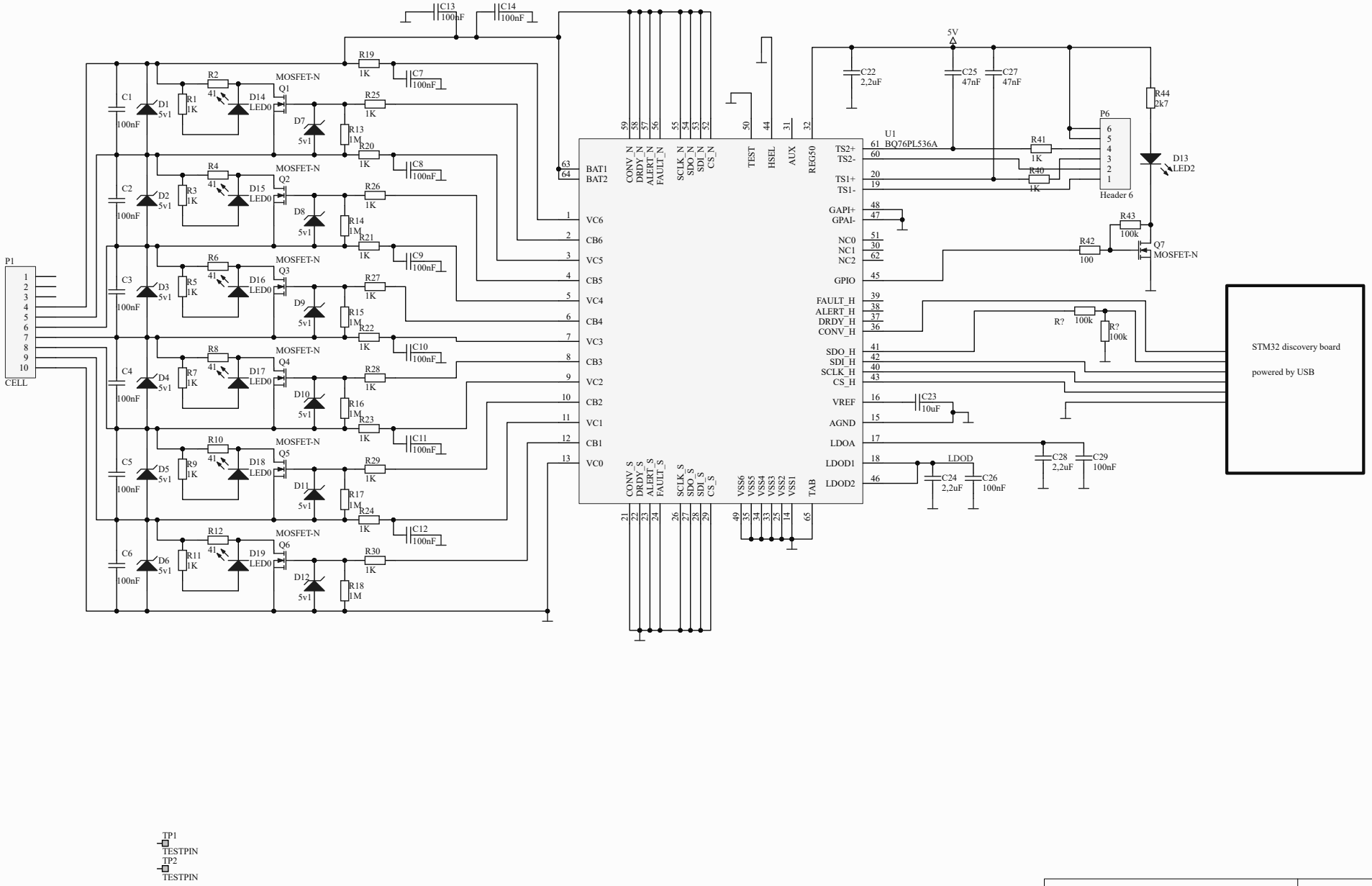
P1
CELL
C1
C2
C3
C4
C5
C6
100nF
D1
D2
D3
D4
D5
D6
5v1
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
1K
41
D14
D15
D16
D17
D18
D19
LED0
Q1
Q2
Q3
Q4
Q5
Q6
MOSFET-N
D7
D8
D9
D10
D11
D12
R13
R14
R15
R16
R17
R18
1M
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
C7
C8
C9
C10
C11
C12
C13
C14
U1
BQ76PL536A
BAT1
BAT2
VC6
CB6
VC5
CB5
VC4
CB4
VC3
CB3
VC2
CB2
VC1
CB1
VC0
CONV_N
DRDY_N
ALERT_N
FAULT_N
SCLK_N
SDO_N
SDI_N
CS_N
TEST
HSEL
AUX
REG50
TS2+
TS2-
TS1+
TS1-
GAPI+
GPAI-
NC0
NC1
NC2
GPIO
FAULT_H
ALERT_H
DRDY_H
CONV_H
SDO_H
SDI_H
SCLK_H
CS_H
VREF
AGND
LDOA
LDOD1
LDOD2
CONV_S
DRDY_S
ALERT_S
FAULT_S
SCLK_S
SDO_S
SDI_S
CS_S
VSS6
VSS5
VSS4
VSS3
VSS2
VSS1
TAB
5V
C22
2,2uF
C25
47nF
C27
47nF
R41
1K
R40
1K
P6
Header 6
R44
2k7
D13
LED2
R43
100k
R42
100
Q7
MOSFET-N
R?
100k
R?
100k
C23
10uF
LDOD
C24
2,2uF
C26
100nF
C28
2,2uF
C29
100nF
STM32 discovery board
powered by USB
TP1
TESTPIN
TP2
TESTPIN