k	3
R15	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	1M	1
R16, R19, R21, R24, R29, R30	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	68	6
R26, R27, R28	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	1.8k	3
R31, R34, R35, R36	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	75	4
R37, R38, R39, R40, R43, R44, R53	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	1k	7
R41, R42	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	2k	2
R47, R51	R_Axial_DIN0207_L6.3mm_D2.5mm_P2.54mm_Vertical	10k	2
R52, R54	R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	510	2
R56	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	4.7M	1
RN2	R_Array_SIP9	1k	1
RN3	R_Array_SIP9	10k	1
RV1	Potentiometer_Runtron_RM-063_Horizontal	RM063 47k	1
SW1	Molex_KK-254_AE-6410-02A_1x02_P2.54mm_Vertical	Jumper / Pin header 1x2 Pitch=2.54mm	1

SW2, SW3	SW_Tactile_SPST_Angled_PTS645Vx83-2LFS	Button THT	2
U1	TO-220-263-5_Horizontal_TabDown	LM2596T-ADJ	1
U2	SOT-223-3_TabPin2	AMS1117-3.3	1
U3, U5, U7, U10	TSSOP-20_4.4x6.5mm_P0.65mm	SN74CB3T3245PW	4
U4	DIP-40_W15.24mm_Socket	Z84C0020PEC	1
U6	LQFP-144_20x20mm_P0.5mm	EPM1270T144	1
U8	DIP-32_W15.24mm_Socket	SST39SF040	1
U9	DIP-14_W7.62mm_Socket	74HCU04	1
U11	SOIC-16W_7.5x10.3mm_P1.27mm	AD724	1
U12	DIP-32_W15.24mm_Socket	AS6C4008-55PCN	1
U13	SOIC-16_3.9x9.9mm_P1.27mm	74HCT4053D	1
U14	DIP-40_W15.24mm_Socket	AY-3-8910	1
U17	SOIC-16_3.9x9.9mm_P1.27mm	74HCT165D	1
Y1	Crystal_HC49-U_Vertical	28 MHz	1
Y2	Crystal_HC49-U_Vertical	4.433619 MHz	1