O2 SENSOR READER

TO CENTRAL CHANNEL MOTHERBOARD

UART CONNECTOR (MOLEX - 532540670)

A   B

RS485 TRANSCEIVER (SN75HVD12)

RESET

BOOT

FILTER

VREF

MCU (STM32F301K6)

UART_RTS

UART_RX

UART_TX

ADC

DIFF. AMPLIFIER (AD8608)

AMPLIFIER (AD8608)

O2 SENSOR CONNECTOR (MOLEX - 532540370)

3.3 VDC