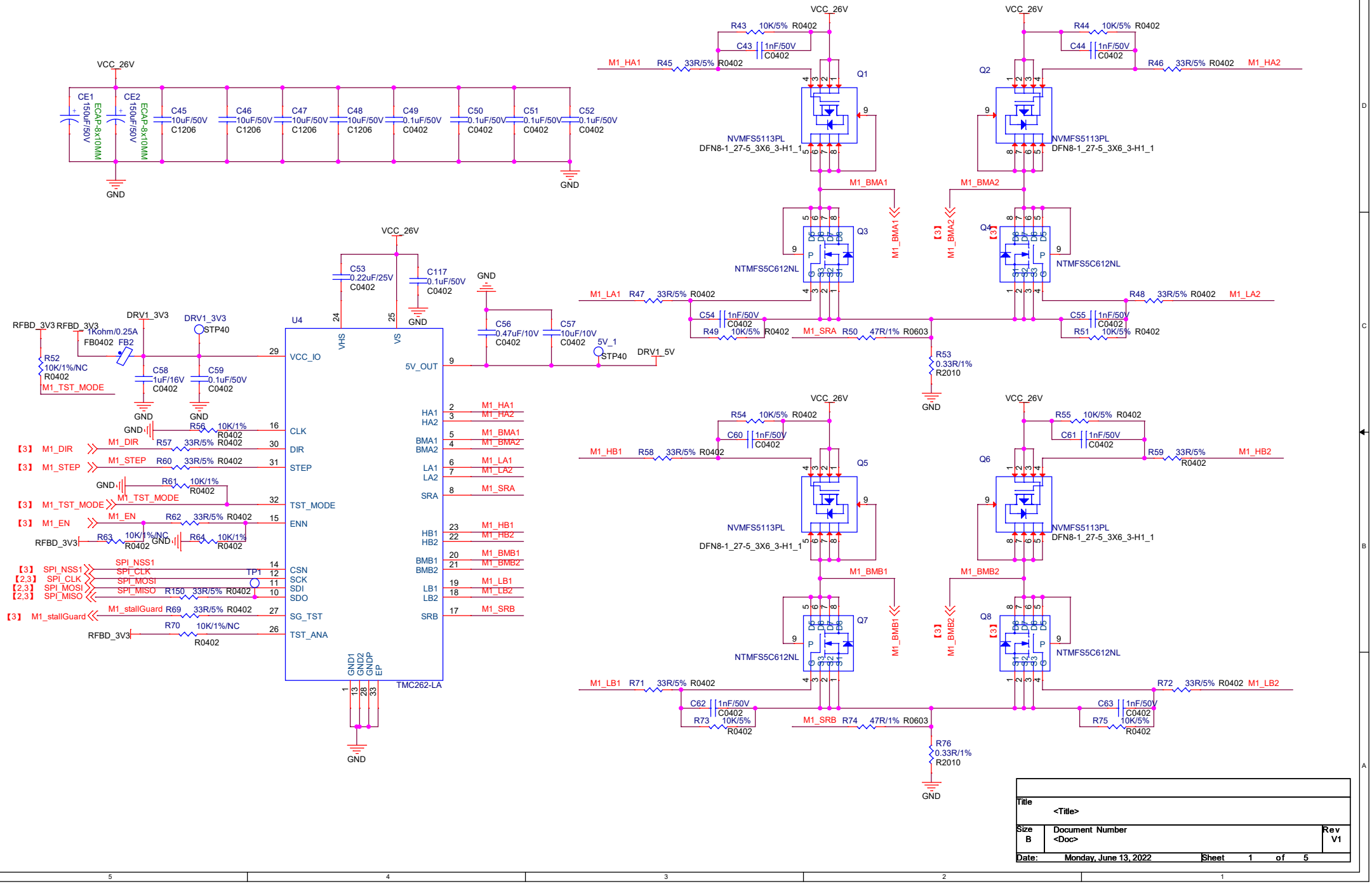
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CE2 150uF/50V ECAP-8x10MM
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C46 10uF/50V C1206
C47 10uF/50V C1206
C48 10uF/50V C1206
C49 0.1uF/50V C0402
C50 0.1uF/50V C0402
C51 0.1uF/50V C0402
C52 0.1uF/50V C0402
GND
R43 10K/5% R0402
C43 1nF/50V C0402
M1_HA1
R45 33R/5% R0402
Q1
NVMFS5113PL DFN8-1_27-5_3X6_3-H1_1
R44 10K/5% R0402
C44 1nF/50V C0402
R46 33R/5% R0402 M1_HA2
Q2
NVMFS5113PL DFN8-1_27-5_3X6_3-H1_1
M1_BMA1
M1_BMA2
Q3
NTMFS5C612NL
Q4
NTMFS5C612NL
M1_LA1 R47 33R/5% R0402
C54 1nF/50V C0402
R49 10K/5% R0402
M1_SRA R50 47R/1% R0603
R53 0.33R/1% R2010
R48 33R/5% R0402 M1_LA2
C55 1nF/50V C0402
R51 10K/5% R0402
C53 0.22uF/25V C0402
C117 0.1uF/50V C0402
C56 0.47uF/10V C0402
C57 10uF/10V C0402
5V_1
STP40
DRV1_5V
RFBD_3V3
1Kohm/0.25A FB0402 FB2
DRV1_3V3
STP40
R52 10K/1%/NC R0402 M1_TST_MODE
C58 1uF/16V C0402
C59 0.1uF/50V C0402
U4
VCC_IO
VHS
VS
5V_OUT
CLK
DIR
STEP
TST_MODE
ENN
CSN
SCK
SDI
SDO
SG_TST
TST_ANA
GND1
GND2
GNDP
EP
TMC262-LA
R56 10K/1% R0402
【3】 M1_DIR R57 33R/5% R0402
【3】 M1_STEP R60 33R/5% R0402
R61 10K/1% R0402
【3】 M1_TST_MODE
【3】 M1_EN R62 33R/5% R0402
R63 10K/1%/NC R0402
R64 10K/1% R0402
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【2,3】 SPI_CLK
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R150 33R/5% R0402
【3】 M1_stallGuard R69 33R/5% R0402
R70 10K/1%/NC R0402
HA1 HA2 M1_HA1 M1_HA2
BMA1 BMA2 M1_BMA1 M1_BMA2
LA1 LA2 M1_LA1 M1_LA2
SRA M1_SRA
HB1 HB2 M1_HB1 M1_HB2
BMB1 BMB2 M1_BMB1 M1_BMB2
LB1 LB2 M1_LB1 M1_LB2
SRB M1_SRB
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C60 1nF/50V C0402
M1_HB1 R58 33R/5% R0402
Q5
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R55 10K/5% R0402
C61 1nF/50V C0402
R59 33R/5% R0402 M1_HB2
Q6
NVMFS5113PL DFN8-1_27-5_3X6_3-H1_1
M1_BMB1
M1_BMB2
Q7
NTMFS5C612NL
Q8
NTMFS5C612NL
M1_LB1 R71 33R/5% R0402
C62 1nF/50V C0402
R73 10K/5% R0402
M1_SRB R74 47R/1% R0603
R76 0.33R/1% R2010
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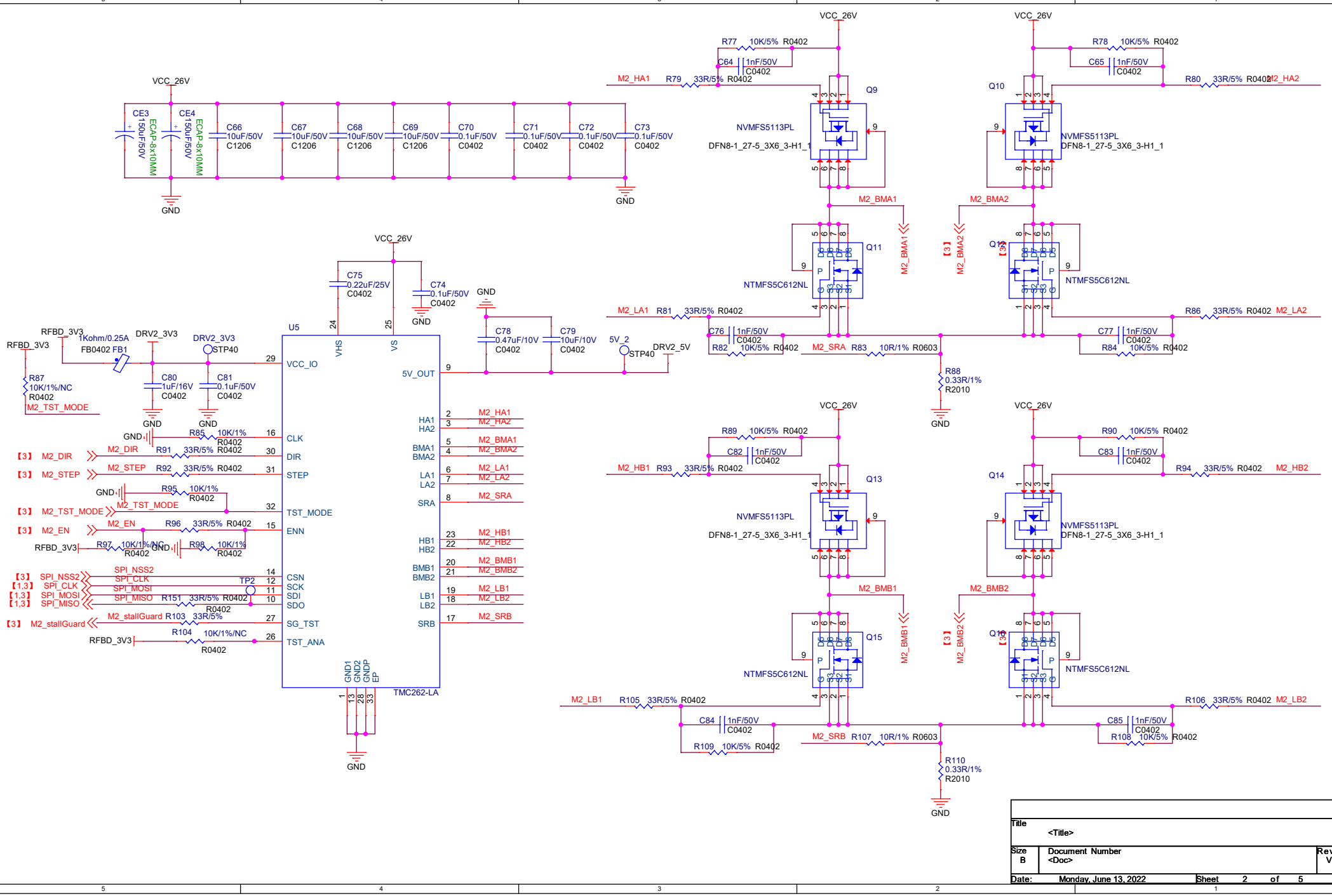
Rev V1
Date: Monday, June 13, 2022
Sheet 1 of 5


VCC_26V
CE3 150uF/50V ECAP-8x10MM
CE4 150uF/50V ECAP-8x10MM
C66 10uF/50V C1206
C67 10uF/50V C1206
C68 10uF/50V C1206
C69 10uF/50V C1206
C70 0.1uF/50V C0402
C71 0.1uF/50V C0402
C72 0.1uF/50V C0402
C73 0.1uF/50V C0402
GND
R77 10K/5% R0402
C64 1nF/50V C0402
M2_HA1
R79 33R/5% R0402
Q9
NVMFS5113PL
DFN8-1_27-5_3X6_3-H1_1
R78 10K/5% R0402
C65 1nF/50V C0402
R80 33R/5% R0402
M2_HA2
Q10
M2_BMA1
M2_BMA2
Q11
NTMFS5C612NL
M2_LA1
R81 33R/5% R0402
C76 1nF/50V C0402
R82 10K/5% R0402
M2_SRA
R83 10R/1% R0603
R86 33R/5% R0402 M2_LA2
C77 1nF/50V C0402
R84 10K/5% R0402
R88 0.33R/1% R2010
U5
C75 0.22uF/25V C0402
C74 0.1uF/50V C0402
C78 0.47uF/10V C0402
C79 10uF/10V C0402
5V_2
STP40
DRV2_5V
RFBD_3V3
1Kohm/0.25A
FB0402 FB1
DRV2_3V3
R87 10K/1%/NC R0402 M2_TST_MODE
C80 1uF/16V C0402
C81 0.1uF/50V C0402
VCC_IO
VHS
VS
5V_OUT
CLK
DIR
STEP
TST_MODE
ENN
CSN
SCK
SDI
SDO
SG_TST
TST_ANA
GND1
GND2
GNDP
EP
TMC262-LA
HA1
HA2
BMA1
BMA2
LA1
LA2
SRA
HB1
HB2
BMB1
BMB2
LB1
LB2
SRB
M2_HA1
M2_HA2
M2_BMA1
M2_BMA2
M2_LA1
M2_LA2
M2_SRA
M2_HB1
M2_HB2
M2_BMB1
M2_BMB2
M2_LB1
M2_LB2
M2_SRB
R85 10K/1% R0402
M2_DIR
R91 33R/5% R0402
M2_STEP
R92 33R/5% R0402
R95 10K/1% R0402
M2_TST_MODE
M2_EN
R96 33R/5% R0402
R97 10K/1%/NC R0402
R98 10K/1% R0402
SPI_NSS2
SPI_CLK
SPI_MOSI
SPI_MISO
TP2
R151 33R/5% R0402
M2_stallGuard
R103 33R/5%
R104 10K/1%/NC R0402
R89 10K/5% R0402
C82 1nF/50V C0402
M2_HB1
R93 33R/5% R0402
Q13
Q14
M2_LB1
R105 33R/5% R0402
C84 1nF/50V C0402
R109 10K/5% R0402
M2_SRB
R107 10R/1% R0603
R90 10K/5% R0402
C83 1nF/50V C0402
R94 33R/5% R0402 M2_HB2
Q15
Q16
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Document Number
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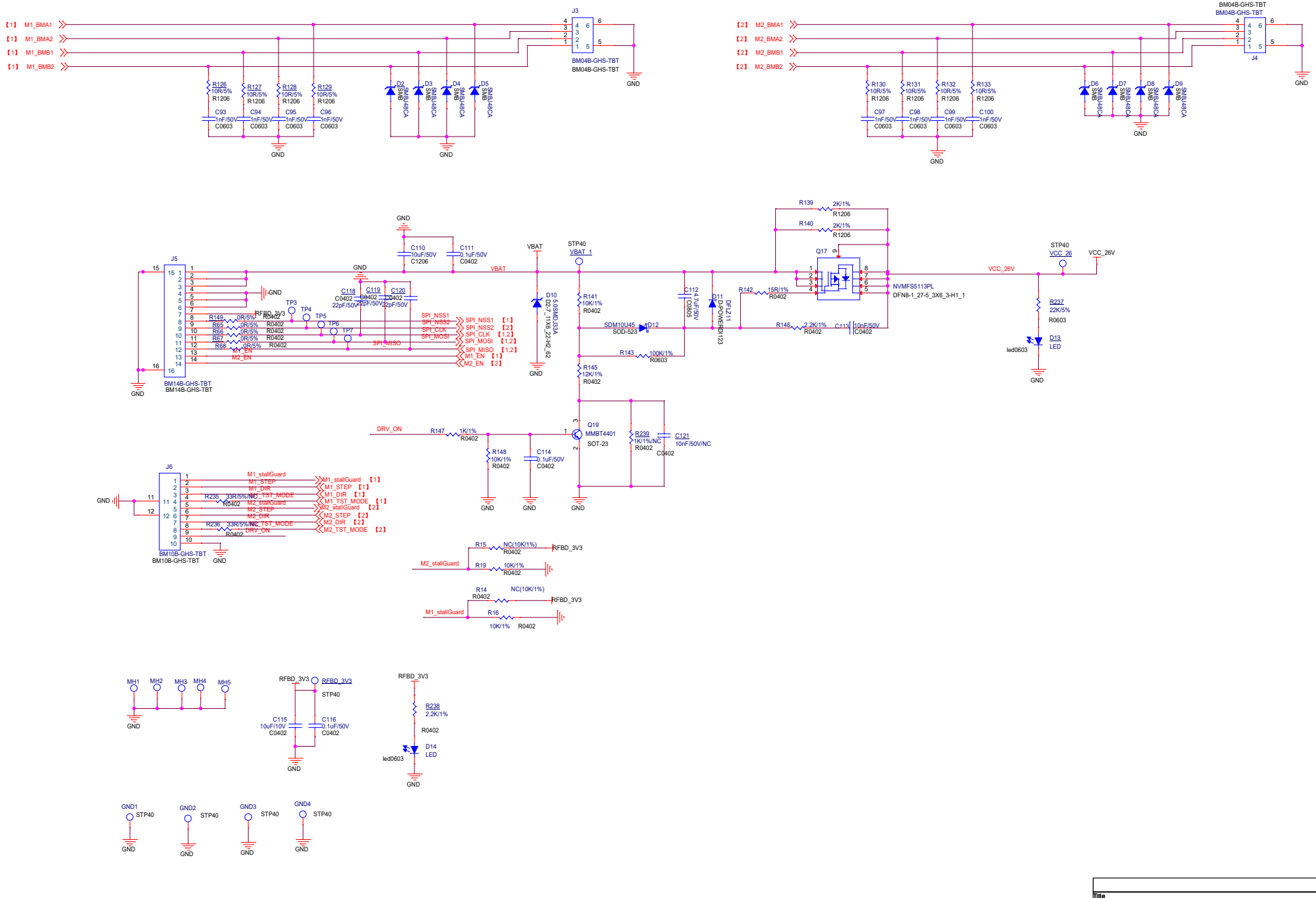
Rev V1
Date: Monday, June 13, 2022
Sheet 2 of 5



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Size C	Document Number <Doc>	Rev V1
Date: Monday, June 13, 2022	Sheet 3 of 5	

Revision History

Rev. Code	Date	Design By	Description
V1.1	2022-06-07	SunYulin	Initial Version

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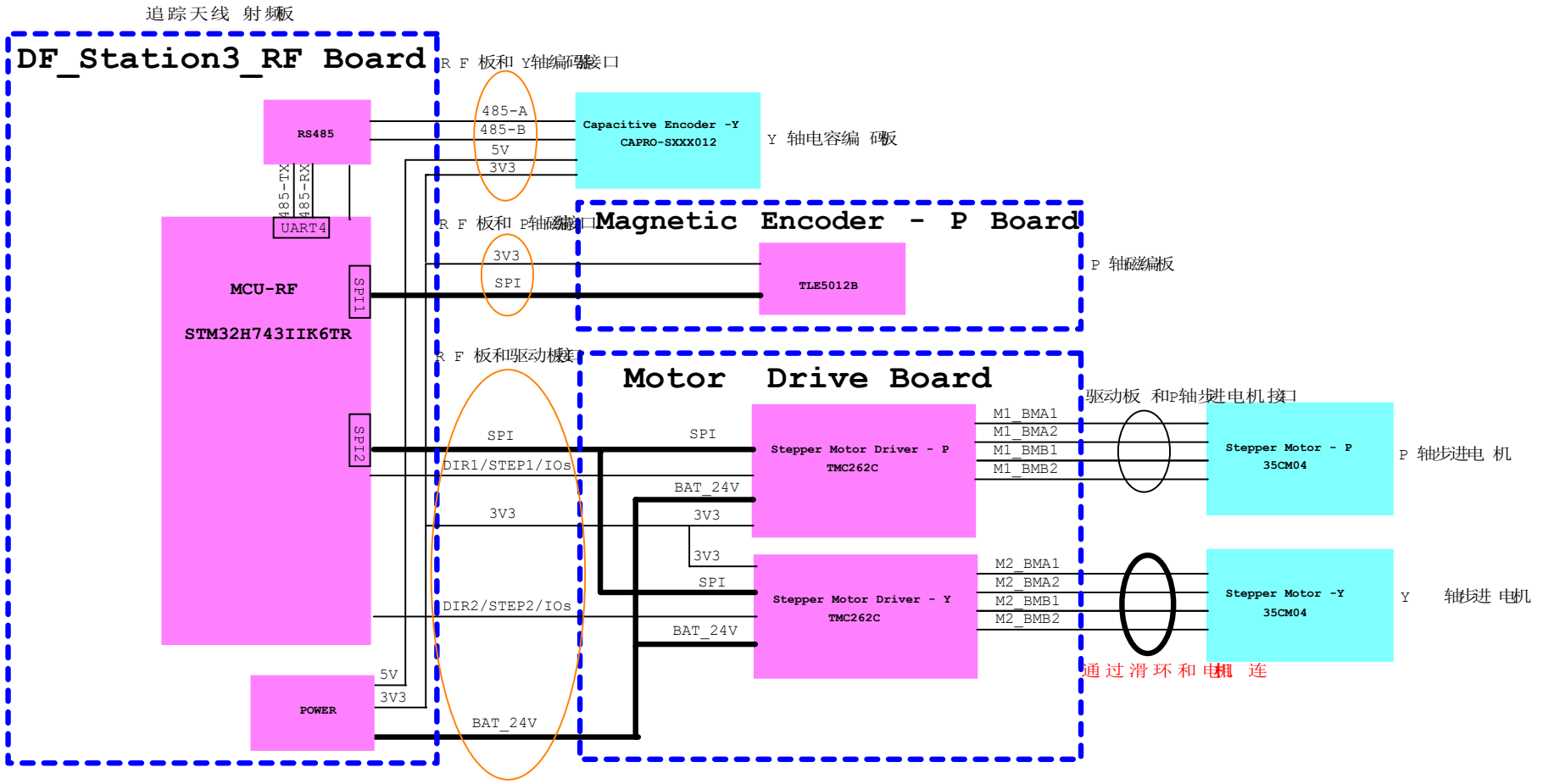
Size C	Document Number <Doc>	Rev V1
Date: Friday, June 10, 2022	Sheet 4 of 5	



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