

PROJECT	2021-0248 (SWAN-F)
REVISION	5
SCHEMATIC	20210248_SWAN-F_V5
DATA	15/09/2021

Blues Inc

Item	Quantity	Reference	Part	MPN	Description	Temperature	Distributor	Type	Package	Database
1	1	CS1	CS V5 6L 35um		C S. SWAN-E F V5 (0.8x2.2x30mm HAL BL/SON/MATTE BALDQ)SR ENIG TG150 ap±1.6mm Cu(bare)±18um	TG150	WE-ONLINE			
2	1	C1	10n1Kv	C1206C103KDRACU	CHIP CAP.CER. 10nF 1000V 10% X7R 1206		FAE	SMD	CS-C-1206	28470
3	2	C2,C3	100n16V	CC0402KRX7R7B104	CHIP CAP.CER. 100nF 16V 10% X7R 0402		FAE	SMD	CS-C-0402	22452
4	1	C4	47u16V-XSR	EMK310BBJ476ML-T	CHIP CAP.CER. 47uF 16V 20% XSR 1206		FAE	SMD	CS-C-1206	38401
5	2	C5,C27	4.7u6.3V-XSR	JMK105BBJ475MV-F	CHIP CAP.CER. 4.7uF 6.3V 20% XSR 0402		FAE	SMD	CS-C-0402	32468
6	2	C6,C7	10u10V-XSR	GRM188R61A106KE9D0	CHIP CAP.CER. 10uF 10V 10% XSR 0603		FAE	SMD	CS-C-0603	28168
7	1	C8,C11,C14,C17,C20,C22,C26,C28,C30,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45	100n16V-XSR	GRM033R61C104KE8AJ	CHIP CAP.CER. 100nF 16V 10% XSR 0201 GRM033R61C104KE8AJ MURATA		FAE	SMD	CS-C-0201	48804
8	2	C9,C10	4.7u10V/XSR	CL10A475KPBNMNC	CHIP CAP.CER. 4.7uF 10V 10% XSR 0603		FAE	SMD	CS-C-0603	33362
9	2	C12,C13	10u6.3V-XSR	GRM155R60J106ME4D0	CHIP CAP.CER. 10uF 6.3V 20% XSR 0402	-55°...+85°	FAE	SMD	CS-C-0402	39310
10	2	C15,C16	100u6.3V	F930J107KAABE1	CHIP CAP.TANT. 100uF 6.3V 10% CASE A F930J107KAABE1 AVX	-55°...+125°	FAE	SMD	CS-T-A	47199
11	2	C18,C19	10u10V-XSR	GRM188R61A106KE9D0	CHIP CAP.CER. 10uF 10V 10% XSR 0603		FAE	SMD	CS-C-0603	38168
12	4	C21,C23,C29,C31	1u16V-XSR	C0402B105K016T	CHIP CAP.CER. 1uF 16V 10% XSR 0402		FAE	SMD	CS-C-0402	37485
13	2	C24,C46	10n16V-XSR	GRM033R61C103KA12D	CHIP CAP.CER. 10nF 16V 10% XSR 0201 GRM033R61C103KA12D MURATA		FAE	SMD	CS-C-0201	48805
14	2	C32,C33	4p50V-C0G	GRM033SC1H4R0B0A01D	CHIP CAP.CER. 4pF 50V ±0.1pF C0G 0201	-55°...+125°	FAE	SMD	CS-C-0201	50018
15	1	J1	10118192-0002LF	10118192-0002LF	CONN. USB F90° TIPO MICRO-B C S. 10118192-0002LF FCI SMT	-30°...+80°	FAE	SMD	J-5-0065-FOS-USB10118192-NOF	47781
16	1	J2	00820	00820	STRIP 16P MID P=2.54 00820 4UCON	-55°...+105°	4UCON 00820	THT	J-16-0254-MDT	
17	1	J3	00815	00815	STRIP 12P MID P=2.54 00815 4UCON	-55°...+105°	4UCON 00815	THT	J-12-0254-MDT	
18	1	J4	20404	20404	CONN. PH 2P M90° P=2 20404 4UCON SMT		4UCON 20404	SMD	J-2-0200-MOS-S2B	
19	1	J5	FTSH105-01-F-DV-K-P-TR	FTSH105-01-F-DV-K-P-TR	STRIP 10P MID DOUBLE ROW P=1.27 FTSH-105-01-F-DV-K-P-TR SAMTEC SMT	-55°...+125°	FAE	SMD	J-5X2-0127-MDS-FTSH105	46108
20	1	LD1	SML-P12WTT86R	SML-P12WTT86R	YELLOW LED DIODE SML-P12WTT86R ROHM 0402 SMT	-40°...+85°	FAE	SMD	LD-0402	50019
21	1	LD2	SML-P12U2T786R	SML-P12U2T786R	RED LED DIODE SML-P12U2T786R ROHM 0402 SMT	-40°...+85°	FAE	SMD	LD-0402	37804
22	1	L1	1285AS-H-2R2M-P2	1285AS-H-2R2M-P2	INDUCTOR 2.2uH 1.5A 20% 0806 1285AS-H-2R2M-P2 MURATA SMT	-40°...+85°	FAE	SMD	LS-0806	42807
23	1	L2	XFL4020-222MEC	XFL4020-222MEC	INDUCTOR 2.2 uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-XFL4020	42400
24	1	L3	XFL4020-152MEC	XFL4020-152MEC	INDUCTOR 1.5 uH 4.1A 20% 4X4 XFL4020-152MEC COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-XFL4020	40355
25	3	PB1,PB2,PB3	PB-SKRPADE010	SKRPADE010	BUTTON 16V 0.5A 4.2X3.2 SPST SKRPADE010 ALPS SMT	-20°...+70°	FAE	SMD	PB-SKRPA	39130
26	1	Q1	DMN62DOUW-7	DMN62DOUW-7	TRANSISTOR MOSFET N DMN62DOUW-7 SOT-323 DIODES SMT	-55°...+150°	FAE	SMD	SOT323	41196
27	1	R1	1M	CRCW12061M00FKTABIC	CHIP RES. 1M 1206 14W 1%		FAE	SMD	RS-1206	28863
28	2	R2,R24	10M	RK73AHHTC1005P	CHIP RES. 10M 0201 1/20W 1%	-55°...+125°	FAE	SMD	RS-0201	37017
29	2	R4,R38	0R	RC0603JR-0709RL	CHIP RES. 0R 0603 1/16W 1%	-55°...+150°	FAE	SMD	RS-0603	15541
30	2	R5,R27	1k	CRCW02011K00FNED	CHIP RES. 1K 0201 1/20W 1%		FAE	SMD	RS-0201	39325
31	1	R6	1M	RC0201FR-071ML	CHIP RES. 1M 0201 1/20W 1%		FAE	SMD	RS-0201	36900
32	1	R7	2.9k	CRCW02012K90FKED	CHIP RES. 2K9 0201 1/20W 1% 100PPM/°C	-55°...+125°		SMD	RS-0201	
33	1	R8	1k	RC0402FR-071KL	CHIP RES. 1K 0402 1/16W 1%	-55°...+150°	FAE	SMD	RS-0402	25126
34	1	R9	82k	CRCW020182K0FKED	CHIP RES. 82K 0201 1/20W 1% 100PPM/°C	-55°...+125°	FAE	SMD	RS-0201	50021
35	1	R11	180k	MR02X1803FAL	CHIP RES. 180K 0201 1/20W 1% 100PPM/°C	-55°...+125°	FAE	SMD	RS-0201	50022
36	10	R12,R28,R29,R30,R31,R37,R40,R41,R42,R43	10k	MC0201L6F100ZSE	CHIP RES. 10K 0201 1/20W 1%		FAE	SMD	RS-0201	37016
37	1	R13	8.2M	CRCW02018M20FNED	CHIP RES. 8M2 0201 1/20W 1% 100PPM/°C	-55°...+125°		SMD	RS-0201	
38	1	R39	4.3M	RK73H1HTC4304F	CHIP RES. 4M3 0201 1/20W 1% 100PPM/°C	-55°...+125°		SMD	RS-0201	
39	1	TVS1	SM6T6V8A	SM6T6V8A	DIODE TVS TRANSIL UNIDIR. 600V 6.8V SM6T6V8A SMB SMT		FAE	SMD	SMB	14165
40	2	TVS2,TVS3	ESD523.3T1G	ESD523.3T1G	DIODE TVS TRANSIL UNIDIR. 158W 14.1V ESD523.3T1G SOD-523 SMT	-55°...+150°	FAE	SMD	SOD523	40424
41	1	U1	TPS62748YFPT	TPS62748YFPT	I.C. DC/DC CONVERTER TPS62748YFPT TEXAS DS8GA8 SMT	-40°...+85°	FAE	SMD	XF8GA8	42813
42	1	U2	TPS63020DSJR	TPS63020DSJR	I.C. DC/DC CONVERTER TPS63020DSJR TEXAS VSON14 SMT	-40°...+85°	FAE	SMD	IC-TPS6302x	42016
43	1	U3	MCP73831-2ACIMC	MCP73831-2ACIMC	I.C. BATTERY MANAGEMENT MCP73831-2ACIMC MICROCHIP DFN6 SMT	-40°...+85°	FAE	SMD	VDFDN6-EXP	36957
44	1	U4	MAX1722SELT	MAX1722SELT+T	I.C. DC/DC CONVERTER MAX1722SELT+T MAXIM W-DFN6 SMT	-40°...+85°	FAE	SMD	WDFN6-0200X0200	42404
45	1	U5	AP2139AK-3.3TRG1	AP2139AK-3.3TRG1	I.C. LDO AP2139AK-3.3TRG1 DIODES SOT23-5 SMT	-40°...+85°	FAE	SMD	SOT23-5	42017
46	1	U6	STM32L4R5ZY6	STM32L4R5ZY6	I.C. STM32L455ZY6 ST WLCSP144 SMT	-40°...85°	FAE	SMD	WLCSP144	44626
47	6	U7,U8,U9,U10,U12,U13	MAX40203ANS+T	MAX40203ANS+	I.C. IDEAL DIODE MAX40203ANS+ MAXIM WLP4 SMT	-40°...+125°	FAE	SMD	WLBGA4	50025
48	1	Y1	ABS06-107-32.768KHZ-T	ABS06-107-32.768KHZ-T	CRYSTAL 32.768KHz 4pF 20ppm D=2x1.2 ABS06-107-32.768KHZ-T ABRACON SMT	-40°...+85°	FAE	SMD	Y-ABS06	42406

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NOT MOUNTED

1	2	RID1,RID2	TPS		FIDUCIAL		FAE	SMD	FIDUCIAL	
2	64	PAD1,PAD2,PAD3,PAD4,PAD5,PAD6,PAD7,PAD8,PAD9,PAD10,PAD11,PAD12,PAD13,PAD14,PAD15,PAD16,PAD17,PAD18,PAD19,PAD20,PAD21,PAD22,PAD23,PAD24,PAD25,PAD26,PAD27,PAD28,PAD29,PAD30,PAD31,PAD32,PAD33,PAD34,PAD35,PAD36,PAD37,PAD38,PAD39,PAD40,PAD41,PAD42,PAD43,PAD44,PAD45,PAD46,PAD47,PAD48,PAD49,PAD50,PAD51,PAD52,PAD53,PAD54,PAD55,PAD56,PAD57,PAD58,PAD59,PAD60,PAD61,PAD62,PAD63,PAD64	TPS	CASTELLATED EDGE VIAS			FAE	THT	PAD-THT-CAS-0050	
3	1	R3	NU	RC0603JR-0709RL	CHIP RES. 0R 0603 1/16W 1%	-55°...+150°	FAE	SMD	RS-0603	15541
4	1	R25	NU	MC0201L6F100ZSE	CHIP RES. 10K 0201 1/20W 1%		FAE	SMD	RS-0201	37016