

Sync Buck DC-DC power pre-regulator

TITLE: EEZ DIB DCP405 r3B3a

Document Number:

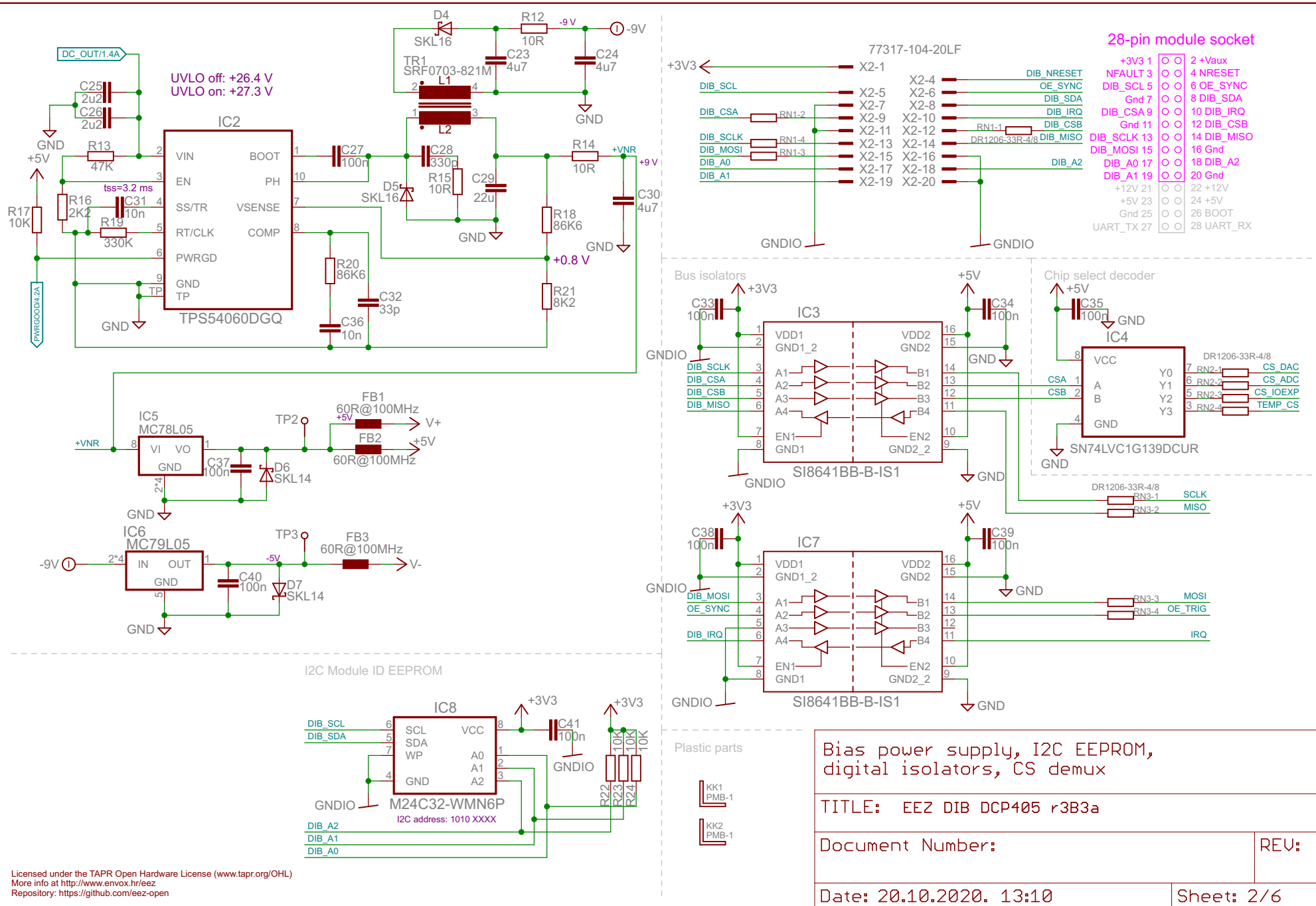
REV:

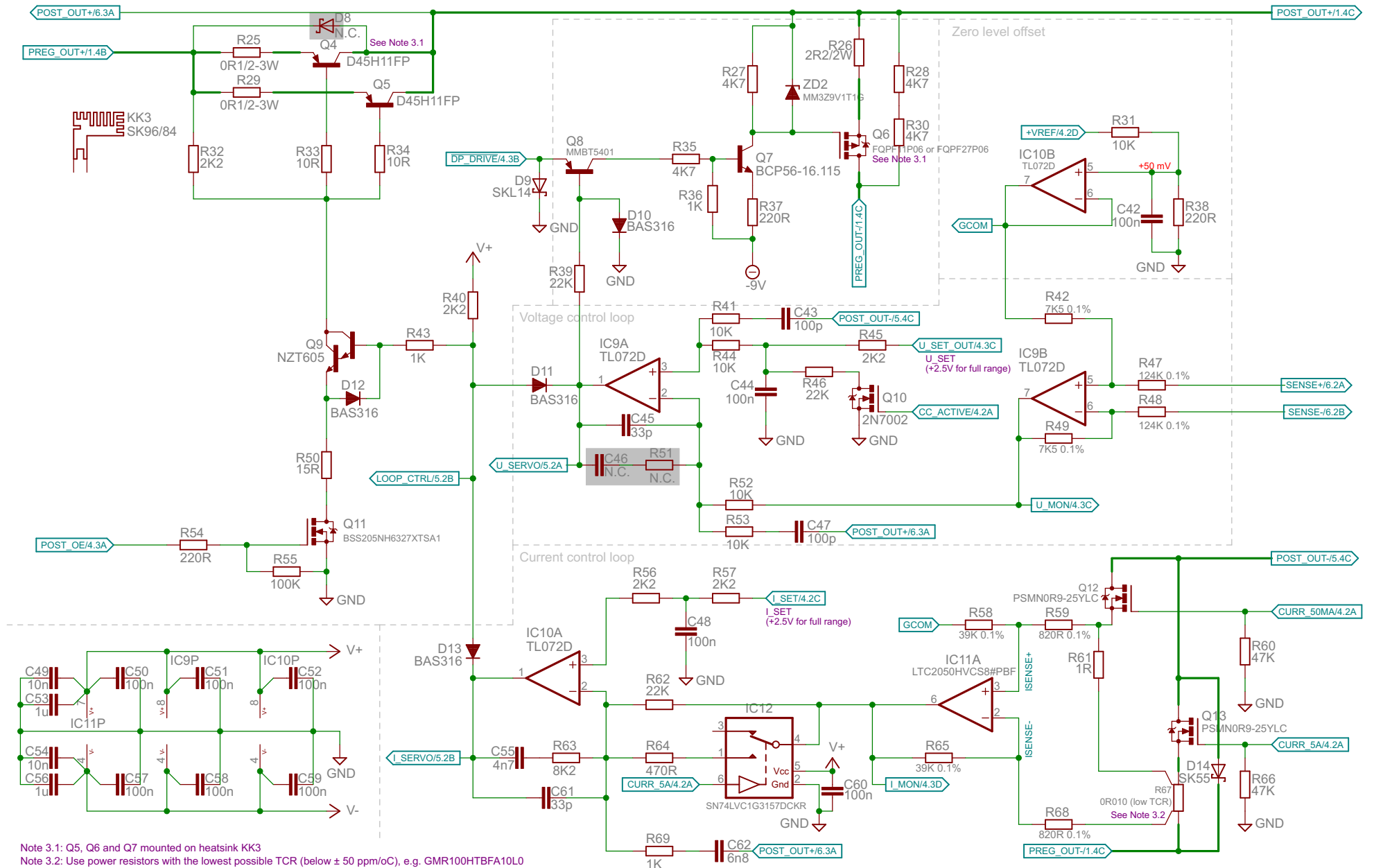
Date: 20.10.2020. 13:10

Sheet: 1/6



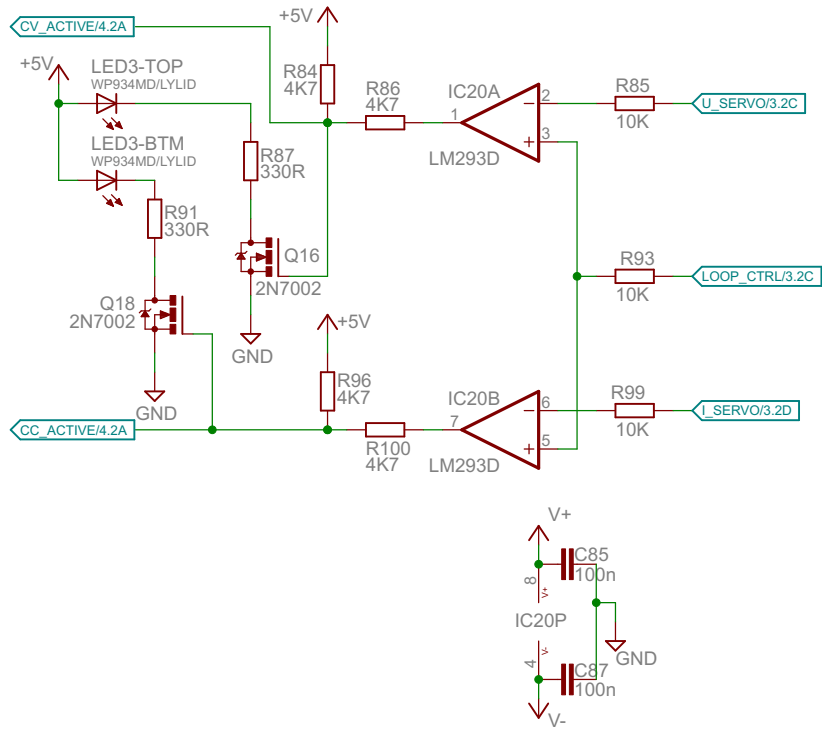
HR000002  
Licensed under the TAPR Open Hardware License ([www.tapr.org/OHL](http://www.tapr.org/OHL))  
More info at <http://www.envox.hr/eez>  
Repository: <https://github.com/eez-open>



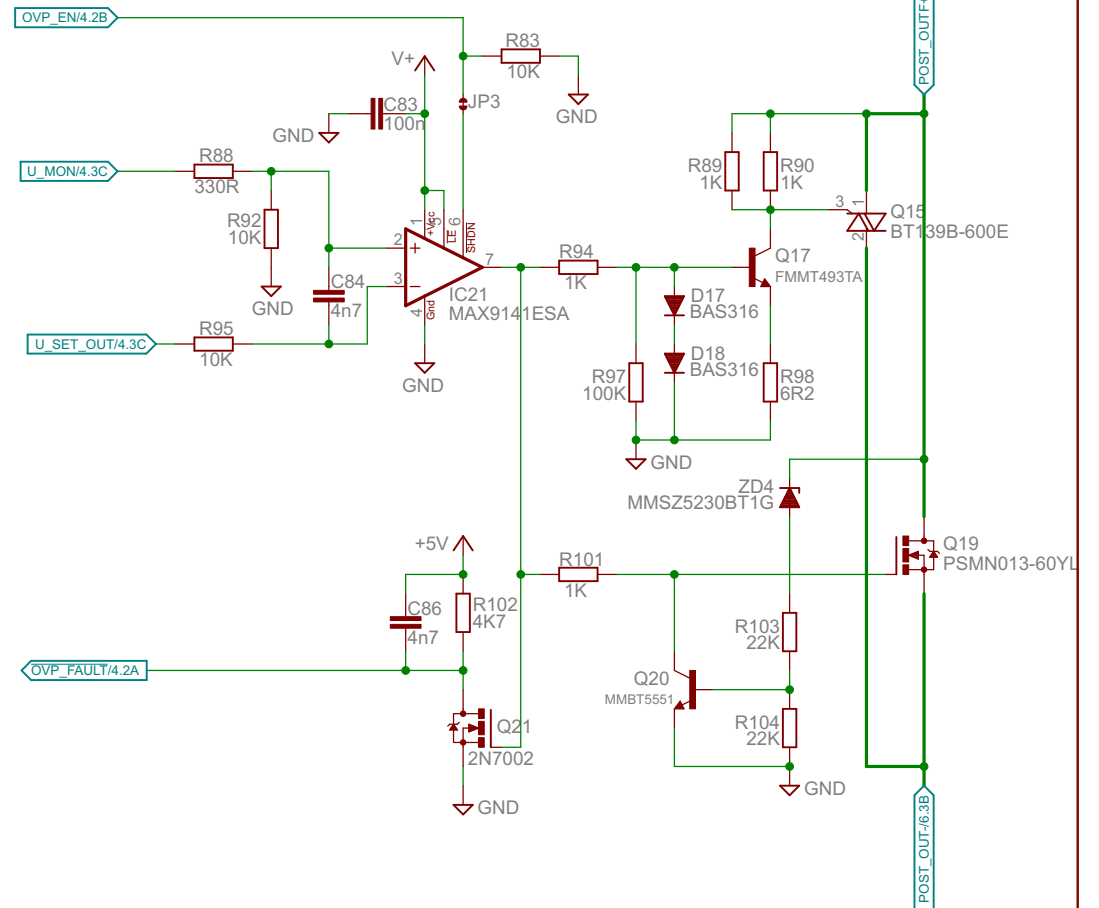




# Constant Voltage (CV) and Constant Current (CC) mode detection and indication



# Over-voltage protection (OVP)



CC/CV mode detection and indication, HW OVP

TITLE: EEZ DIB DCP405 r3B3a

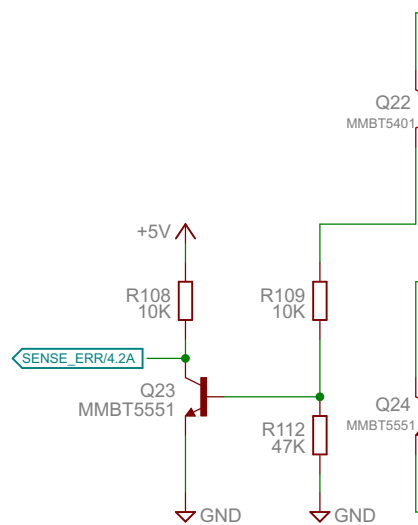
Document Number:

REV:

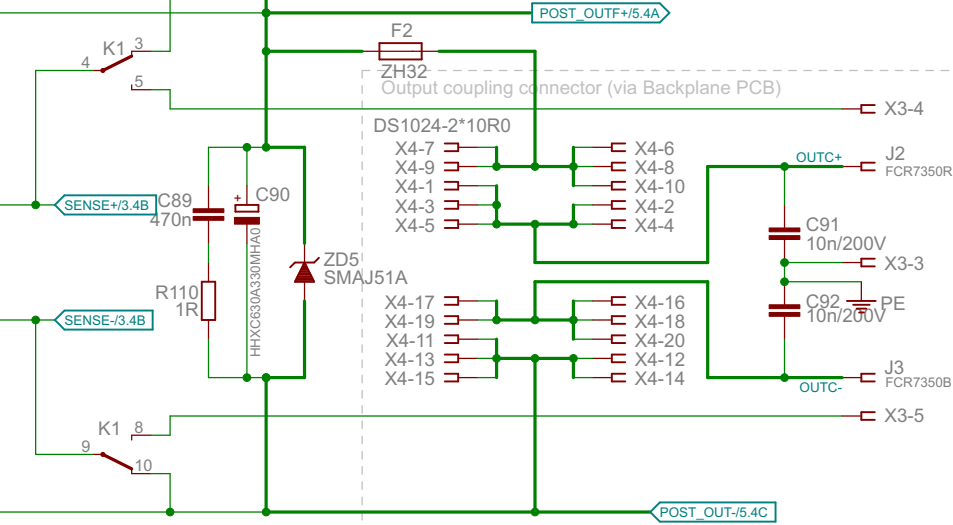
Date: 20.10.2020. 13:10

Sheet: 5/6

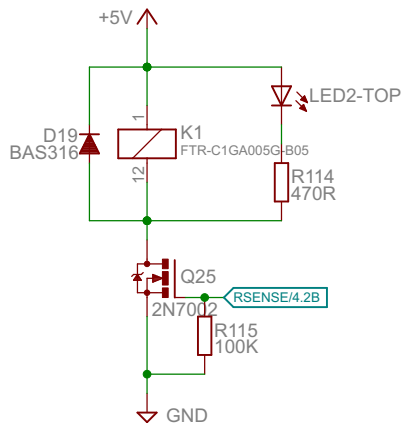
# Remote sense reverse polarity detection



# Power output section



# Remote sense selection



# 20-pin power socket

OUTC+ 1	2 OUTC+
OUTC+ 3	4 OUTC+
OUTC+ 5	6 POST_OUT+ (fused)
POST_OUT+ (fused) 7	8 POST_OUT+ (fused)
POST_OUT+ (fused) 9	10 POST_OUT+ (fused)
POST_OUT- 11	12 POST_OUT-
POST_OUT- 13	14 POST_OUT-
POST_OUT- 15	16 OUTC-
OUTC- 17	18 OUTC-
OUTC- 19	20 OUTC-

Rsense polarity protection  
Output coupling, Rsense relay

TITLE: EEZ DIB DCP405 r3B3a

Document Number:

REV:

Date: 20.10.2020. 13:10

Sheet: 6/6