

Design: A. Ryll	
Base Station v3b	
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**Main Processor**

**IC5A** (STM32F767VIT6)

MIL_CRS	22	P0
MIL_RX_CLK	23	P1
MIL_MDI0	24	P2
MIL_COI	25	P3
LED0	28	P4
LED1	29	P5
PHY_RESET	30	P6
MIL_RX_DV	31	P7
LCD_RESET	68	P8
LCD_ON	69	P9
SPI2_SCK	71	P10
SWDIO	72	P11
SWCLK	76	P13
JTAG_UNUSED1	77	P14

**IC5B** (STM32F767VIT6)

MIL_RXD2	34	P0
MIL_RXD3	35	P1
JTAG_UNUSED2	89	P2
Do not use PB4!!!	90	P3
WF_ON	91	P4
USART1_TX	92	P5
USART1_RX	93	P6
MIL_TXD3	95	P7
MIL_RX_ER	46	P8
MIL_TX_EN	47	P9
MIL_TXD0	51	P10
MIL_TXD1	52	P11
SPI2_MISO	53	P12
SPI2_MOSI	54	P13

**IC5C** (STM32F767VIT6)

MIL_MDC	15	P0
MIL_TXD2	17	P1
MIL_TX_CLK	18	P2
MIL_RXD0	32	P3
MIL_RXD1	33	P4
TP_CS	63	P5
SPI3_SCK	78	P6
SPI3_MISO	79	P7
SPI3_MOSI	80	P8
TP_CS	7	P9
TP_CS	8	P10
TP_CS	9	P11

**IC5D** (STM32F767VIT6)

FMC_D2	81	P0
FMC_D3	82	P1
WE1_BUSY	83	P2
WE1_IRQ	84	P3
FMC_NOE	85	P4
FMC_NWE	86	P5
WE1_CS	87	P6
FMC_NE1	88	P7
FMC_D13	55	P8
FMC_D14	56	P9
FMC_D15	57	P10
FMC_A16	58	P11
TP_IRQ	59	P12
FMC_D0	61	P13
FMC_D1	62	P14

**IC5E** (STM32F767VIT6)

WE_CPS	97	P0
WE_CTX	98	P1
WE_CRX	99	P2
MIL_INT	4	P3
WE_ANT	5	P4
FMC_D4	37	P5
FMC_D5	38	P6
FMC_D6	39	P7
FMC_D7	40	P8
FMC_D8	41	P9
FMC_D9	42	P10
FMC_D10	43	P11
FMC_D11	44	P12
FMC_D12	45	P13

**IC6** (CP11009 130mA)

FMC_NE1	15	CS
FMC_A16	4	RS
FMC_NOE	6	RD
FMC_NWE	5	WR
FMC_D0	21	D0
FMC_D1	22	D1
FMC_D2	23	D2
FMC_D3	24	D3
FMC_D4	25	D4
FMC_D5	26	D5
FMC_D6	27	D6
FMC_D7	28	D7
FMC_D8	7	D8
FMC_D9	8	D9
FMC_D10	9	D10
FMC_D11	10	D11
FMC_D12	11	D12
FMC_D13	12	D13
FMC_D14	13	D14
FMC_D15	14	D15

**Component Values**

C12	3p
C13	3p
C14	100n
C16	100n
C17	10u
C18	10u
C19	100n
C20	100n
C21	100n
C22	100n
C23	100n
C24	100n
C25	100n
C26	100n
C27	100n
C28	100n
C29	100n
C30	100n
C31	100n
C32	100n
C33	100n
C34	100n
C35	100n
C36	100n
C37	100n
C38	100n
C39	100n
C40	100n
C41	100n
C42	100n
C43	100n
C44	100n
C45	100n
C46	100n
C47	100n
C48	100n
C49	100n
C50	100n
C51	100n
C52	100n
C53	100n
C54	100n
C55	100n
C56	100n
C57	100n
C58	100n
C59	100n
C60	100n
C61	100n
C62	100n
C63	100n
C64	100n
C65	100n
C66	100n
C67	100n
C68	100n
C69	

[illegible]

92mA

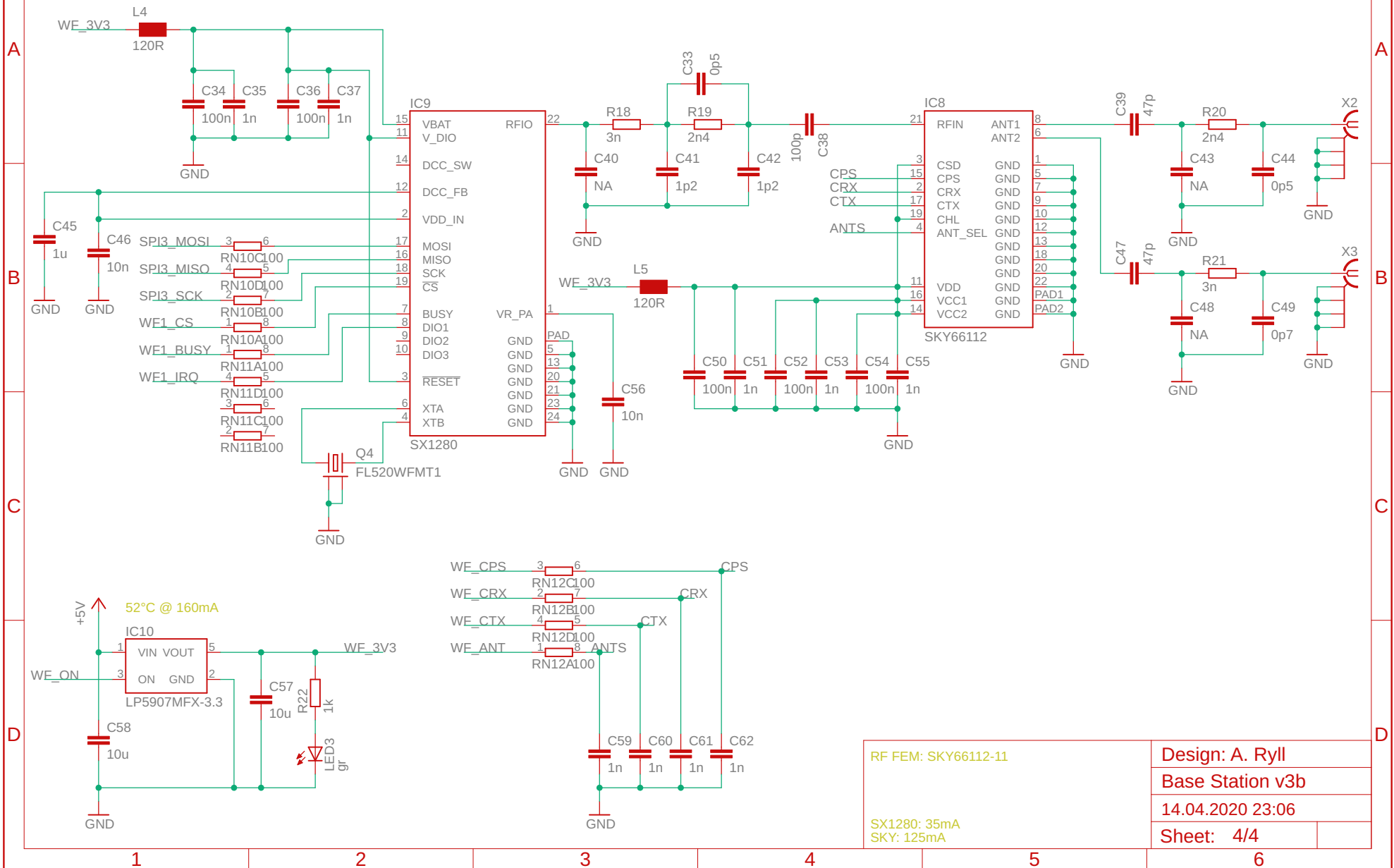
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# Wireless Interface



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