

### 3.7 Bill Of Material

Bill of material		Blue5	Bom Rev : RedB_010119_03	PCB: Blue5 P1A		
Reference	Value	Qty	Manufacturer	Description	COMMENT	PACKAGE
U8	Telecom Lund - RedBeard-01	1	Telecom Lund AB	BT-antenna integrated with PCB		
C10	27pF	1		SMD Capacitor		0402
C12	27pF	1		SMD Capacitor		0402
C38	Not mounted	1		SMD Capacitor		0402
C39	Not mounted	1		SMD Capacitor		0402
C40	Not mounted	1		SMD Capacitor		0402
C1	100n	1		SMD Capacitor		0603
C2	100n	1		SMD Capacitor		0603
C3	100n	1		SMD Capacitor		0603
C4	100n	1		SMD Capacitor		0603
C5	100n	1		SMD Capacitor		0603
C6	100n	1		SMD Capacitor		0603
C7	100n	1		SMD Capacitor		0603
C14	100n	1		SMD Capacitor		0603
C15	100n	1		SMD Capacitor		0603
C16	100n	1		SMD Capacitor		0603
C18	100n	1		SMD Capacitor		0603
C19	100n	1		SMD Capacitor		0603
C20	100n	1		SMD Capacitor		0603
C21	100n	1		SMD Capacitor		0603
C22	100n	1		SMD Capacitor		0603
C23	100n	1		SMD Capacitor		0603
C24	100n	1		SMD Capacitor		0603
C25	100n	1		SMD Capacitor		0603
C26	100n	1		SMD Capacitor		0603
C27	100n	1		SMD Capacitor		0603
C31	100n	1		SMD Capacitor	Not mounted	0603
C32	100n	1		SMD Capacitor		0603
C33	100n	1		SMD Capacitor		0603
C34	100n	1		SMD Capacitor		0603
C35	100n	1		SMD Capacitor		0603
C36	100n	1		SMD Capacitor		0603
C41	100n	1		SMD Capacitor		0603
C42	100n	1		SMD Capacitor		0603
C8	2u2F Ceramic X7R	1		SMD Capacitor		1206
C11	2u2F Ceramic X7R	1		SMD Capacitor		1206
C13	2u2F Ceramic X7R	1		SMD Capacitor		1206

C17	2u2F Ceramic X7R	1		SMD Capacitor		1206
C28	2u2F Ceramic X7R	1		SMD Capacitor		1206
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C29	2u2F Ceramic X7R	1		SMD Capacitor		1206
C30	2u2F Ceramic X7R	1		SMD Capacitor		1206
C9	6u8F/6.3v	1		Tantal capacitor		A-size (EIA3216)
J3	Blue_V Systemkontakt	1	Northstar Systems	Blue_V Systemkontakt	Special, no "ears"	10-Pol
J1	10-pin	1	Tactel	Con. pads on PCB		
J2	Integrated on PCB	1		Eight solder pads, 32 x 100mil cc=50mil	For testpurpose	
J4	Integrated on PCB	1		Eight solder pads, 32 x 100mil cc=50mil	For testpurpose	
D2	17-215UBC/C470/TR 8	1	Everlight	Chip LED Flat top	Blue 470nm	0805
D1	MBR0520LT1	1	Motorola	Schottky power rectifier		SOD-123
D4	BAS 16	1	Philips	SMD switch diode		SOT 23
U4	Sipex SP3223ECY	1	Maxim	Rs-232 Transceiver		TSSOP-20
U13	Sipex SP3223ECY	1	Maxim	Rs-232 Transceiver		TSSOP-20
FIDUS1		1		Fidus for Pick-and-place		
FIDUS2		1		Fidus for Pick-and-place		
FIDUS3		1		Fidus for Pick-and-place		
FIDUS4		1		Fidus for Pick-and-place		
FIL1	NFM39R12C471T 1	1	Murata	EMI-filter		0805
U11	LP2966IMM-2830	1	National	Dual LDO		MSOP8
U9	LM2767M5	1	National semiconductor	Switched cap. volt. converter.	11kHz	SOT23-5
U14	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch		SC70-6
U15	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch		SC70-6
U16	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch		SC70-6
U17	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult		SC70-6

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U19	NC7SZ32	1	Fairchild	Bus Switch		
				Single gate OR		SC-70
U21	NC7SZ32	1	Fairchild	Single gate OR		SC-70
U6	NC7SZ04	1	National	Single gate INV		SC70-5
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U18	NC7SZ04	1	National	Single gate INV		SC70-5
U20	NC7SZ04	1	National	Single gate INV		SC70-5
U7	NC7S08P5	1	Fairchild	Single gate AND	Not mounted	SC70-5
U10	NC7S08P5	1	Fairchild	Single gate AND		SC70-5
U3	GT28F800B3TA90	1	Intel	Top Boot Block		uBGA
				Flash Memory		
U5	BS616LV4010B	1	BSI	CMOS Static RAM	Miko	uBGA 48
				256K x 16bit	Komponent	
				Pattern for		
				conductive silicon		
S1	Integrated on PCB	1		pushbutton		
U1	IRMA Bp3A	1	Ericsson	Micro-circuit	IRMA Bp3A	96-ball BGA
R1	33R	1		SMD resistor 0402		0402
R2	33R	1		1%		0402
R3	33R	1		SMD resistor 0402		0402
R4	100k	1		1%		0402
R5	100k	1		SMD resistor 0402		0402
R6	Not mounted	1		1%		0402
R10	33R	1		SMD resistor 0402		0402
R11	33R	1		1%		0402
R13	33R	1		SMD resistor 0402		0402
R14	33R	1		1%		0402
R15	390R	1		SMD resistor 0402		0402
R16	33R	1		1%		0402
R17	1k	1		SMD resistor 0402		0402
R18	100k	1		1%		0402
R19	0 Ohm	1		SMD resistor 0402		0402
				1%		0402

R20	0 Ohm	1		SMD resistor 0402 1%		0402
R21	0 Ohm	1		SMD resistor 0402 1%		0402
R22	Not mounted	1		SMD resistor 0402 1%		0402
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R23	Not mounted	1		SMD resistor 0402 1%		0402
R26	10R	1		SMD resistor 0402 1%		0402
R7	ARV 341 47K	1	Philips	Resistor Array 4x	Farnell n:o 325-7526	0805
R9	ARV 341 47K	1	Philips	Resistor Array 4x	Farnell n:o 325-7526	0805
R12	ARV 341 47K	1	Philips	Resistor Array 4x	Farnell n:o 325-7526	0805
R27	ARV 341 47K	1	Philips	Resistor Array 4x	Farnell n:o 325-7526	0805
R8	Not mounted	1		Resistor, 0 Ohm	Not mounted	0805
U12	V6309T-SOT23	1	EM Microelectronics Marin SA	Reset circuit Short range wideband tranceiver		SOT23
U2	ROK101002/1	1	Ericsson		Flisa P6A	BGA, 34pin 40mil solderpad
TP1	ADR00	1		Testpoint, 40mil		
Q1	PDTC114ET	1	Philips	SMD Digital NPN trans.	100mA, 50v, 2x10k	SOT23
XT1	TSS-2-13.00MHz	1	TEW	Quartz crystal	Kvartselektro nik AB	TSS-2 (7 x 5 x 1.2)