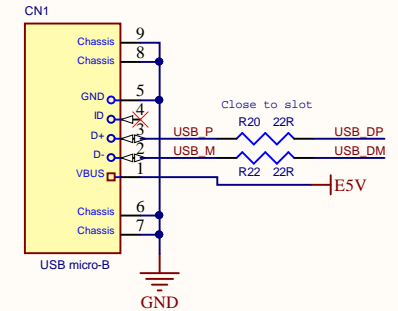
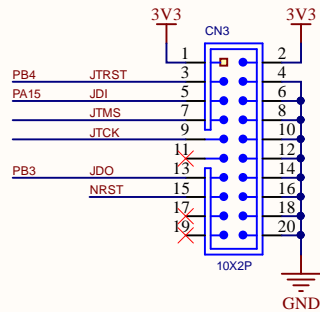


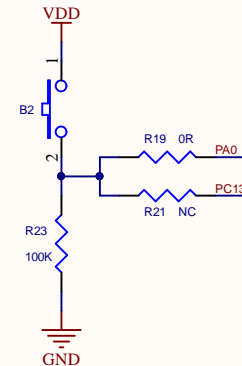
Power



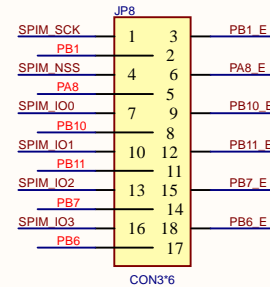
USB



20-pin ARM standard JTAG

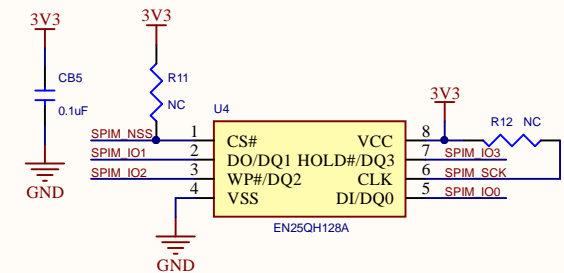


User key

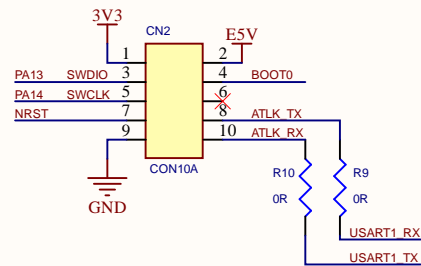


GPIO/SPIM selection

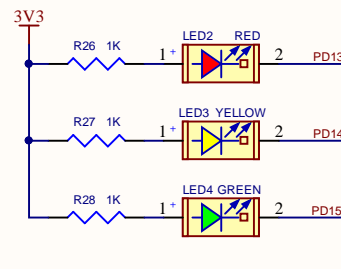
SPIM



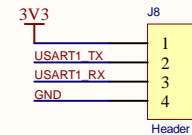
SPIM



AT-Link interface

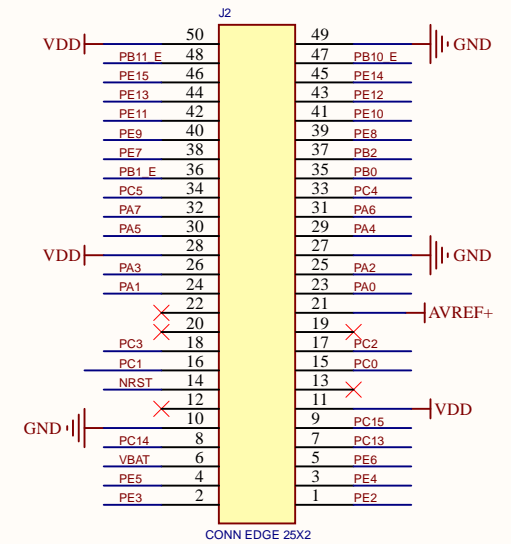
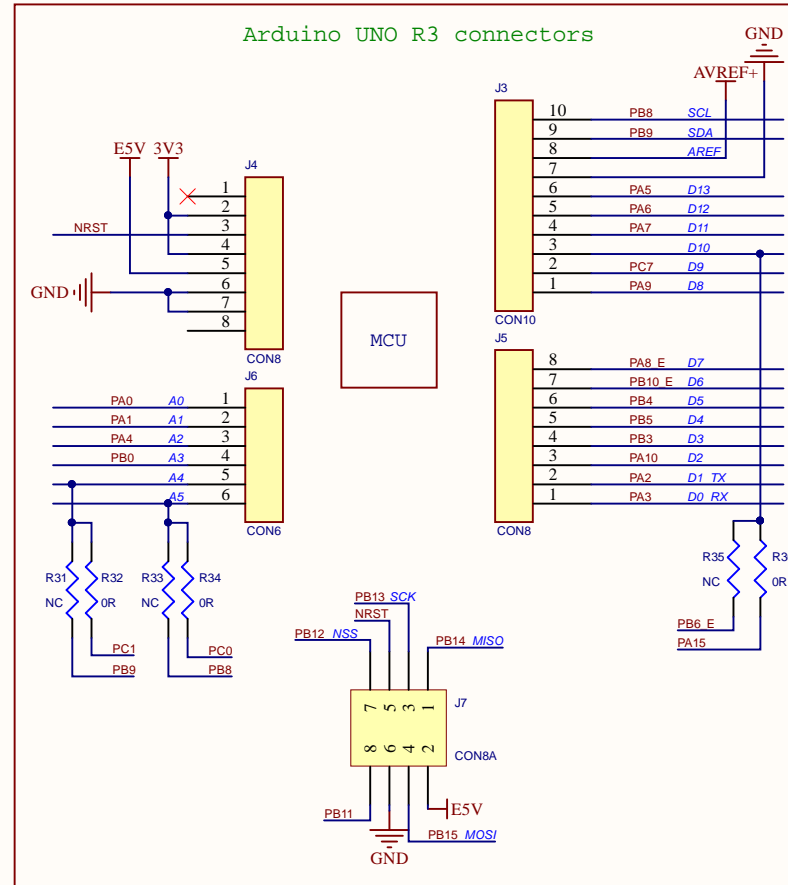


LEDs



USART1 for ISP

mSlink Technology Corp.			
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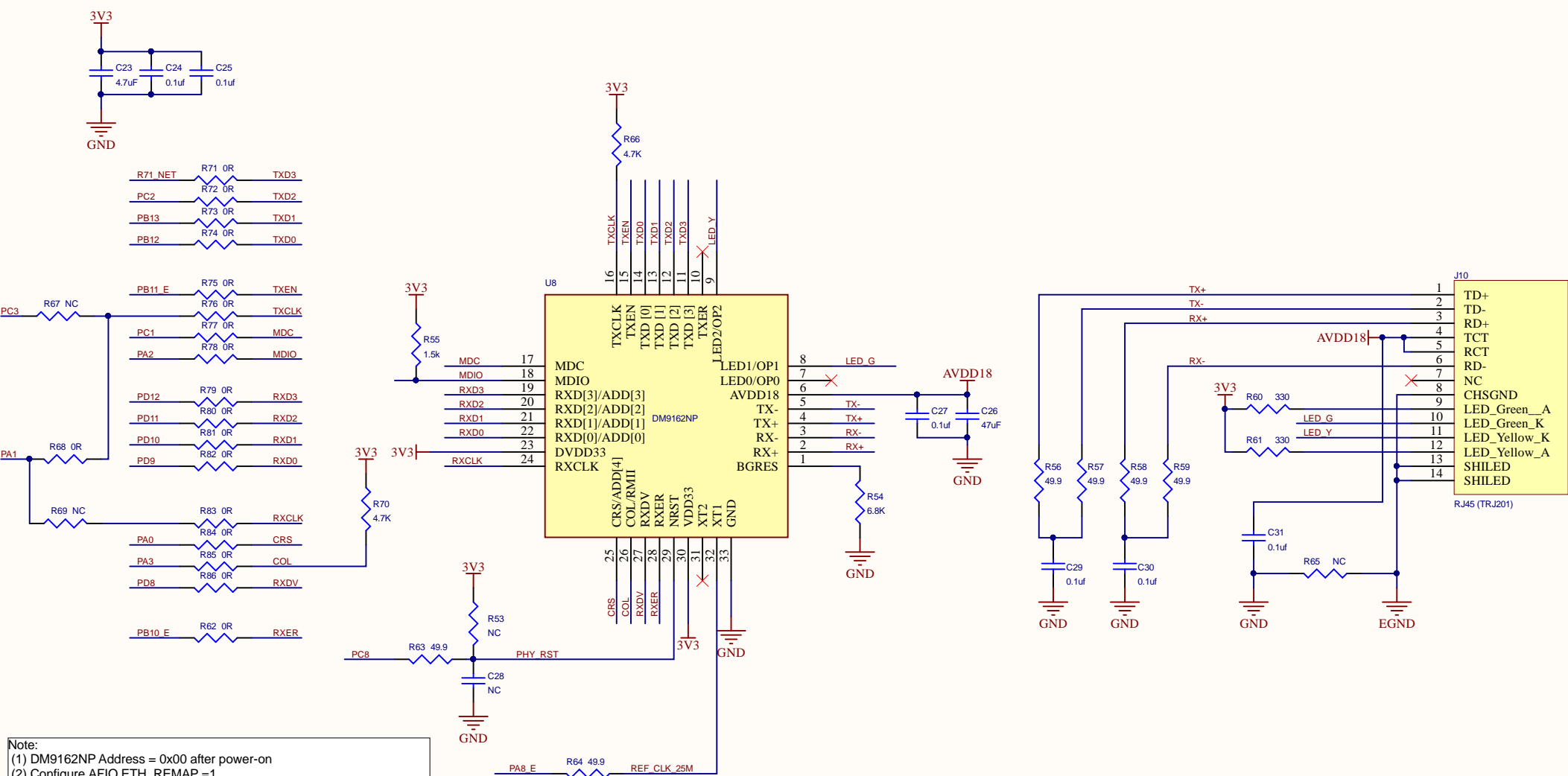


## Extension connectors

**mSlink Technology Corp.**

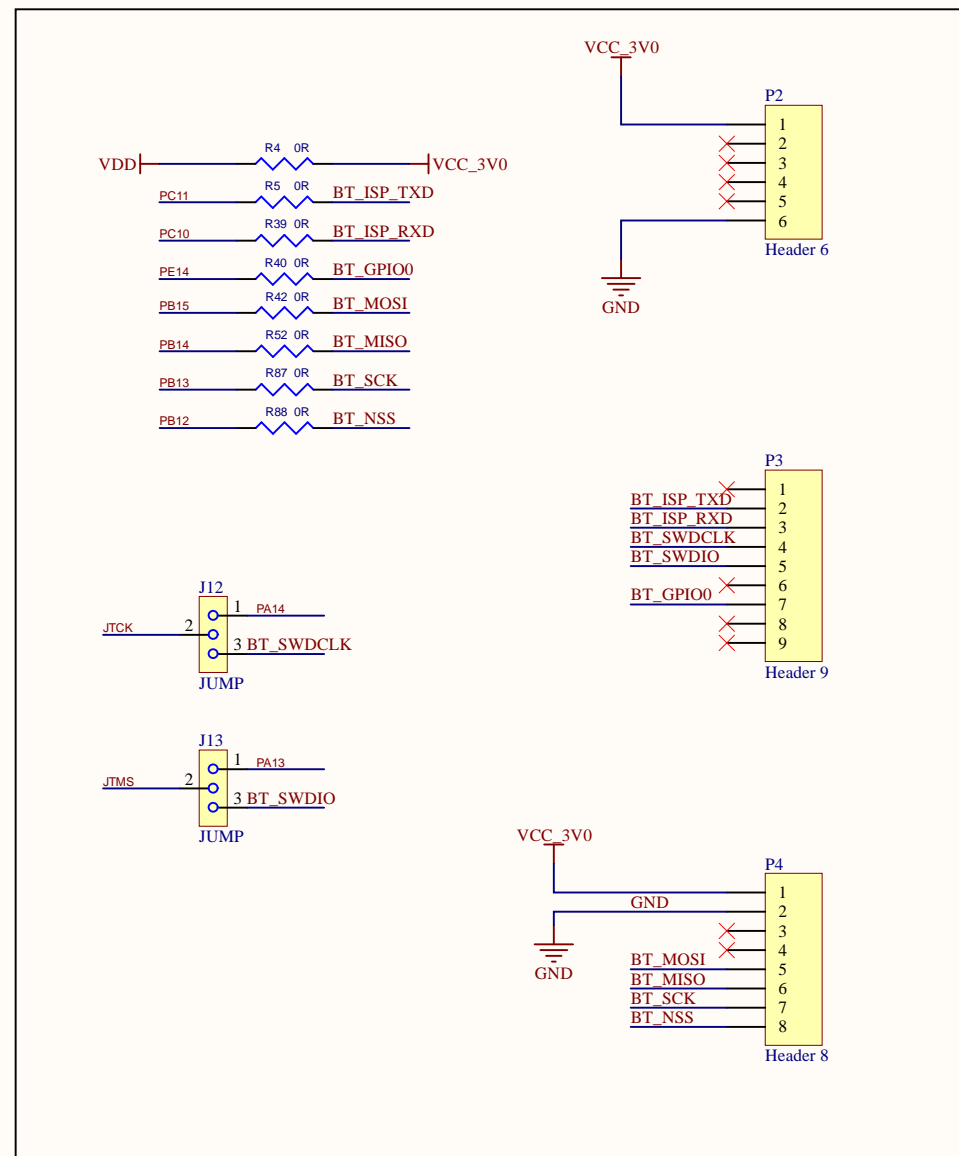
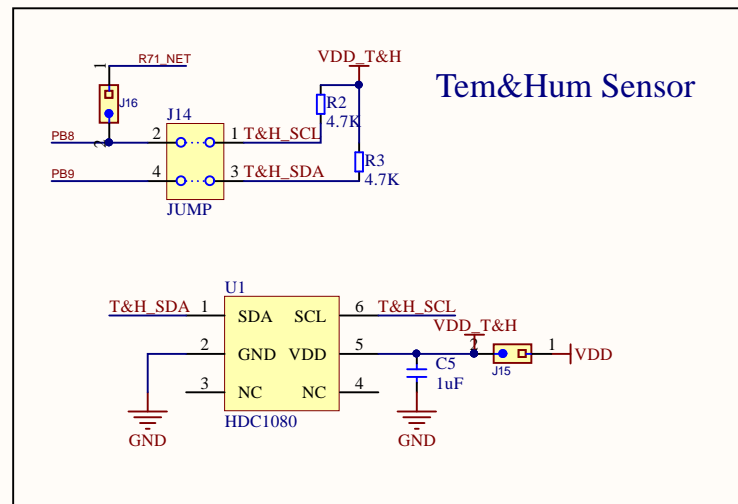
Size	A4	Project:AT-START-F407	Revision	V1.2
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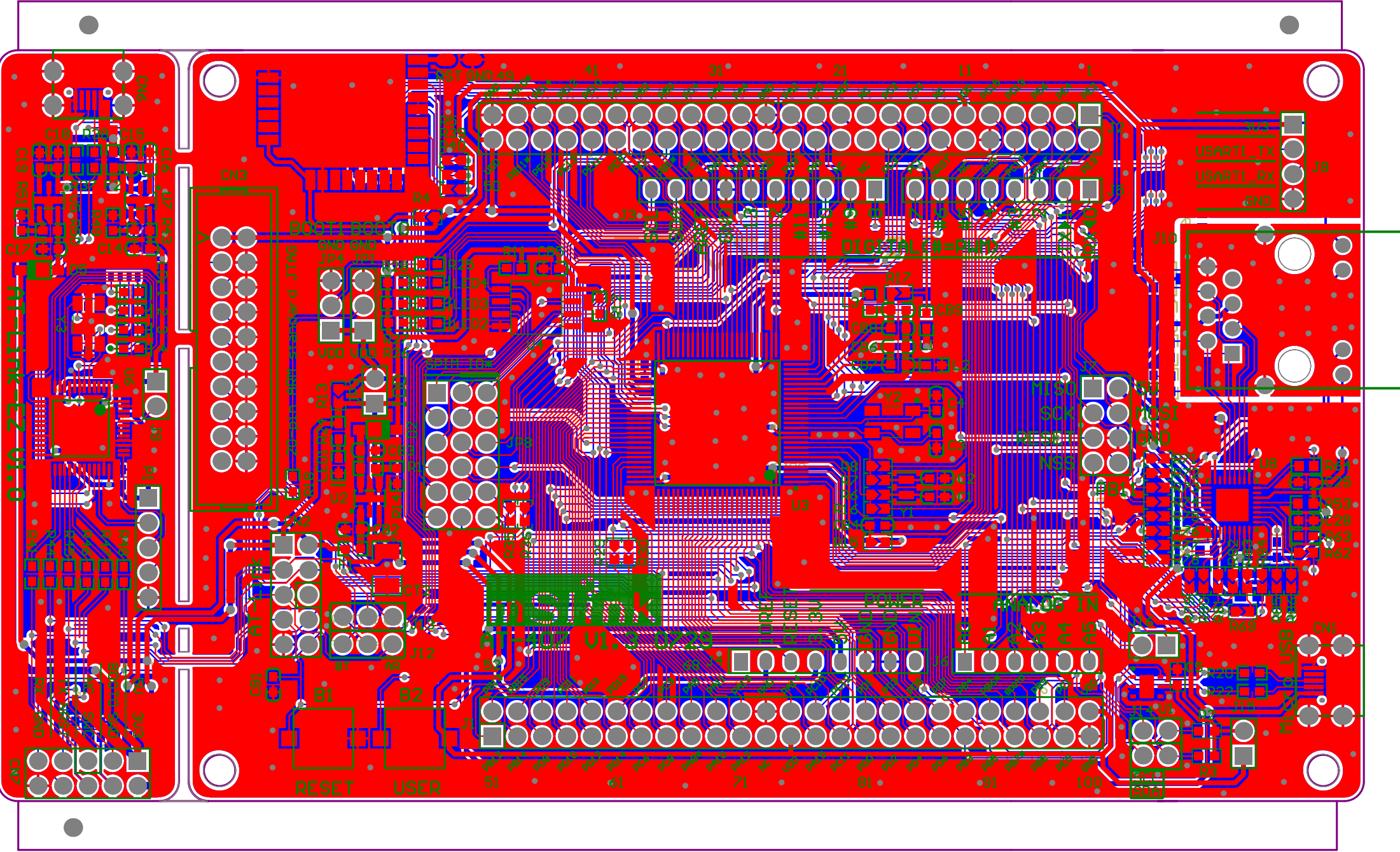
**mSlink Technology Corp.**

Size	A4	Project:AT-START-F407	Revision	V1.2
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**mSlink Technology Corp.**

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Comment	Description	Designator	Footprint	LibRef	Quantity
PB, BLACK, SMD 2P		B1	BUTTON	Push_Botton	1
PB, Blue, SMD 2P		B2	BUTTON	Push_Botton	1
10pF		C1, C2	C0603	10pF,50V,5%	2
22pF		C3, C4	C0603	10pF,50V,5%	2
1uF		C5	603	CAP	1
NC	Capacitor (S	C7, C13, C28	C0603	Cap Semi	3
4.7uF/16V	Capacitor (S	C8	C0603	Cap Semi	1
0.1uF/16V	Capacitor (S	C9, C10, C11	C0603	Cap Semi, 0	5
10uF		C14, C15, C16	C0603	0.1uF,50V,20	4
0.1uF	[NoValue], C	C16, C19, C20	C0603	0.1uF,50V,20	17
22pF/16V		C20, C21	C0603	10pF,50V,5%	2
4.7uF	贴片电容	C23	LC-0805 C	0805 2.2uF (	1
47uF	贴片电容	C26	LC-0805 C	0805 2.2uF (	1
1uF		CB2, CB3, CB	C0603	0.1uF,50V,20	5
USB micro-B		CN1	USB_MIC_D	USB_miniAB	1
CON10A		CN2	HDR2X5	CON10A 0	1
10X2P		CN3	JTAG_20	10x2P, Male,	1
USB_micro B		CN6	USB_MIC_D	USB_miniAB	1
CON1		CN7	HDR2X5	CON10A 0	1
10uF/16V		CT2	C3528	10uF,16V,20	1
4.7uF		CT3	C0603	0.1uF,25V,20	1
DFLS130L	Default Diode	D2, D3, D5	SOD-123	Diode	3
SMF3.3A	Default Diode	D4	SOD-123	Diode	1
SMD0603B0	Fuse	F1, F2	r0603	Fuse 1	2
CONN_EDGE 25X2		J1, J2	HEAD2*25	CONN_EDGE	2
CON10		J3	HDR1X10 -	CON10 0	1
CON8		J4, J5	HDR1X8 - 2	CON8	2
CON6		J6	HDR1X6 - 2	CON6	1
CON8A	Header, 4-P	J7	HDR2X4	Header 4X2	1
Header 4	Header, 4-P	J8	HDR1X4	Header 4	1
1X2P 2.54M		J9, J15, J16, J	HDR1X2	1X2P, Male, D	4
RJ45 (TRJ201)		J10	HR911105A	RJ45(HR9111	1
JUMP		J12, J13	JUMP_3Pin	JUMP	2
JUMP		J14	JUMP*4Pin	JUMP*4Pin	1
1X3P 2.54M		JP1, JP4	HDR1X3	1X3P, Male, D	2
CON3*6		JP8	HDR3X6	CON3*6	1
BEAD		L1, L2, L3	R0603	BEAD	3
RED		LD1, LED1, L	LED0603	RED,SMD06	3
GREEN		LD2, LED4	LED0603	GREEN,SMD	2
BLUE		LD3	LED0603	RED,SMD06	1
YELLOW		LD4, LED3	LED0603	YELLOW,SM	2
Header 5	Header, 5-P	P1	HDR1X5	Header 5	1
Header 6	Header, 6-P	P2	SIP6 - 50mil	Header 6	1
Header 9	Header, 9-P	P3	SIP9 - 50mil	Header 9	1
Header 8		P4	SIP8 - 50mil	Header 8	1
51K		R1, R50	R0603	470.1/10W,1	2
4.7K	Resistor	R2, R3	603	Res	2
OR		R4, R5, R6, R	SOLDER-BR	470.1/10W,1	37
NC		R8, R16, R21	SOLDER-BR	0.1/10W,1%	10
NC		R11, R12	R0603	47K,1/10W,1	2
15K		R14, R49, R5	R0603	470.1/10W,1	3
10K		R18, R25	R0603	10K,1/10W,1	2
22R		R20, R22, R3	R0603	22.1/10W,1%	4
100K		R23	R0603	10K,1/10W,1	1
1K		R24, R26, R2	R0603	470.1/10W,1	4
33R		R41, R44, R4	R0603	22.1/10W,1%	6
47K		R43	R0603	470.1/10W,1	1
NC	Resistor	R53, R65	LC-0603 R	Res3	2
6.8K	Resistor	R54	LC-0603 R	Res3	1
1.5k	Resistor	R55	LC-0603 R	Res3	1
	49.9 Resistor	R56, R57, R5	LC-0603 R	Res3	5
	330 Resistor	R60, R61	LC-0603 R	Res3	2
	49.9 Resistor	R63	R0603	Res3	1
4.7K	贴片电阻	R66, R70	r0603	Res3	2
1K		RP1	RP 4-0603	22.1/16W,5%	1
1X4P 2.54F		TP3	HDR1X4 - td	1X4P, Female	1
HDC1080		U1	HDC1080	HDC1080	1
RT9080N-08GJ5		U2, U5, U7	SOT-23-5	RT9080N	3
AT32F407VGT7		U3	LQFP100	LQFP100	1
EN25QH128A		U4	SOIC8 208	W25Q128FV	1
AT32F403CGT6		U6	LQFP48 - 2	LQFP48&OF	1
DM9162NP		U8	DM9162NP	DM9162NP	1
32.768KHz	FC-12M 201	Y1	XTAL SOP -	32.768KHz C	1
8MHz	贴片晶振, 2	Y2, Y3	SMD 5032	SMD-5032	2