**SDRR LIDO** 

07/04/2022

**Version and Revision** 

Variant: **Development** 

**Sample Type: B-Sample** 

## Sch. & PCB Freezed

Page	Index	Page	Index
1	Cover Page	11	Microcontroller Peripherals 2
2	Revision History	12	Microcontroller and Reset
3	Block Diagram	13	Security and Temperature Sensor
4	Front Connector	14	Vehicle Interface
5	Rear Connector	15	Display Interface
6	Input Voltage and Power Supplies	16	Status Light Interface
7	Input Stage	17	Accessory Interfaces
8	Output stage 1	18	
9	Output stage 2	19	
10	Microcontroller Peripherals 1	20	
DESIGN CONSIDERATIONS			

Example text for informational

Example text for cautionary design notes.

DESIGN NOTE: Example text for debug notes.

Example text for critical design notes.

LAYOUT NOTE: Example text for critical layout guidelines.

**TOP VIEW** 

**BOTTOM VIEW** 

Title: \* Dott (emTransit B.V.) Westerdok Date: 20/05/2022 Engineer: FG dott Part Number: \*xxxxx Van Diemenstraat 292 1013 CR, Amsterdam Size: A3 | Sheet 1 of 17 | Version: 0

The Netherlands 4

**ID002 - Revision History HISTORY** Index Date 29/04/2022 Draft schematic wiht symbo only ready for first reviews within team and Vladimir (external) 04/05/2022 V0.1 - Corrections based on the first sch. review meeting. V0.2 - Vladimir's comments/suggestions added to schematic.
Old symbol where replaced by real components (Symbol + Footprint) from the databsae library with the part numbers provided by Vladimir.
Some of the part numbers change due to no stock, main parameter remains. 17/05/2022 V0.3 - Connectors and Capacitors changed due to space constrains.

- New connectors have smaller pitch. Main connector with 1.50mm pitch; Ratings: 100Volts and up to 2.0Amp. Sensor's conenctor with 1.25mm pitch; Ratings: 50Volts and up to 1.0Amp.

- Some Polymer Caps change to MLCC caps due to space constrains. 01/06/2022 - Component placement completed in this revision. Title: \* Dott (emTransit B.V.) Westerdok Date: 20/05/2022 Engineer: FG dott Part Number: \*xxxxx Van Diemenstraat 292 1013 CR, Amsterdam Size: A3 | Sheet 2 of 17 | Version: 0 4





























