Hardware Overview

4 layer PCB, with power and ground planes

(1) 32-bit ARM Cortex M4, (2) 64 Mbit SDRAM, (3) Connector for 2.8" Color LCD Display, (4) Safety critical LED indicators, (5) Auxiliary LED bargraph, (6) 5V and 3.3V power supplies, (7) CAN transceiver, (8) Auxiliary LED arc, (9) Connector / input protection

Top Layer

Bottom Layer

(1) Power input transient/under/over/reverse voltage protection, (2) I2C LED drivers, (3) Connector for buttons

High Level Schematics

Microcontroller

CAN