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| REV | Description | DATE | BY |
|------|-----------------|-----------|------|
| v1.0 | initial release | 2017/8/18 | Myer |
| | | | |

Seeed Studio

TITLE: VOC and eCO2 Gas Sensor (SGP30) v1.0

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Design:

Check:

Date: 3/1/2018 2:59 PM

Vision:

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The PCB layout includes an SMD Grove connector (J1) with pins for GND, VCC, SDA, and SCL. A voltage divider circuit (U2, XC6206P182MR) is used to step down the VCC to the sensor's VDDH pin. The SGP30 sensor (U13) is connected to VDDH, VDD, VSS, SCL, and SDA. Pull-up resistors R20 and R21 are connected to the SCL and SDA lines, respectively. Capacitors C1 and C2 are placed near the VDDH and VDD pins. The layout also shows test points TP1, TP2, TP3, and TP4.

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