

Tabelle2

supplier ref	Description	Designator
	Switch, Subminiature Side	B1
80-C1206C104M5R	Capacitor (Semiconductor	C1
80-C1206C104M5R	Capacitor (Semiconductor	C2
80-C1206C105Z4V	Capacitor (Semiconductor	C3
80-C1206C105Z4V	Capacitor (Semiconductor	C4
80-C1206C104M5R	Capacitor (Semiconductor	C5
80-C1206C104M5R	Capacitor (Semiconductor	C6
80-C1206C104M5R	Capacitor (Semiconductor	C7
80-C1206C105Z4V	Capacitor (Semiconductor	C8
80-C1206C104M5R	Capacitor (Semiconductor	C9
80-C1206C104M5R	Capacitor (Semiconductor	C10
80-C1206C104M5R	Capacitor (Semiconductor	C11
80-C1206C104M5R	Capacitor (Semiconductor	C12
80-C1206C104M5R	Capacitor (Semiconductor	C13
80-C1206C104M5R	Capacitor (Semiconductor	C14
80-C1206C104M5R	Capacitor (Semiconductor	C15
603-CC126ZRY5V6BB47	Capacitor (Semiconductor	C16
80-C1206C104M5R	Capacitor (Semiconductor	C17
80-C1206C104M5R	Capacitor (Semiconductor	C18
74-TMCMA0J107MTRF	Polarized Capacitor (Surf	C19
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C20
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C21
603-C1206KRX7R9BB33	Capacitor (Semiconductor	C22
603-C1206KRX7R9BB33	Capacitor (Semiconductor	C23
74-TMCMA0J107MTRF	Polarized Capacitor (Surf	C24
74-TMCMA0J107MTRF	Polarized Capacitor (Surf	C25
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C26
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C27
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C28
603-CC126ZRY5V6BB10	Capacitor (Semiconductor	C29
603-CC126KRNPO0BN47	Capacitor (Semiconductor	C30
603-CC126KRNPO0BN47	Capacitor (Semiconductor	C31
603-CC126KRNPO0BN47	Capacitor (Semiconductor	C32
80-C1206C103M1R	Capacitor (Semiconductor	C33
603-CC126JRX7R0BB68	Capacitor (Semiconductor	C34
80-C1206C104M5R	Capacitor (Semiconductor	C35
80-C1206C101J1G	Capacitor (Semiconductor	C36
581-12061A6R0CAT2A	Capacitor (Semiconductor	C37
80-C1206C104M5R	Capacitor (Semiconductor	C38
581-12061A6R0CAT2A	Capacitor (Semiconductor	C39
80-C1206C104M5R	Capacitor (Semiconductor	C40
80-C1206C104M5R	Capacitor (Semiconductor	C41
80-C1206C104M5R	Capacitor (Semiconductor	C42
80-C1206C104M5R	Capacitor (Semiconductor	C43
863-MBRS320T3G	Schottky Diode	D1
863-MBRS320T3G	Schottky Diode	D2
941-JE2835W00A0HG94	Typical BLUE SiC LED	D3
941-JE2835W00A0HG94	Typical BLUE SiC LED	D4
941-JE2835W00A0HG94	Typical BLUE SiC LED	D5
941-JE2835W00A0HG94	Typical BLUE SiC LED	D6
667-ETQ-P5M220YFC	Magnetic-Core Inductor w	L1

Tabelle2

667-ETQ-P5M220YFC	Magnetic-Core Inductor w	L2
	Header, 4-Pin	P1
	Header, 5-Pin, Dual row	P2
	Header, 3-Pin	P3
	Header, 8-Pin, Dual row	P4
	Header, 8-Pin, Dual row	P5
	Header, 8-Pin, Dual row	P6
	Header, 8-Pin, Dual row	P7
	Header, 2-Pin	P8
	Resistor	R1
	Resistor	R2
	Resistor	R3
	Resistor	R3.3V
	Resistor	R4
	Resistor	R5
	Resistor	R6
	Resistor	R7
	Resistor	R8
	Resistor	R9
756-GWCR0603-10KFT5	Resistor	R10
756-GWCR0603-10KFT5	Resistor	R11
756-GWCR0603-10KFT5	Resistor	R12
756-GWCR0603-10KFT5	Resistor	R13
756-GWCR0603-10KFT5	Resistor	R14
756-GWCR0603-10KFT5	Resistor	R15
652-CR0603FX-11R0ELF	Resistor	R16
652-CR0603FX-11R0ELF	Resistor	R17
652-CR0603FX-1651ELF	Resistor	R18
652-CR0603FX-1651ELF	Resistor	R19
652-CR0603FX-3831ELF	Resistor	R20
652-CR0603FX-6341ELF	Resistor	R21
652-CR0603FX-4220ELF	Resistor	R22
652-CR0603FX-6980ELF	Resistor	R23
	Resistor	R24
652-CR0603FX-1001ELF	Resistor	R25
756-GWCR0603-10KFT5	Resistor	R26
652-CR0603FX-1001ELF	Resistor	R27
652-CR0603FX-1001ELF	Resistor	R28
	Resistor	R29
652-CR0603FX-1001ELF	Resistor	R30
	Resistor	R31
	Resistor	R32
652-CR0603FX-54R9ELF	Resistor	R33
756-GWCR0603-100RFT	Resistor	R34
652-CR0603FX-54R9ELF	Resistor	R35
756-GWCR0603-100RFT	Resistor	R36
652-CR0603FX-54R9ELF	Resistor	R37
756-GWCR0603-100RFT	Resistor	R38
652-CR0603FX-54R9ELF	Resistor	R39
756-GWCR0603-100RFT	Resistor	R40
652-CR0603FX-54R9ELF	Resistor	R41
756-GWCR0603-100RFT	Resistor	R42
652-CR0603FX-54R9ELF	Resistor	R43

Tabelle2

756-GWCR0603-100RFT	Resistor	R44
	Resistor	RBat
511-STM32F401RBT6	ARM Cortex-M4 32-bit MCU	U1
511-LIS3MDLTR	Magnetic sensor MEMS (3	U2
511-LIS3MDLTR	Magnetic sensor MEMS (3	U3
511-LIS3MDLTR	Magnetic sensor MEMS (3	U4
511-LSM6DSLTR	Accelerometer + Gyro MEMS (6	U5
511-LSM6DSLTR	Accelerometer + Gyro MEMS (6	U6
511-LSM6DSLTR	Accelerometer + Gyro MEMS (6	U7
511-L293DD	Push-Pull Four Channel D	U8
595-TPS54383PWPR		U9
782-TCLT1104	5 Pin Mini Flat Pack Optocoupler	U10
782-TCLT1105	5 Pin Mini Flat Pack Optocoupler	U11
782-TCLT1106	5 Pin Mini Flat Pack Optocoupler	U12
782-TCLT1107	5 Pin Mini Flat Pack Optocoupler	U13
782-TCLT1108	5 Pin Mini Flat Pack Optocoupler	U14
782-TCLT1109	5 Pin Mini Flat Pack Optocoupler	U15
-	Jumper Wire	W1
449-LFXTAL009709BULK	Crystal Oscillator	X1

Tabelle3

Designator	Value	price
B1		0
C1	100nF	0,102
C2	100nF	0,102
C3	1uF	0,204
C4	1uF	0,204
C5	100nF	0,102
C6	100nF	0,102
C7	100nF	0,102
C8	1uF	0,204
C9	100nF	0,102
C10	100nF	0,102
C11	100nF	0,102
C12	100nF	0,102
C13	100nF	0,102
C14	100nF	0,102
C15	100nF	0,102
C16	4.7uF	0,272
C17	100nF	0,102
C18	100nF	0,102
C19	100uF	0,45 €
C20	10uF	0,306
C21	10uF	0,306
C22	33nF	0,221
C23	33nF	0,221
C24	100uF	0,45 €
C25	100uF	0,45 €
C26	10uF	0,306
C27	10uF	0,306
C28	10uF	0,306
C29	10uF	0,306
C30	470pF	0,204
C31	470pF	0,204
C32	470pF	0,204
C33	10nF	0,153
C34	6.8nF	0,196
C35	100nF	0,102
C36	100pF	0,153
C37	6pF	0,289
C38	100nF	0,102
C39	6pF	0,289
C40	100nF	0,102
C41	100nF	0,102
C42	100nF	0,102
C43	100nF	0,102
D1		0,434
D2		0,434
D3		0,085
D4		0,085
D5		0,085
D6		0,085
L1	22uH	1,4

Tabelle3

L2	22uH	1,4
P1		0
P2		0
P3		0
P4		0
P5		0
P6		0
P7		0
P8		0
R1	0	0
R2	0	0
R3	0	0
R3.3V	0	0
R4	0	0
R5	0	0
R6	0	0
R7	0	0
R8	0	0
R9	0	0
R10	10K	0,085
R11	10K	0,085
R12	10K	0,085
R13	10K	0,085
R14	10K	0,085
R15	10K	0,085
R16	10	0,085
R17	10	0,085
R18	20K	0,085
R19	20K	0,085
R20	3.83K	0,085
R21	6.34K	0,085
R22	422	0,085
R23	698	0,085
R24	0	0
R25	1k	0,085
R26	10k	0,085
R27	1k	0,085
R28	1k	0,085
R29	0	0
R30	1k	0,085
R31	0	0
R32	0	0
R33	55	0,085
R34	100	0,085
R35	55	0,085
R36	100	0,085
R37	55	0,085
R38	100	0,085
R39	55	0,085
R40	100	0,085
R41	55	0,085
R42	100	0,085
R43	55	0,085

Tabelle3

R44	100	0,085
RBat	0	0
U1		4,53
U2	LIS3MDL	1,38
U3	LIS3MDL	1,38
U4	LIS3MDL	1,38
U5	LSM6DSL	3,38
U6	LSM6DSL	3,38
U7	LSM6DSL	3,38
U8		3,26
U9		2,15
U10		0,67
U11		0,67
U12		0,67
U13		0,67
U14		0,67
U15		0,67
W1		0
X1		0,289
	TOTAL	43,416