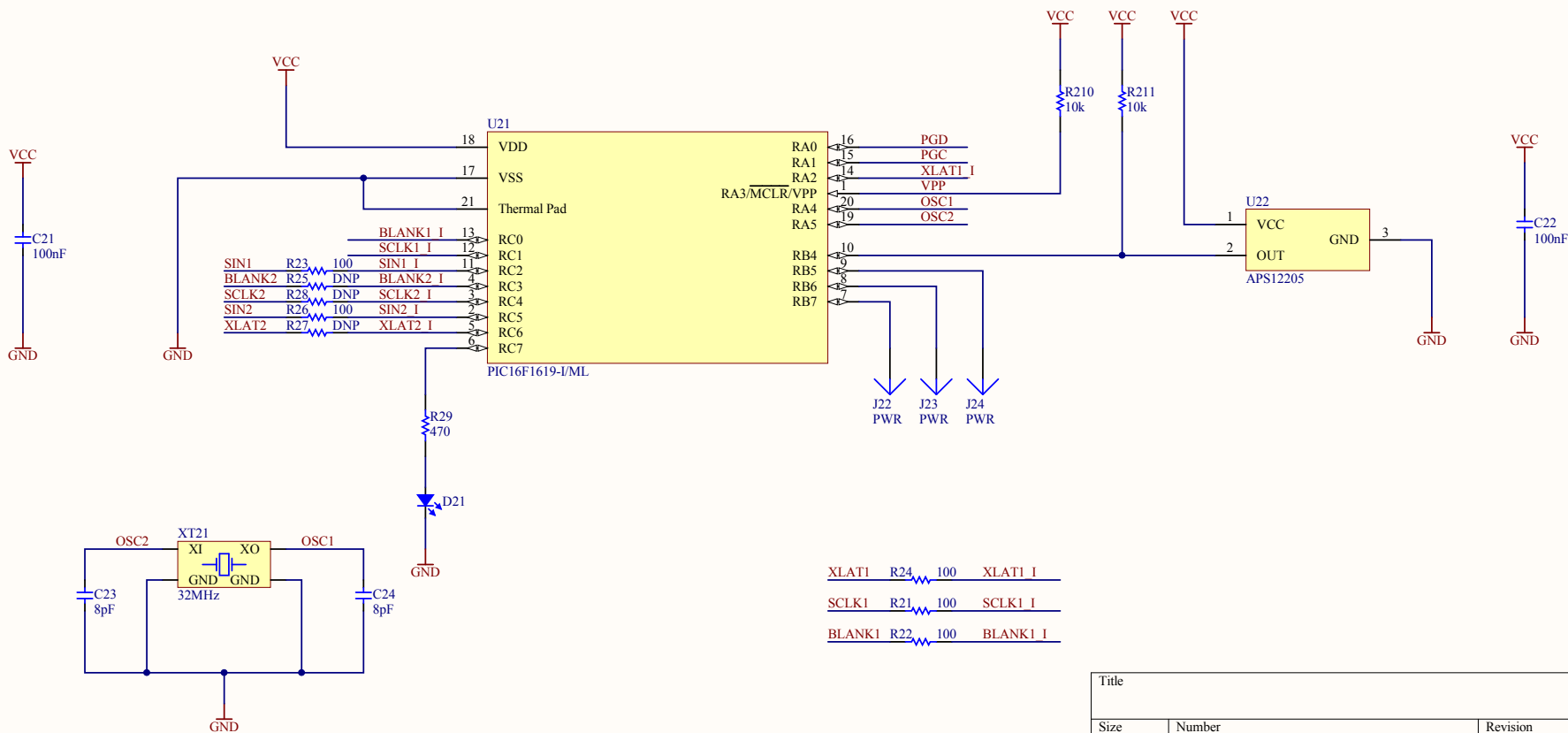
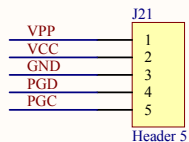
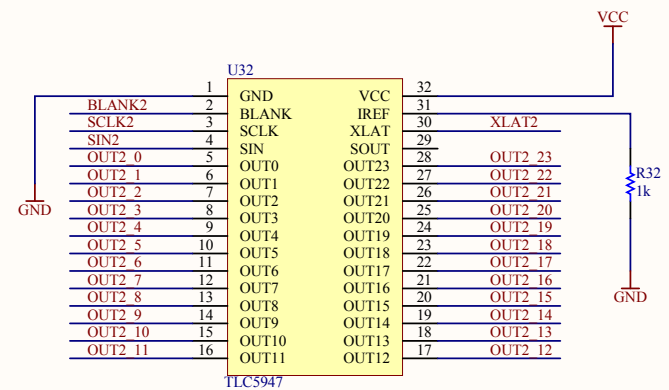
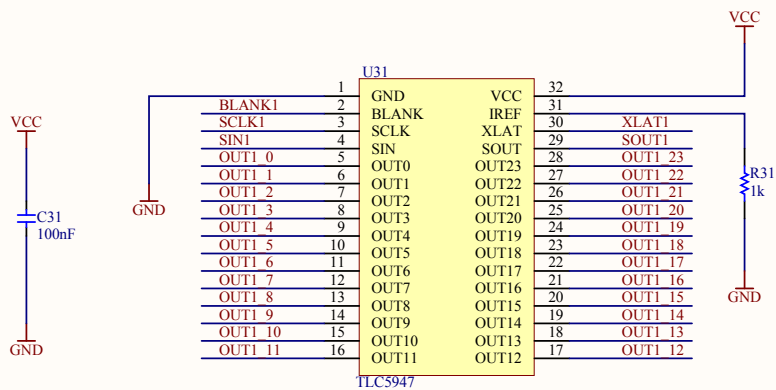


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Date:	2/7/2018	Sheet of
File:	C:\Users\A1 - Power.SchDoc	Drawn By:



Title		
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A4		
Date:	2/7/2018	Sheet of
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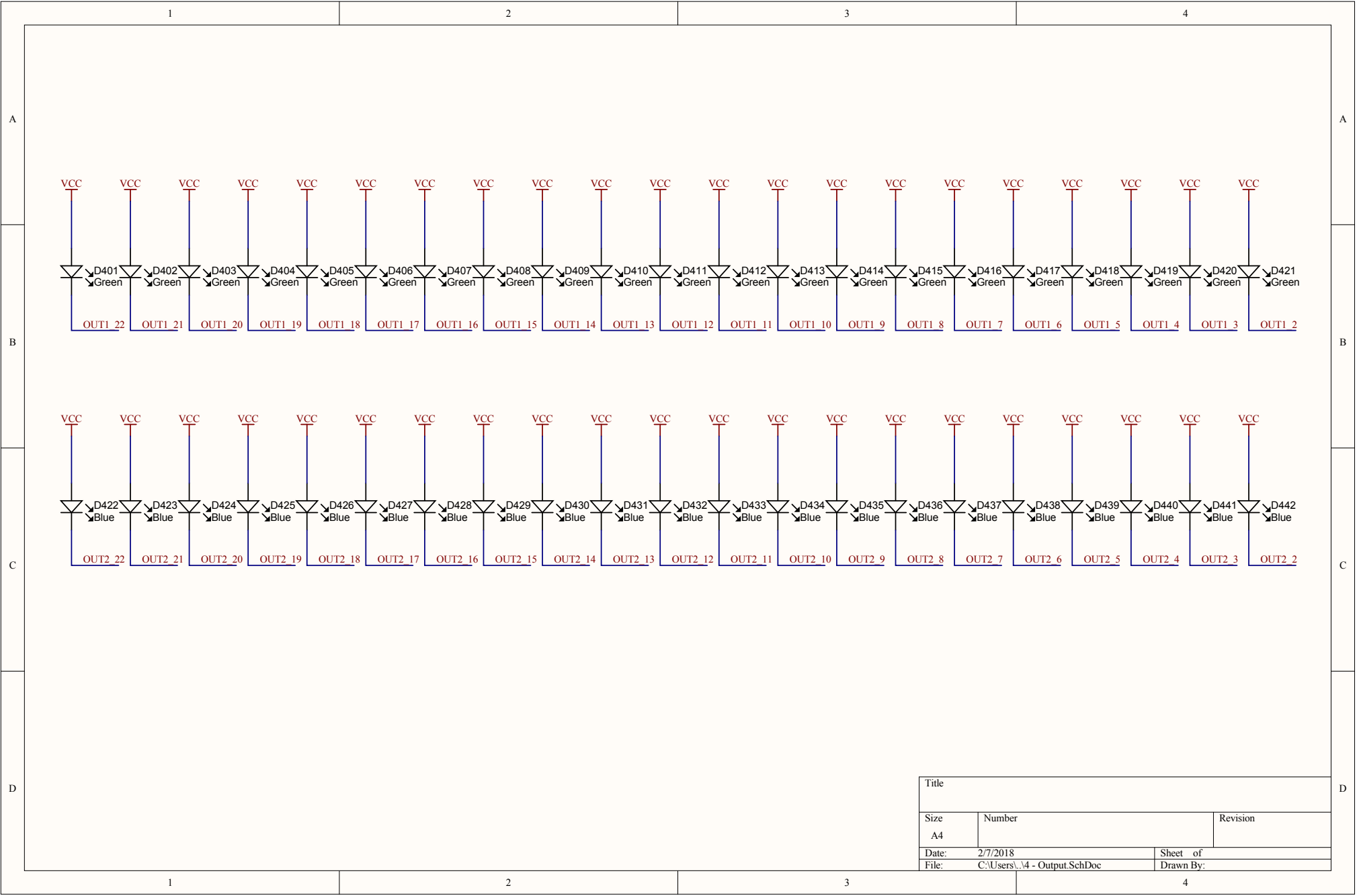


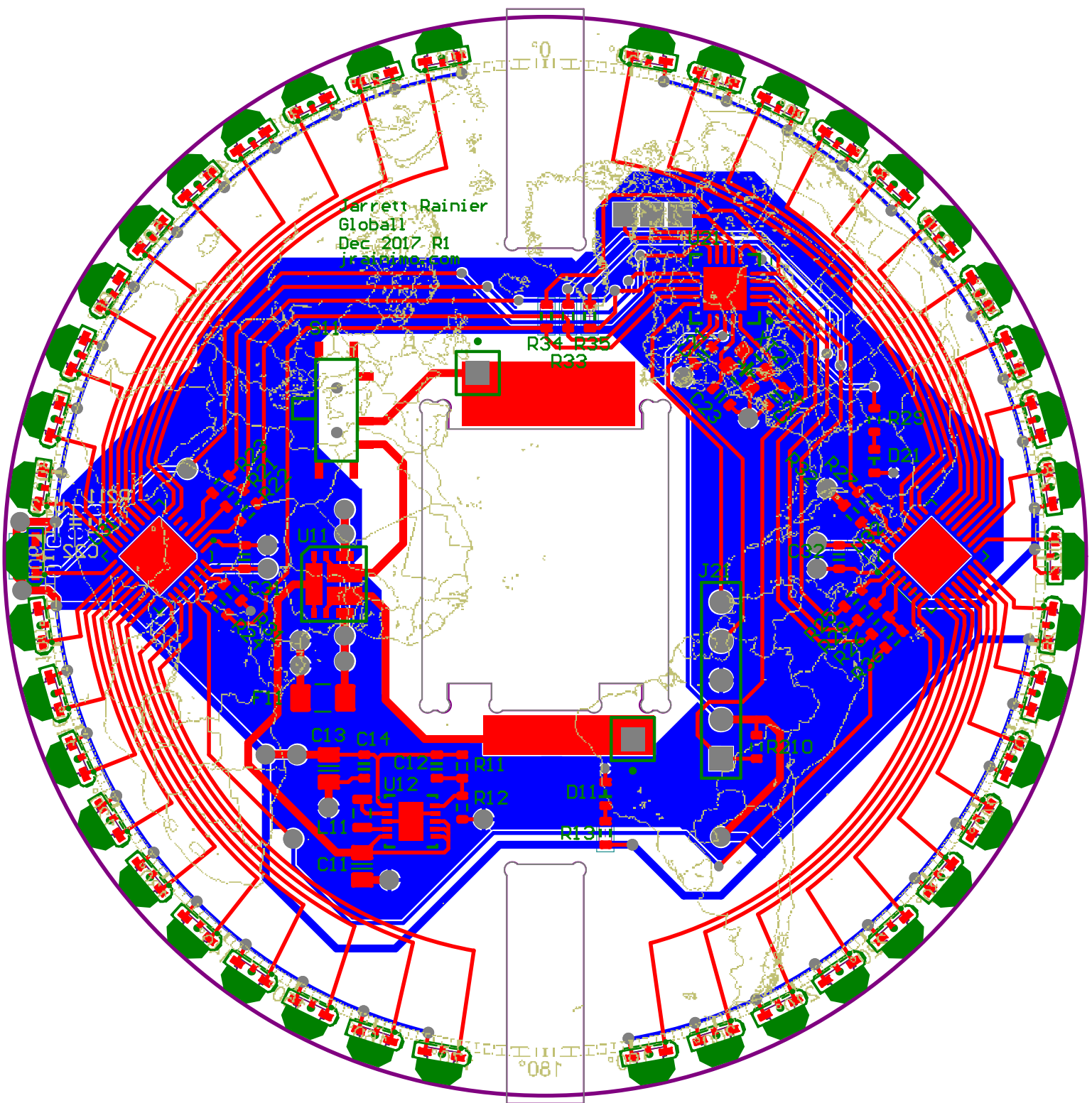
With data and inverted data simultaneous SPI strategy:
XBLANK, SCK, and XLAT all connected together

SOUT unused

SIN from both from PIC

Title		
Size A4	Number	Revision
Date:	2/7/2018	Sheet of
File:	C:\Users\j3 - Drivers\SchDoc	Drawn By:





Comment	Description	Designator	Footprint	LibRef	Quantity
Cap_0603	Capacitor	C11, C13	CAPC2012X135N	Cap_0603	2
Cap_0603	Capacitor	C12, C14, C21, C22, C23, C24, C31, C32	CAP_0603	Cap_0603	8
LED_0603	LED	D11, D21	LED_0603_RED	LED_0603	2
Green	LED 0805 SIDELED SMD Green 250mcd 525nm	D401, D402, D403, D404, D405, D406, D407, D408, D409, D410, D411, D412, D413, D414, D415, D416, D417, D418, D419, D420, D421	LED-0805S-SIDELED- 2.1X0.6X1.0	LED_SMD_PureGreen_0 805RA_250mcd	21
Blue	LED 0805 SIDELED SMD Green 250mcd 525nm	D422, D423, D424, D425, D426, D427, D428, D429, D430, D431, D432, D433, D434, D435, D436, D437, D438, D439, D440, D441, D442	LED-0805S-SIDELED- 2.1X0.6X1.0	LED_SMD_PureGreen_0 805RA_250mcd	21
Slow-blow	Fuse 750mA 6VDC 1206 SMD	F11	RESC3216X70N	FUSE_160mA_1206	1
PWR	Plug	J11, J22, J23, J24	PIN1	Plug	4
GND	Plug	J12	PIN1	Plug	1
Header 5	Header, 5-Pin	J21	HDR1X5	Header 5	1
Inductor	Inductor	L11	RES_0805	Inductor	1
Res1	Resistor	R11, R12, R13, R21, R22, R23, R24, R25, R26, R27, R28, R29, R31, R32, R33, R34, R35, R36, R210, R211	RES_0603	Res1	20
SW-SPDT	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	S11	MSK-12C02	SW-SPDT	1
DFBR030U3LP	3A Full Bridge Rectifier	U11	U-DFN4040-8	DFBR030U3LP	1
RT6150AGQW	Buck-Boost Switching Regulator IC Positive Adjustable 1.8V 1 Output 800mA 10-WFDFN Exposed Pad	U12	DFN-MF10	RT6150AGQW	1
PIC16F1619-I/ML	PIC PIC® XLP?16F Microcontroller IC 8-Bit 32MHz 14KB (8K x 14) FLASH 20-QFN (4x4)	U21	QFN-ML20_M	PIC16F1619-I/ML	1
APS12205	Sensor Hall	U22	SOT23-3	A32xx	1
TLC5947	LED Driver	U31, U32	QFN50P500X500XT00- 33N	TLC5947	2
XTAL_2520_4P	Crystal Oscillator	XT21	XT_2520_4	XTAL_2520_4P	1