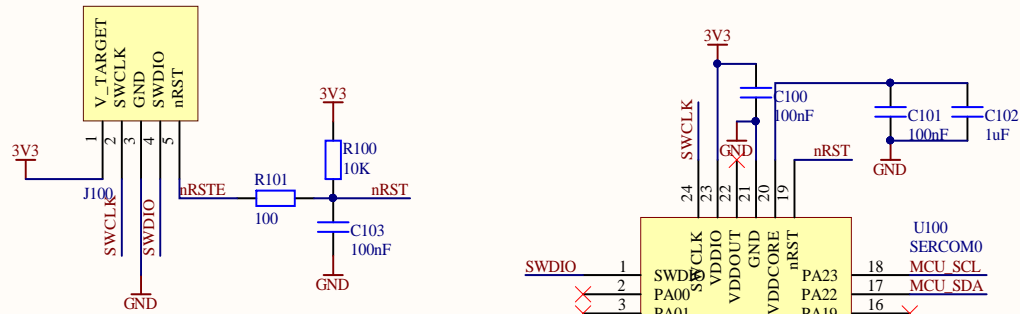
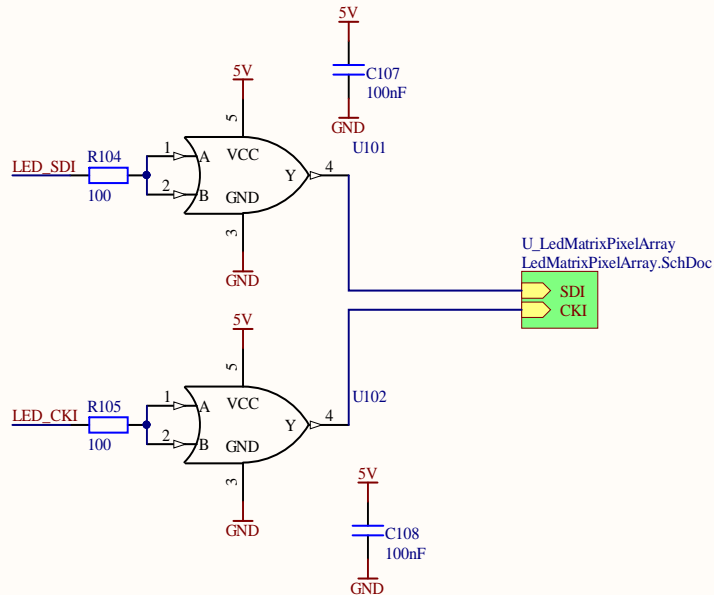
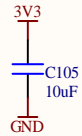
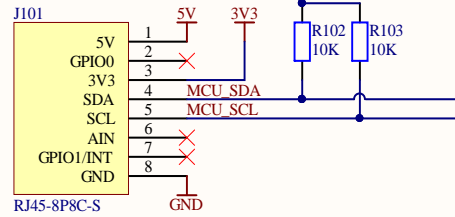


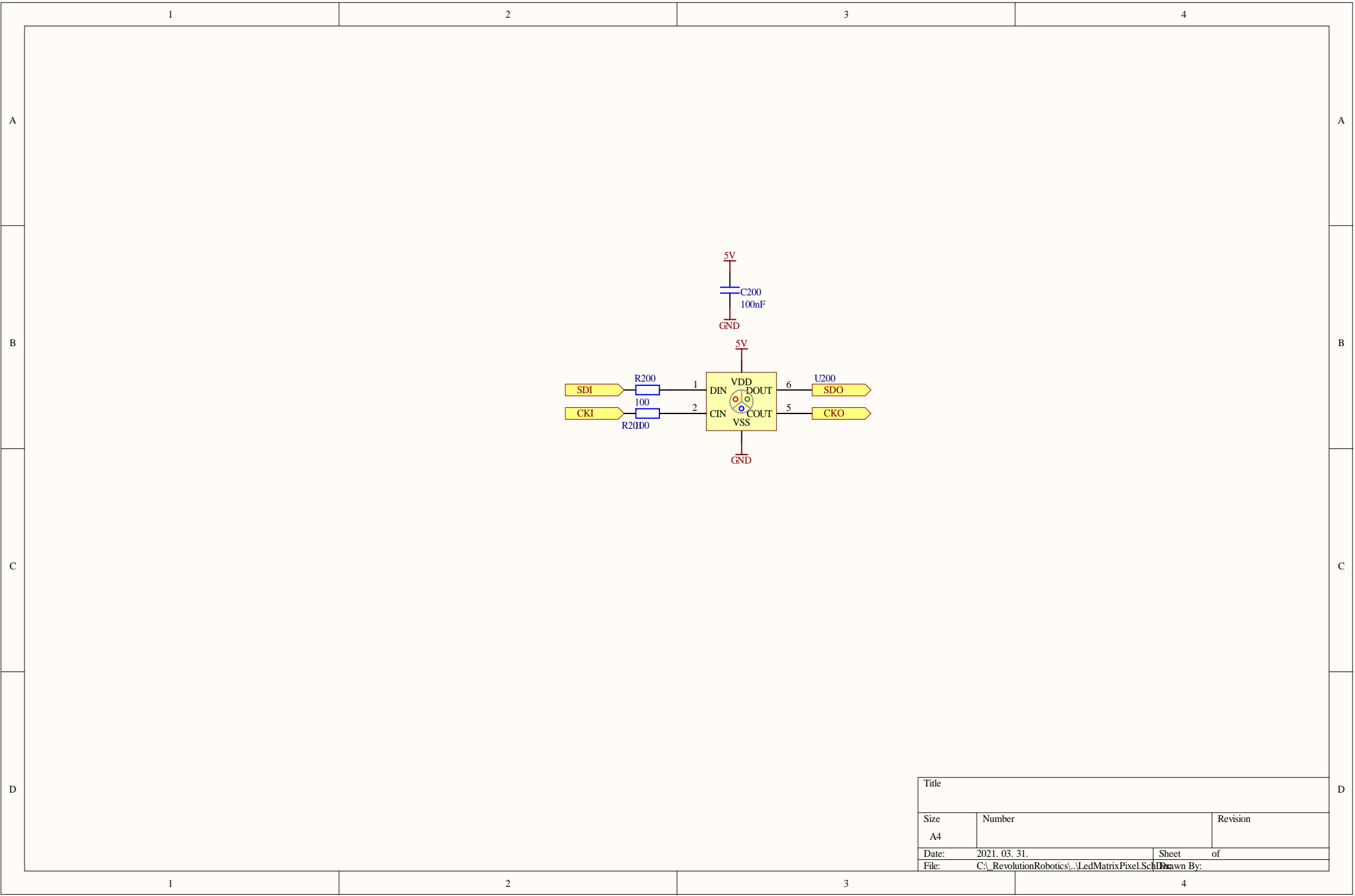
Programmer port (SWD)

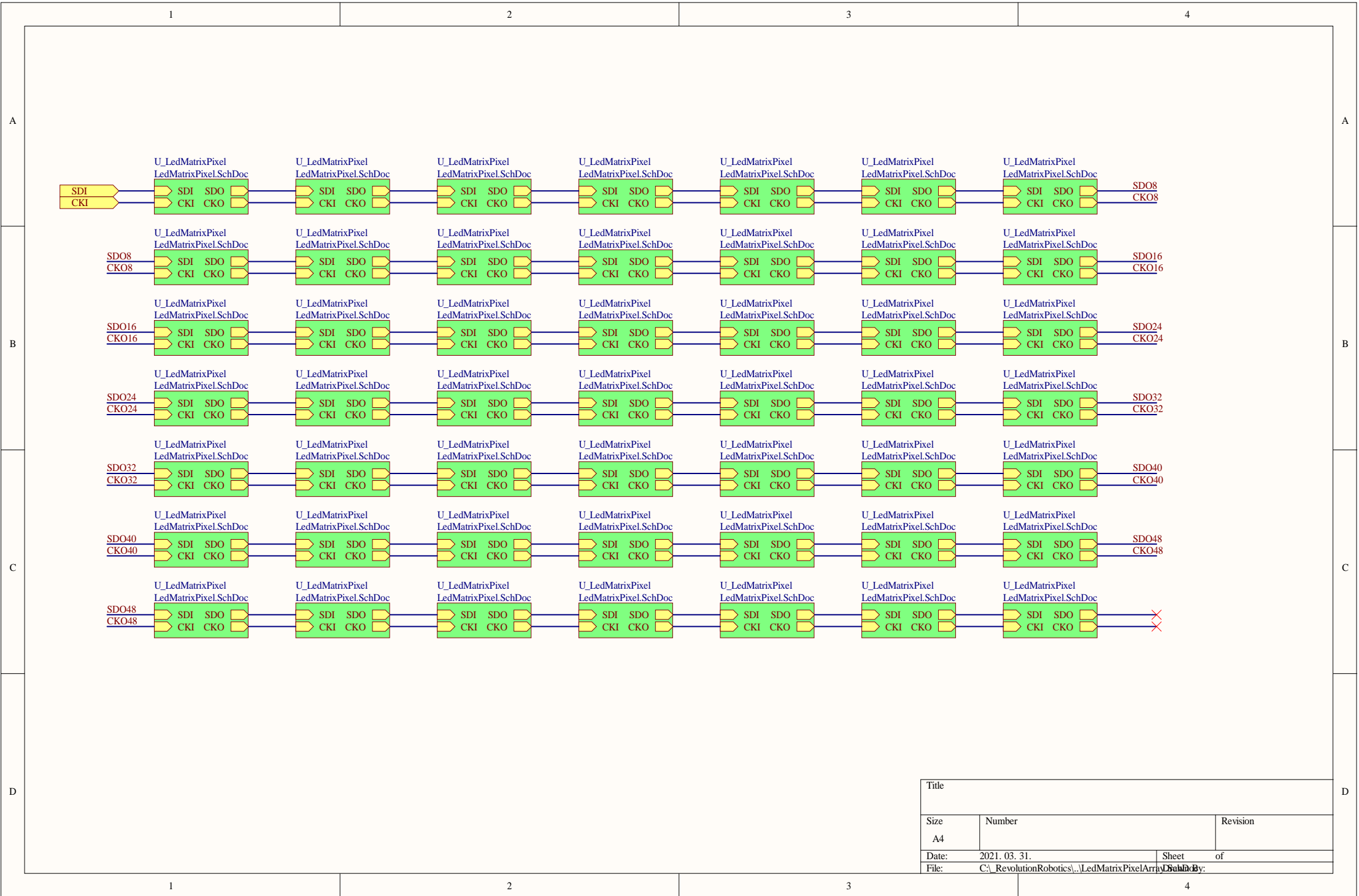


Revvyp port



Title		
Led Matrix on Sensor Port		
Size	Number	Revision
A4		1.0
Date:	2021. 03. 31.	Sheet of
File:	C:\RevolutionRobotics\...\LedMatrixMain.SchDoc	





Comment	Description	Designator	Footprint	LibRef	Quantity
100nF		C100, C101, C103, C104, C107, C108 C200_U_LedMatrixPixel 1, C200_U_LedMatrixPixel 2, C200_U_LedMatrixPixel 3, C200_U_LedMatrixPixel 4, C200_U_LedMatrixPixel 5, C200_U_LedMatrixPixel 6, C200_U_LedMatrixPixel 7, C200_U_LedMatrixPixel 8, C200_U_LedMatrixPixel 9, C200_U_LedMatrixPixel 10, C200_U_LedMatrixPixel 11, C200_U_LedMatrixPixel 12, C200_U_LedMatrixPixel 13, C200_U_LedMatrixPixel 14, C200_U_LedMatrixPixel 15, C200_U_LedMatrixPixel 16, C200_U_LedMatrixPixel 17, C200_U_LedMatrixPixel 18, C200_U_LedMatrixPixel	CAP1608X06M	Capacitor 100n	55
1uF		C102	CAP1608X06M	Capacitor 1u	1
10uF		C105	CAP1608X06M	Capacitor 10u	1
SWD		J100	Sullins_GRP8051VWVNC-RC	SWD	1
RJ45-8P8C-S		J101	RJ45-8P8C	RJ45-8P8C-S	1
10K		R100, R102, R103	RES1608X06M	Resistor 10K	3
100		R101, R104, R105, R200_U_LedMatrixPixel 1, R200_U_LedMatrixPixel 2, R200_U_LedMatrixPixel 3, R200_U_LedMatrixPixel 4, R200_U_LedMatrixPixel 5, R200_U_LedMatrixPixel 6, R200_U_LedMatrixPixel 7, R200_U_LedMatrixPixel 8, R200_U_LedMatrixPixel 9, R200_U_LedMatrixPixel 10, R200_U_LedMatrixPixel 11, R200_U_LedMatrixPixel 12, R200_U_LedMatrixPixel 13, R200_U_LedMatrixPixel 14, R200_U_LedMatrixPixel 15, R200_U_LedMatrixPixel 16, R200_U_LedMatrixPixel 17, R200_U_LedMatrixPixel 18, R200_U_LedMatrixPixel 19,	RES1608X06M	Resistor 100	101
ATSAML10D16	48MHz 32bit ARM MCU	U100	OFN50P400X400X90_HS-25N	ATSAML10D16	1
OR gate	OR gate	U101, U102	SOT795P270K145-5N	SN74LV1T32	2
APA102-2020	RGB LED	U200_U_LedMatrixPixel 1, U200_U_LedMatrixPixel 2, U200_U_LedMatrixPixel 3, U200_U_LedMatrixPixel 4, U200_U_LedMatrixPixel 5, U200_U_LedMatrixPixel 6, U200_U_LedMatrixPixel 7, U200_U_LedMatrixPixel 8, U200_U_LedMatrixPixel 9, U200_U_LedMatrixPixel 10, U200_U_LedMatrixPixel 11, U200_U_LedMatrixPixel 12, U200_U_LedMatrixPixel 13, U200_U_LedMatrixPixel 14, U200_U_LedMatrixPixel 15, U200_U_LedMatrixPixel 16, U200_U_LedMatrixPixel 17, U200_U_LedMatrixPixel 18, U200_U_LedMatrixPixel 19, U200_U_LedMatrixPixel	APA102	APA102-2020	49