STR-ADAS-PREREGULATOR-GEVK – Block Diagram

STR-ADAS-PREREGULTOR-GEVB

INPUT

6~16Vdc

12V
Battery rang

Polarity protection

NCV881930
Buck sync. Contr.

NVMFS5C460NL
(X2)
MOSFET 40V

OUTPUT 1

5Vdc

NCV6357
Buck. Sync. Conv.

OUTPUT 2

0.6 ~3.3 Vdc

NCT375MNR2G
Temp. Sensor

CAT24C512
EEPROM

2V7002W
(x2)
INTERRUPT

I²C BUS

I²C BUS

**STRATA
(Assisted)**

GPIOS
INTERRUPT
V MEAS.
I MEAS (NCS214RSQT2G)

1

Internal Use Only

ON