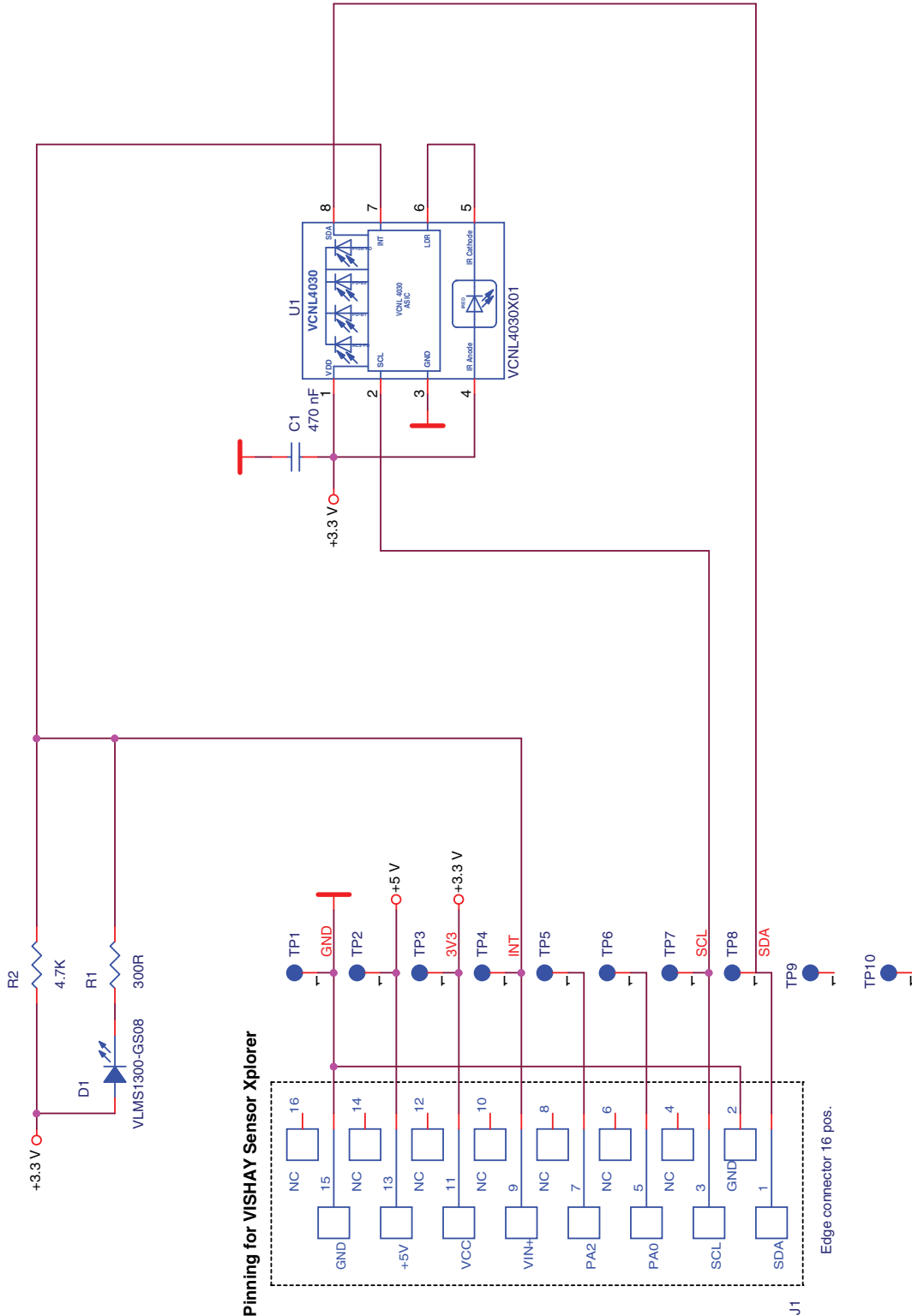


VCNL4030X01 Sensor Board

SCHEMATIC

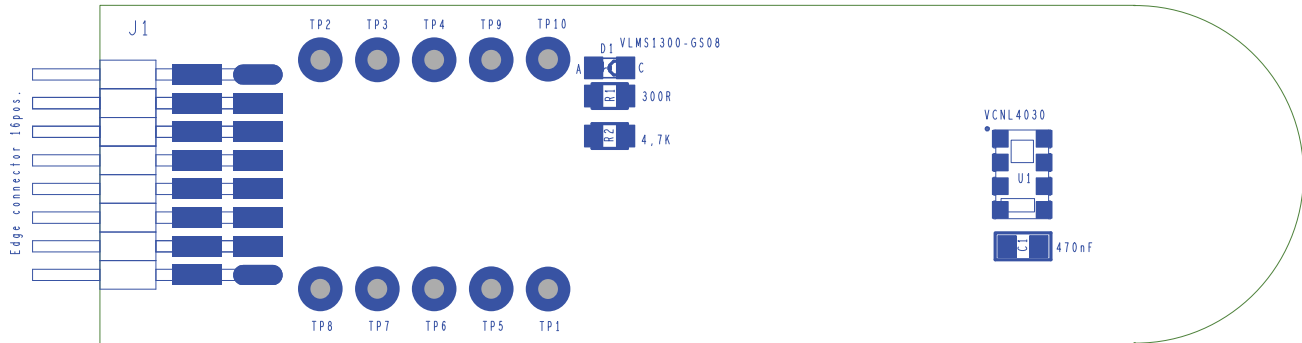


When using the VCNL4030X01 sensor board without VISHAY Sensor Explorer an additional pullup resistor (2.4 kΩ to 10 kΩ) on SDA and SCL is necessary



ASSEMBLY

VCNL4030X01 sensor board, rev. 3



Assembly top

BILL OF MATERIALS					
ITEM	QUANTITY	REFERENCE	COMPONENT CLASS	VALUE	PACKAGE
1	1	C1	Capacitor NP	470 nF	SMC1206
2	1	D1	LED red	VLMS1300	SMD0603
3	1	R1	Resistor	300 Ω	SMR0603
4	1	R2	Resistor	4.7 kΩ	SMR0603
5	1	U1	Sensor	VCNL4030X01	SMD
6	1	J1	Edge connector	2 x 8 pos.	SMD header strip
13	32 single PCB	-	PCB	VCNL4030 sensor board REV3.0	-