

8	7	6	5	4	3	2	1
D	COVER PAGE						D
C	POWR320D						C
B	LING						B
A	2021.12.10						A
NOTE							
8	7	6	5	4	3	2	1

TITLE:	COVER PAGE	DATE:	2021.12.10
ENGINEER:	LING	PAGE:	1 OF 6

CONTENTS

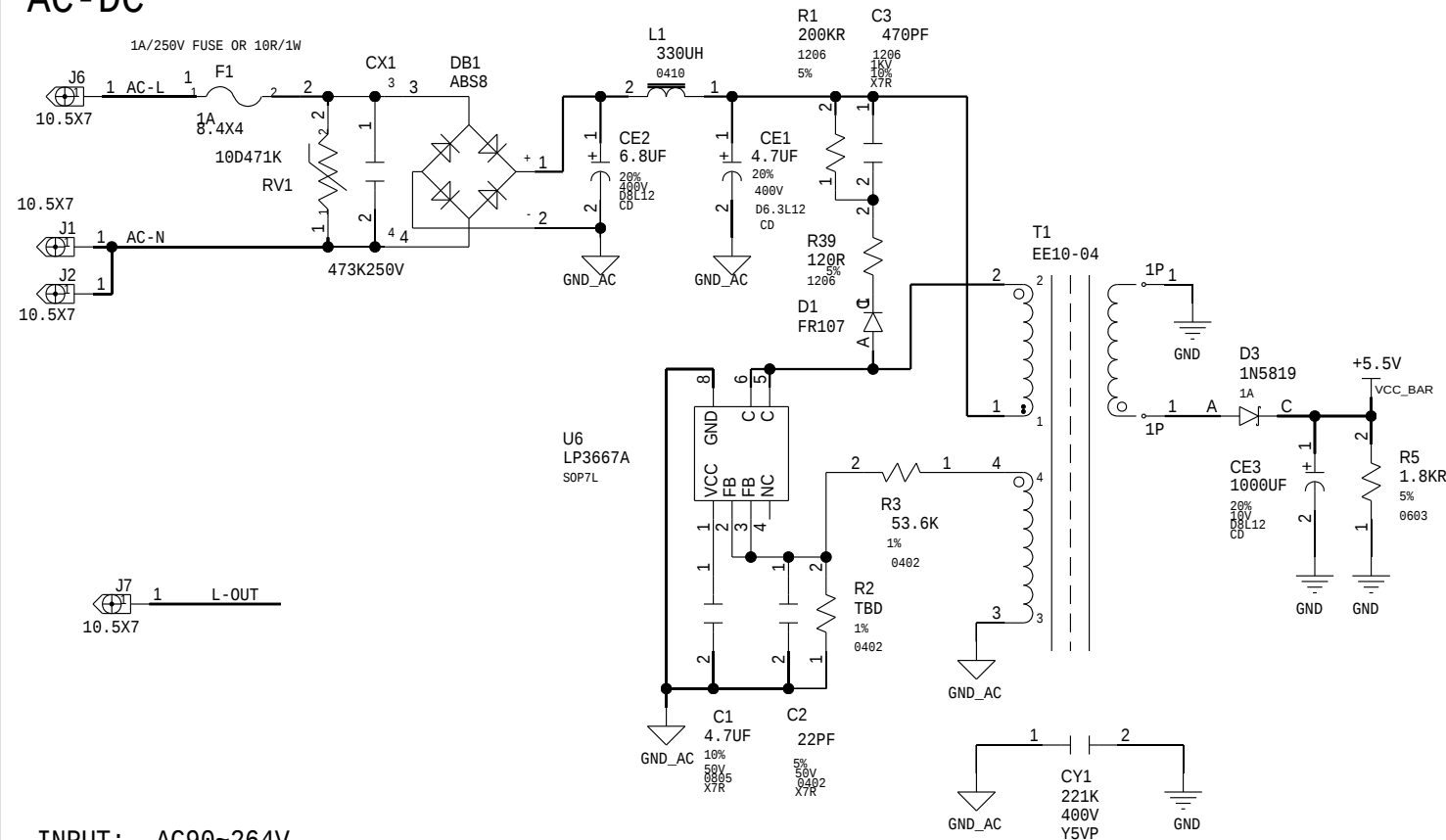
PAGE	DESCRIPTION
4	AC DC & OUTPUT
5	ESP32
6	DISPLAY

TITLE:	CONTENTS	DATE:	2021.12.10
ENGINEER:	LING	PAGE:	2 OF 6

8		7		6		5		4		3		2		1	
D	VERSION		MODIFICATION DETAILS								DESIGNER		DATE		D
	V1.0		FIRST EDITION								LING		2021.12.10		
C															C
B															B
A															A
8		7		6		5		4		3		2		1	
										TITLE: MODIFICATION LIST		DATE: 2021.12.10			
										ENGINEER: LING		PAGE: 3 OF 6			

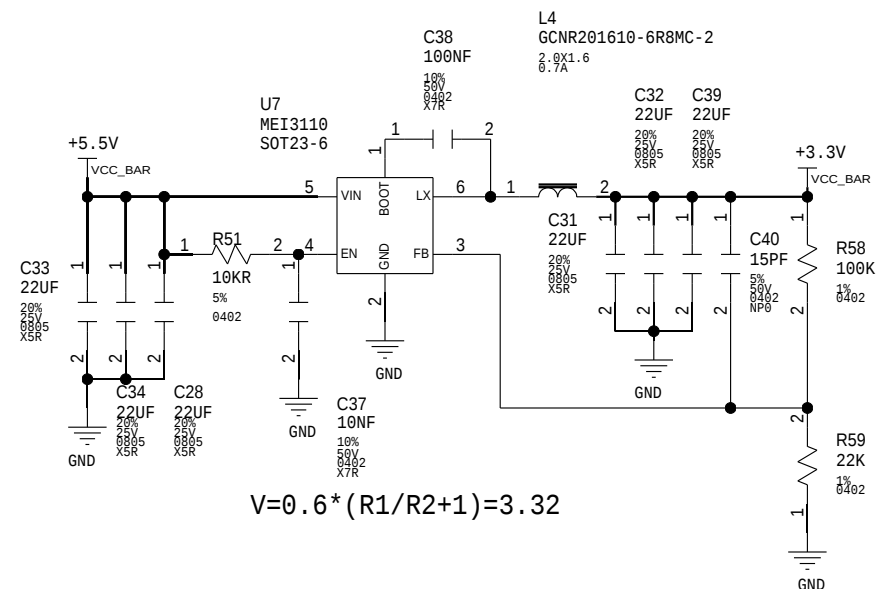
TITLE: MODIFICATION LIST		DATE: 2021.12.10
ENGINEER: LING		PAGE: 3 OF 6

AC - DC



INPUT: AC90~264V
OUTPUT: DC5.5V/0.6A MAX

DC-DC 5.5V TO 3V3

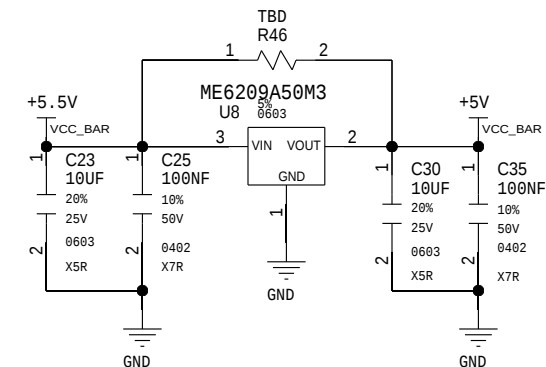


$$V = 0.6 * (R1/R2 + 1) = 3.32$$

OUTPUT: DC3V3/0.5A MAX

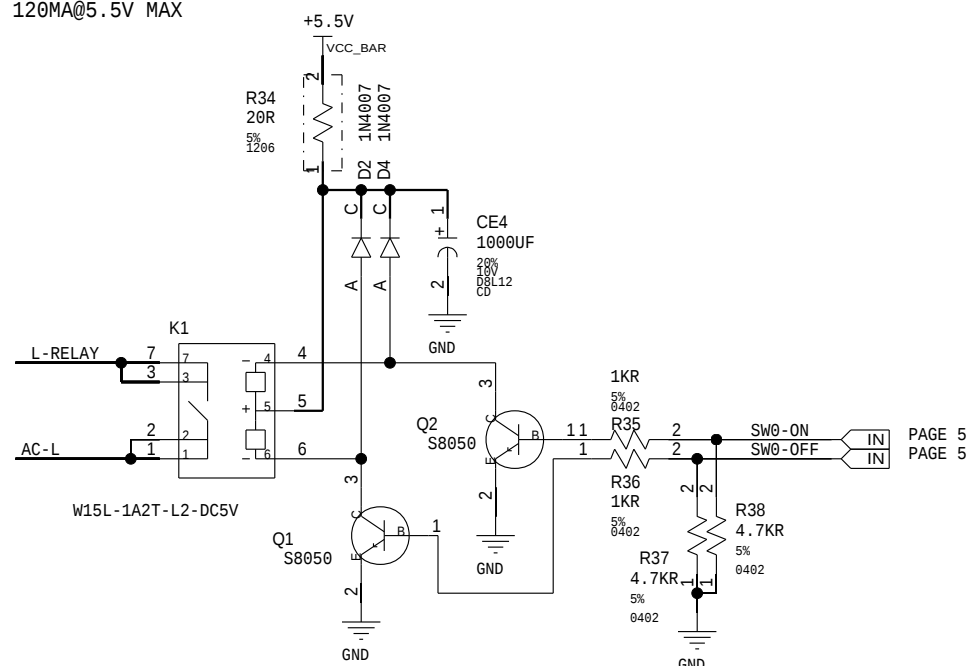
SUPPLY FOR CSE7759B

CURRENT = 5MA@5V MAX



RELAY OUTPUT(20A)

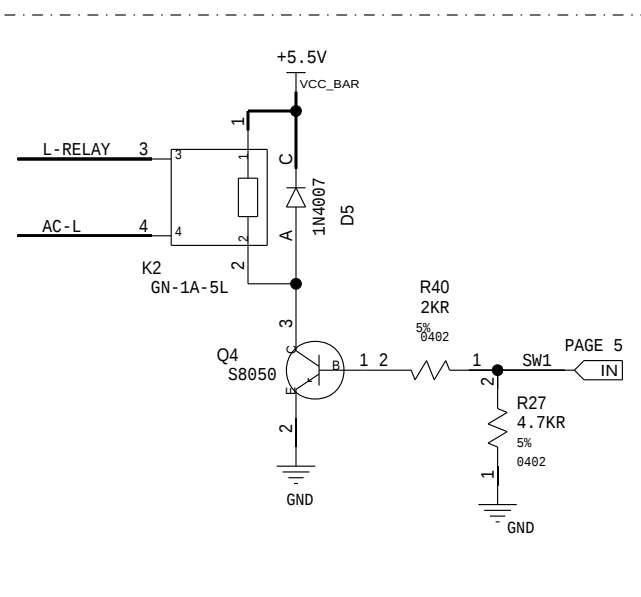
CURRENT = 120MA@5.5V MAX



SUPPORT FOR 20A MODEL

RELAY OUTPUT(16A) (BOM NC)

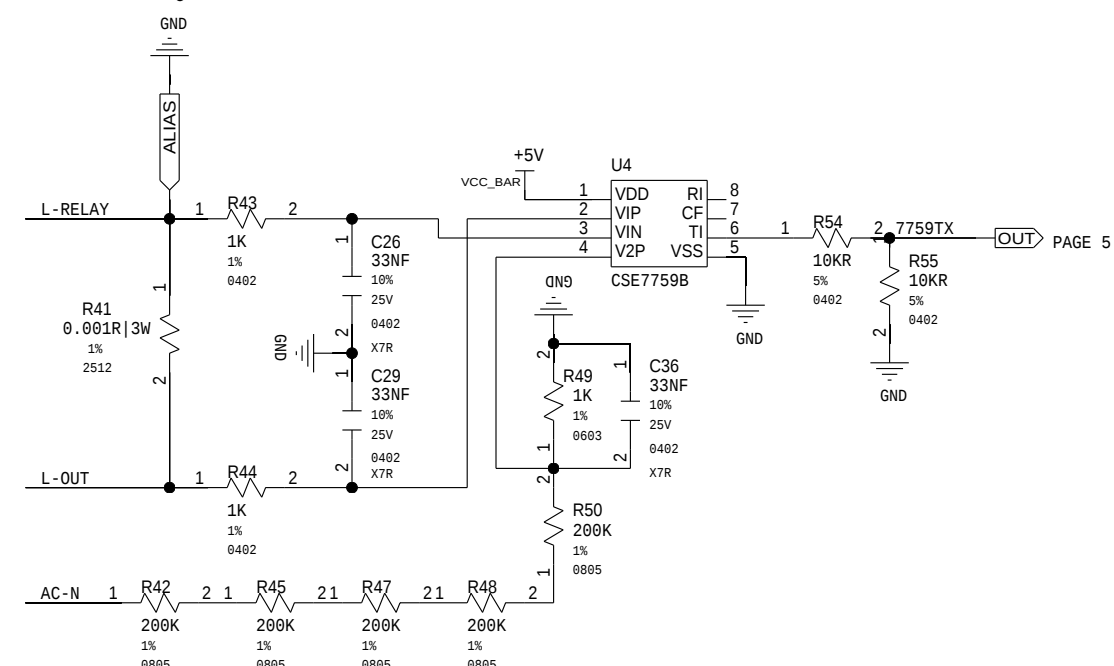
CURRENT = 40MA@5.5V MAX



SUPPORT FOR 16A MODEL

ELECTRIC ENERGY METERING

CURRENT = 5MA@5V MAX



TITLE: AC-DC&OUTPUT

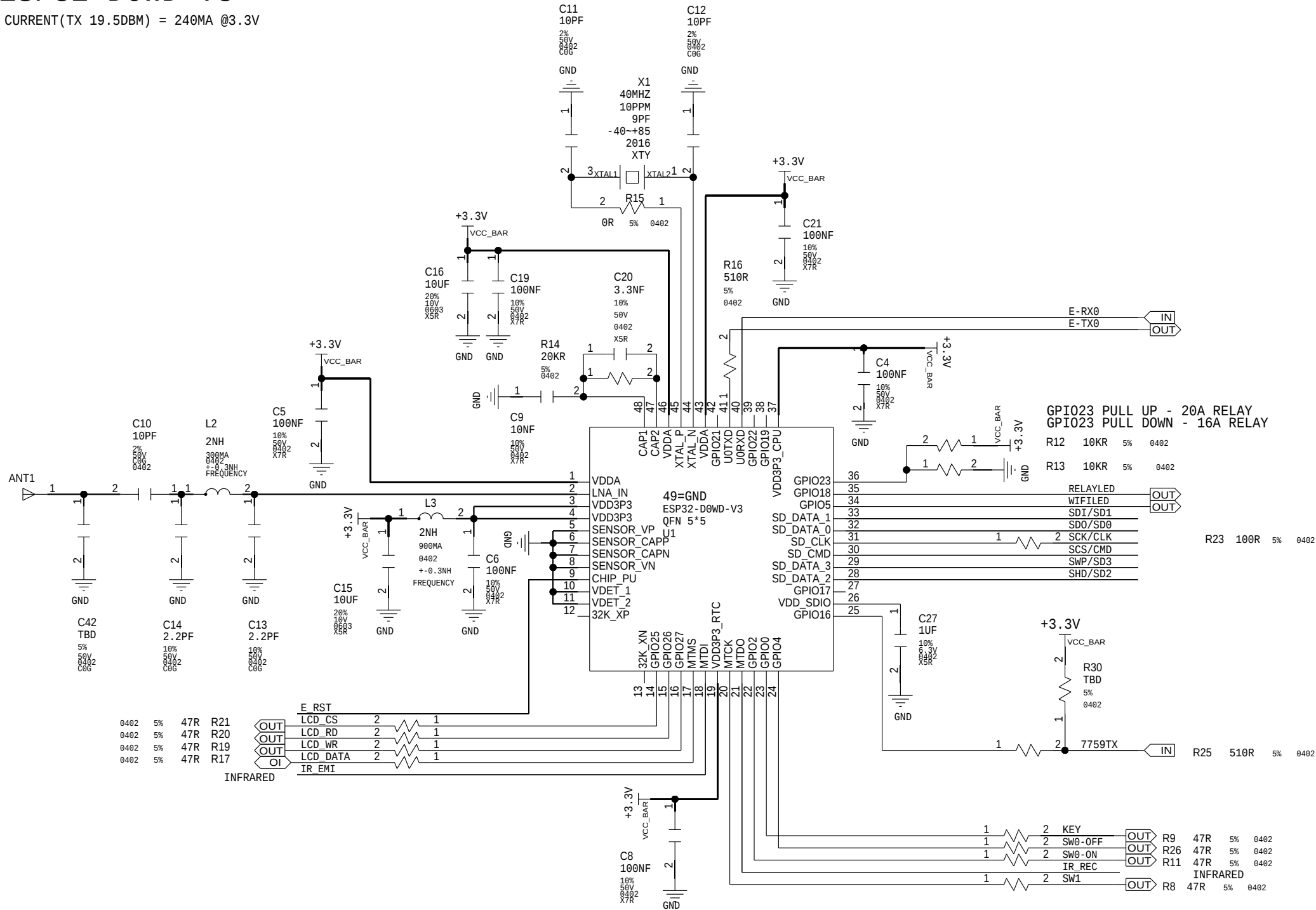
ENGINEER: LING

DATE:	2021.12.10
-------	------------

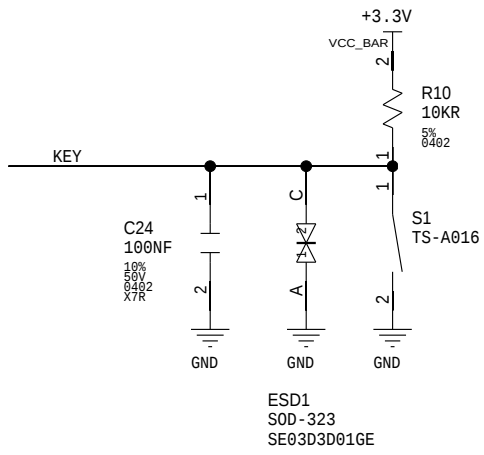
PAGE: 4 OF 6

ESP32-D0WD-V3

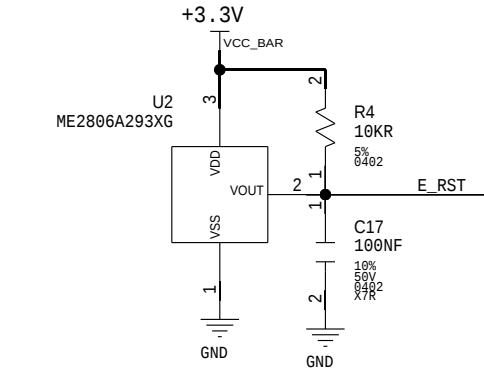
CURRENT(TX 19.5DBM) = 240MA @3.3V



KEY

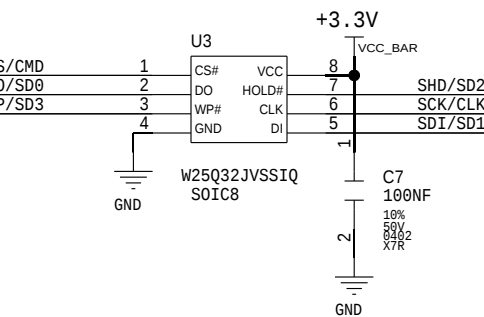


RST



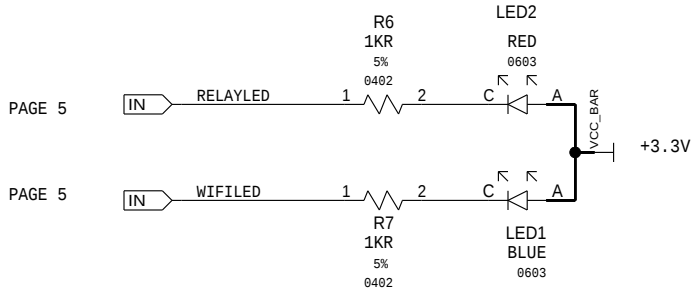
SPI FLASH

CURRENT = 25MA @3.3V MAX

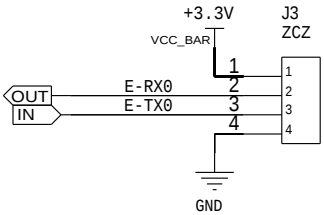


TITLE: ESP32		DATE: 2021.12.10
ENGINEER: LING		PAGE: 5 OF 6

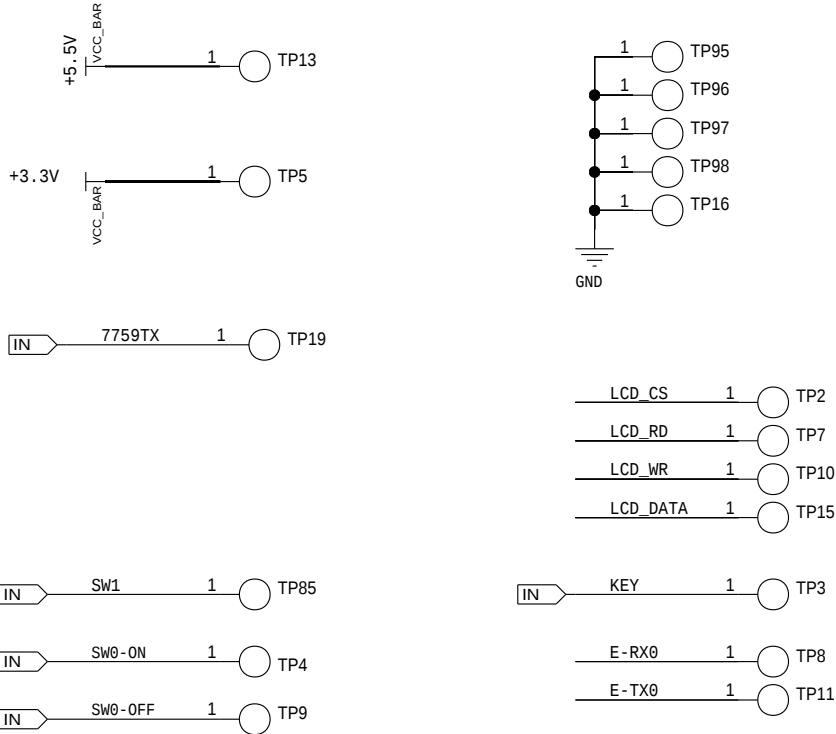
LED



ISP



TEST POINT



LCD

CURRENT = 3MA @3.3V MAX

