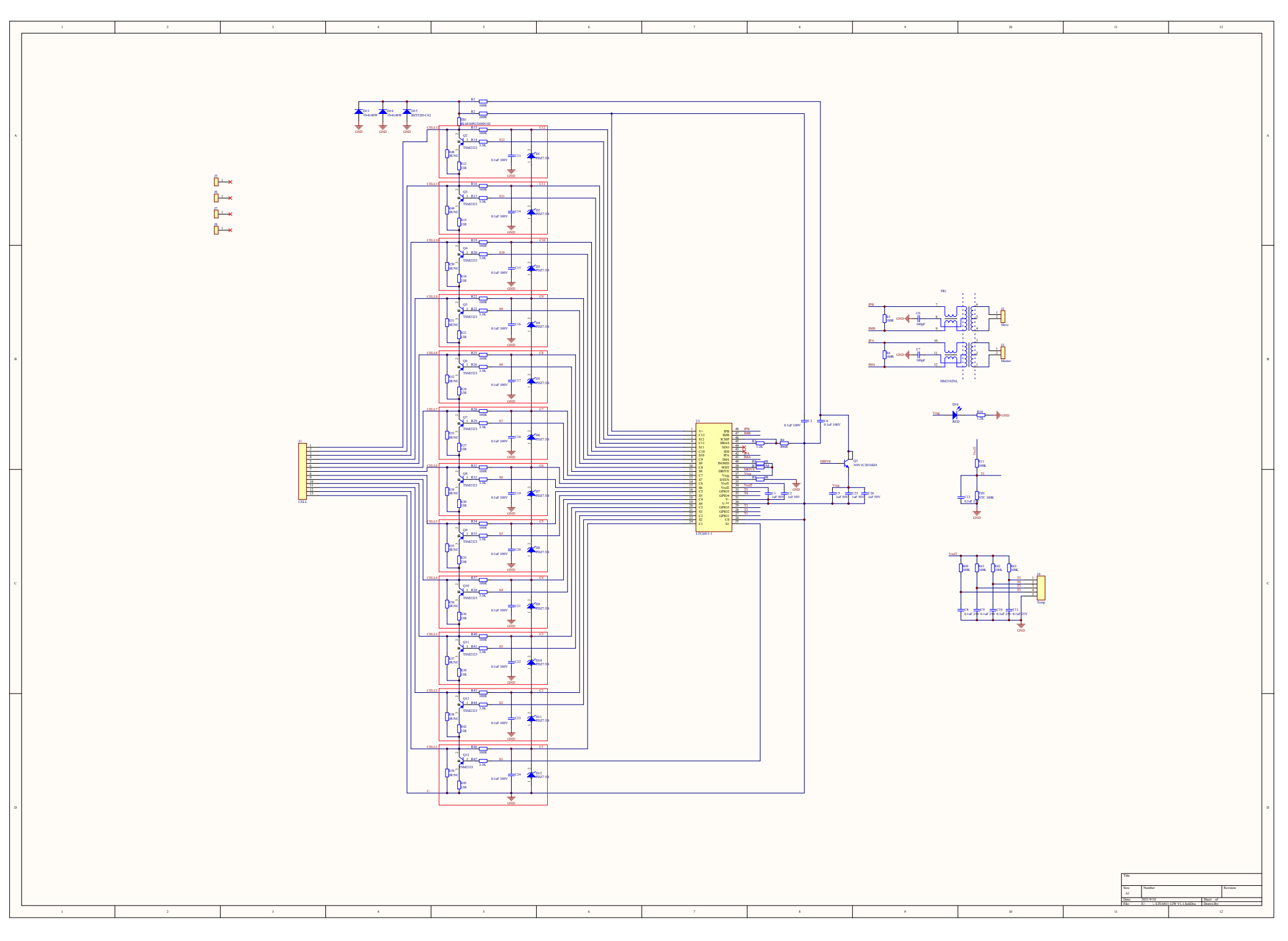
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D14 IN4148W
D15 BZT52H-C62
GND
R1 100R
R2 100E
R3 HLM1HPG100SNHD
CELL12
CELL11
CELL10
CELL9
CELL8
CELL7
CELL6
CELL5
CELL4
CELL3
CELL2
CELL1
C-
Q2 TSM2323
Q3 TSM2323
Q4 TSM2323
Q5 TSM2323
Q6 TSM2323
Q7 TSM2323
Q8 TSM2323
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Q10 TSM2323
Q11 TSM2323
Q12 TSM2323
Q13 TSM2323
R13 5.1K
R14 5.1K
R17 5.1K
R18 5.1K
R21 5.1K
R22 5.1K
R25 5.1K
R26 5.1K
R29 5.1K
R30 5.1K
R33 5.1K
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R12 51R
R15 51R
R16 100E
R19 51R
R20 100E
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R27 51R
R28 100E
R31 51R
R32 100E
R35 51R
R36 100E
R39 51R
R40 100E
R42 51R
R43 100E
R44 51R
R47 51R
R48 100E
R49 51R
C12 S12 C13 0.1uF 100V
C11 S11 C14 0.1uF 100V
C10 S10 C15 0.1uF 100V
C9 S9 C16 0.1uF 100V
C8 S8 C17 0.1uF 100V
C7 S7 C18 0.1uF 100V
C6 S6 C19 0.1uF 100V
C5 S5 C20 0.1uF 100V
C4 S4 C21 0.1uF 100V
C3 S3 C22 0.1uF 100V
C2 S2 C23 0.1uF 100V
C1 S1 C24 0.1uF 100V
TVS12 SMAJ33A
TVS11 SMAJ33A
TVS10 SMAJ33A
TVS9 SMAJ33A
TVS8 SMAJ33A
TVS7 SMAJ33A
TVS6 SMAJ33A
TVS5 SMAJ33A
TVS4 SMAJ33A
TVS3 SMAJ33A
TVS2 SMAJ33A
TVS1 SMAJ33A
J1 CELL
U1 LTC6811-1
V-
C12
S12
ICMP
IBIAS
S11
C10
S10
IPA
IMA
ISOMD
WDT
DRIVE
Vreg
DTEN
VrefI
VrefE
GPIO5
GPIO4
V-/*
GPIO3
GPIO2
GPIO1
C0
S0
IPB
IMB
SDO
SDI
R4 1.2K
R5 806E
R6 100E
R7 100E
R8 100E
R9 100E
C3 0.1uF 100V
C4 0.1uF 100V
C1 1uF 50V
C2 1uF 50V
Q1 NSV1C201MZ4
DRIVE
Vreg
C25 1uF 50V
C26 1uF 50V
TR1 HM2102NL
IPB
IMB
IPA
IMA
R1 100R
R2 100R
C6 1000pF
C7 1000pF
J2 Slave
J3 Master
D16 RED
R10 510R
R11 100K
R60 100K
R61 100K
R62 100K
R63 100K
T1 NTC 100K
C12 0.1uF 25V
C8 0.1uF 25V
C9 0.1uF 25V
C10 0.1uF 25V
C11 0.1uF 25V
J4 Temp
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Number:
Revision:
Date: 2021/9/10
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Drawn By: