Output Capacitor
220uH/10V Tantalum
LCSC Part# C17665
EIA 7343
https://datasheet.lcsc.com/szlcsc/TORCH-CA45-D-10V-220mF-K\_C171665.pdf ADC
Texas Instruments
MFR Part# ADC128S102
LCSC Part # C179666
PackageHTSSOP-16\_EP\_4.4x5.0x0.65P
https://datasheet.lcsc.com/szlcsc/Texas-Instruments-TI-ADC128S102CIMTX-NOPB\_C179666.pdf D1 Spec - 5A, 40V Schottky Rectifier, 1N5825
Selection - 5A, 40V Schottky
D0-214AC/SMA
LCSC Partle C2452
https://datasheet.lcsc.com/szlcsc/1903061001\_MDD-Jiangsu-Yutai-Elec-SS54\_C22452.pdf Connectors for Automotive Airflow Sensors #1-4 Pressure Sensors SPL06-007 LCSC Part# C233787 i2C Multiplexier LCSC Part# C21198 MFR.Part #PCA9548APW,118 TSSOP-24\_4.4xx7.8x8.65P https://datasheet.lcsc.com/szlcsc/NXP-Semicon-PCA9548APW-118\_C21198.pdf 100nF https://datasheet.lcsc.com/szlcsc/Lelon-VZT821M1E1010-TRO\_C249988.pdf 10x10mm https://datasheet.lcsc.com/szlcsc/1907081118\_Goertek-SPL06-007\_C233787.pdf VDDIO SDI/SDA SCK/SCL SPI\_SCLK

100
SPI\_MISO
100
SPI\_MOSI CS always active T SDO/ADR SPL006-007 RESET SDA1 SCL1 SDA2 SCL2 SDA3 10 3SDA SCL3 11 3SCL SDO/ADE GND SDO/ADR SDA4 13 4SDA SCL4 14 4SCL SDA5 15 5SDA 16 5SCI 33n For I2C, CSB pulled high SDI=SDA, SCK=SCL SDA6 17 6SDA SCL6 18 6SCL SDA7 19 7SDA 20 7SCL SDO: GND='0', VCC = '1' Adress: 0x77 - SDO pulled-up to VDD or NC SDO/ADR 4.096V\_REFERENCE Connectors for Sensiron Airflow sensors #1-#4 U\$58 CONN\_01 U\$60 CONN\_01 U\$62 CONN\_01 U\$61 CONN\_01 U\$15 CONN\_01 Reference Voltage Texas Instruments MFR Part# REF3040AIDBZR LCSC Part # C19415 Package SOT-23-3 https://datasheet.lcsc.com/sz U\$45 CONN\_01 SDA1 SCL1 om/szlcsc/Texas-Instruments-TI-REF3040AIDBZR\_C19415.pdf Indicator LEDs SDA2 SCL2 I2C Pullup SDA3 10 33SDA SCL3 11 33SCL Test Points Audio Alarm Generic Piezo w/6.5mm leads GND 13 4SDA 14 4SCL U\$64 CONN\_01 SDA5 15 5SDA SCL5 16 5SCL S IN GND GND PWM\_BUZZER U\$66 CONN\_01 1\$65 UNN

Regulator — LM259SX—5 https://datasheet.lcsc.com LCSC Part# C10002 Package T0—263—5

om/szlcsc/Texas-Instruments-TI-LM2596SX-5-0-NOPB\_C10002.pdf

Inductor 33uH, 4.4amps https://datasheet.lcsc.com/szlcsc/Sunlord-MWSA1004-330MT\_C143966.pdf