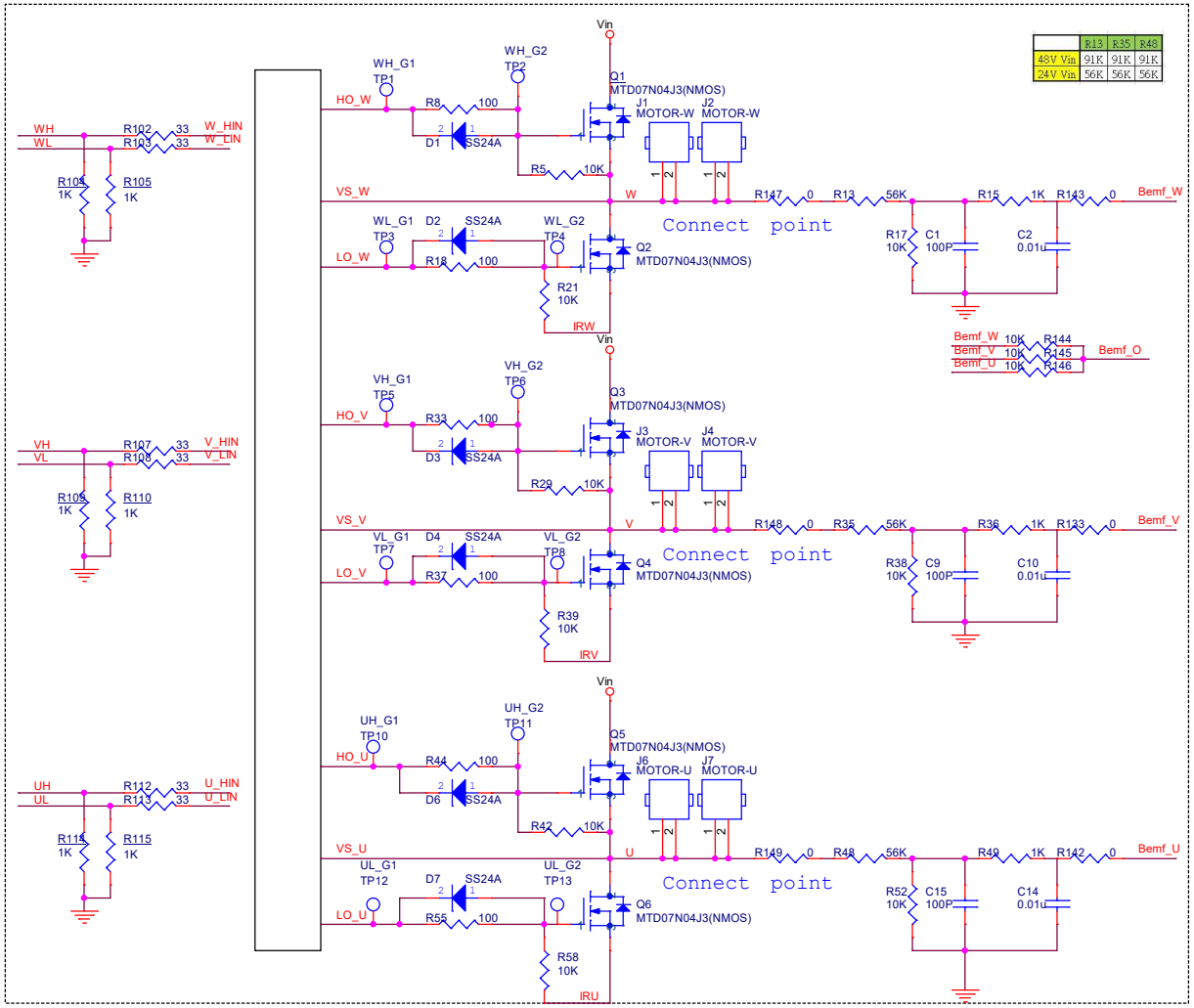
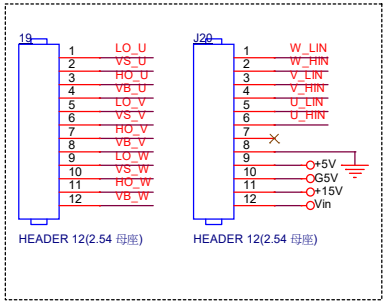
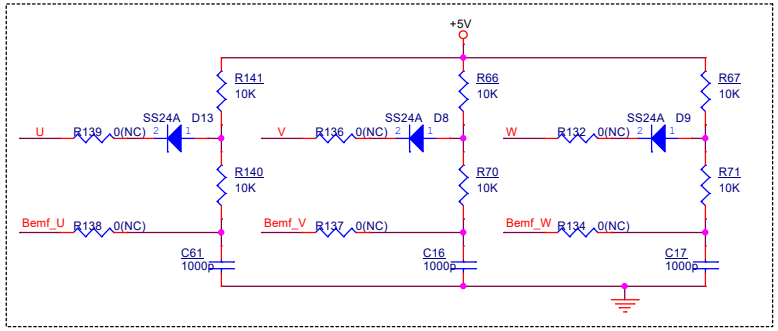
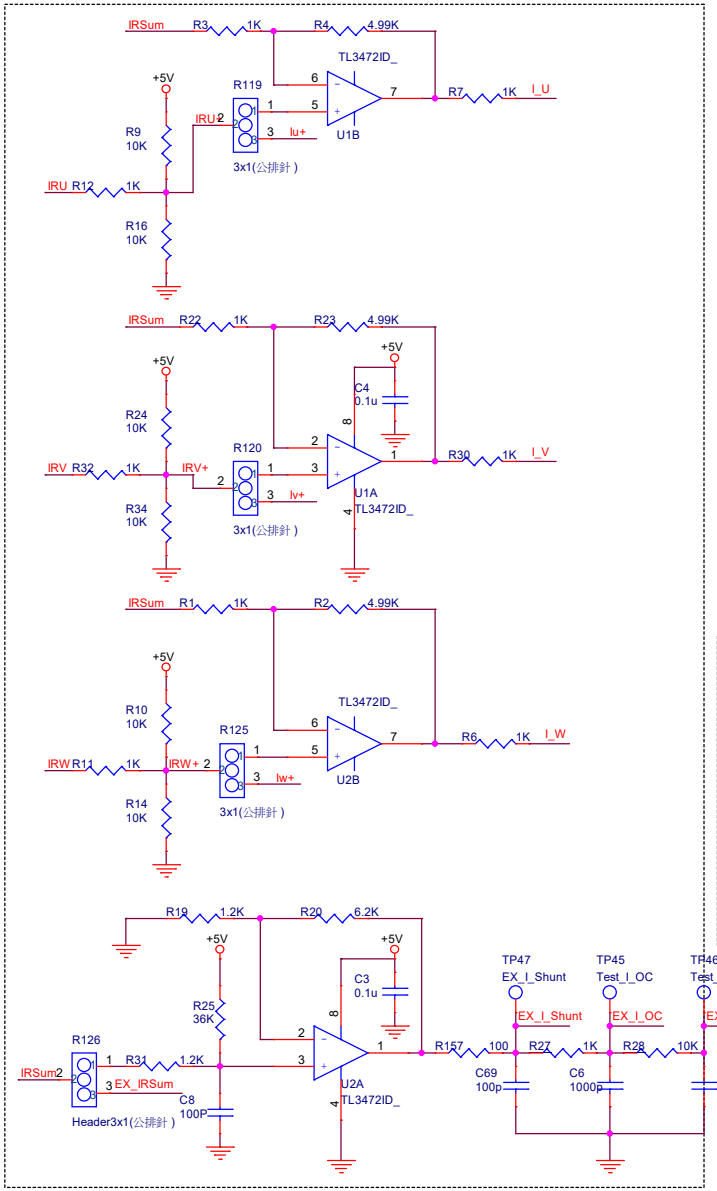
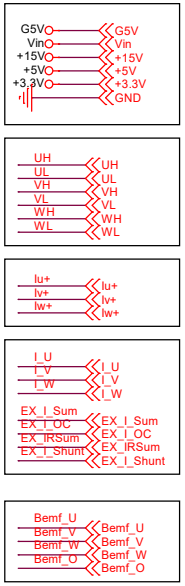


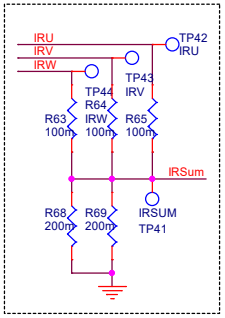
	R13	R35	R48
48V Vin	91K	91K	91K
24V Vin	56K	56K	56K











Bemf & IPD Switch	R149	R142	R138	R139	R148	R133	R136	R137	R147	R143	R134	R132	R144	R145	R146
Bemf_U	V	V													
Bemf_V					V	V									
Bemf_W									V	V					
Bemf_O	V	V			V	V			V	V			V	V	V
IPD_U			V	V											
IPD_V							V	V							
IPD_W											V	V			

Title	Driver Board			
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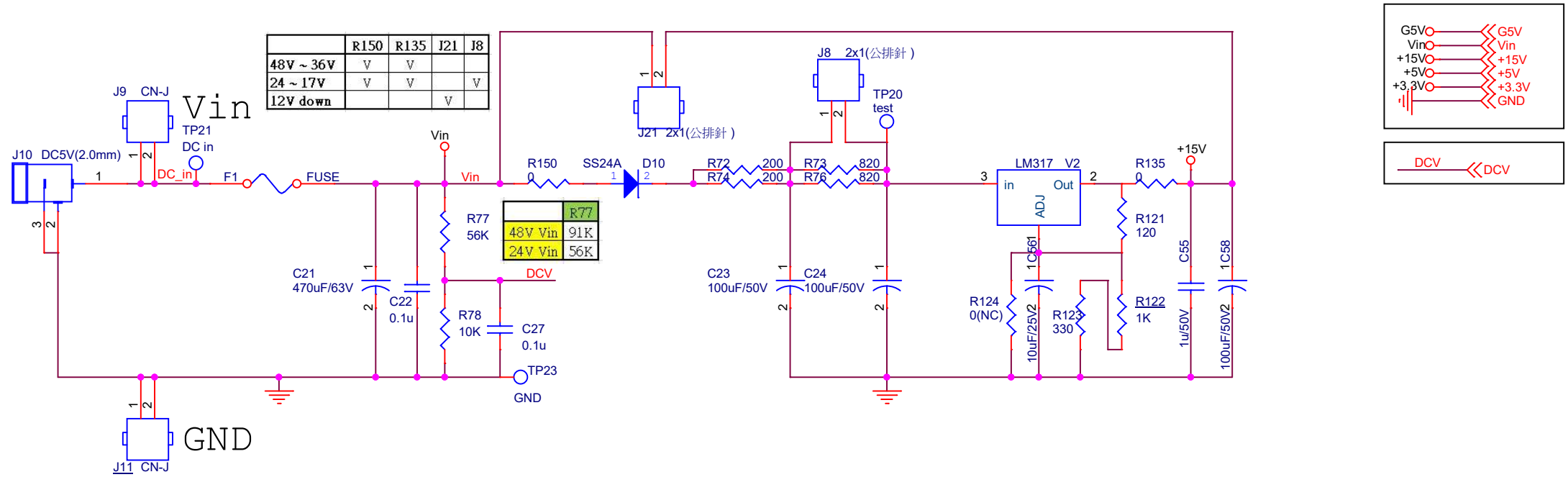

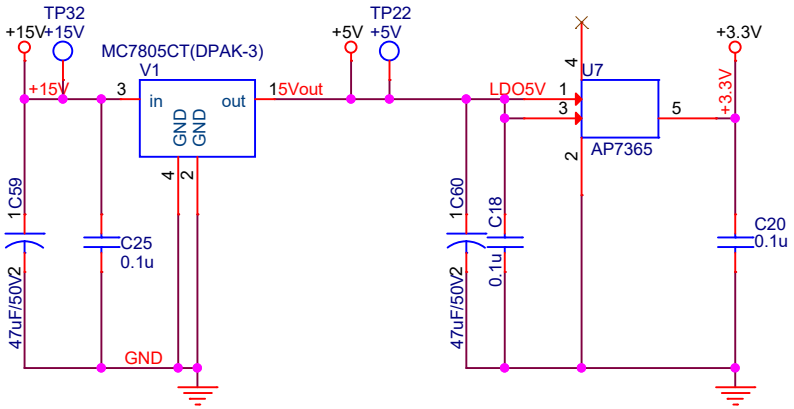

Hall Sensor Power

Title	Power
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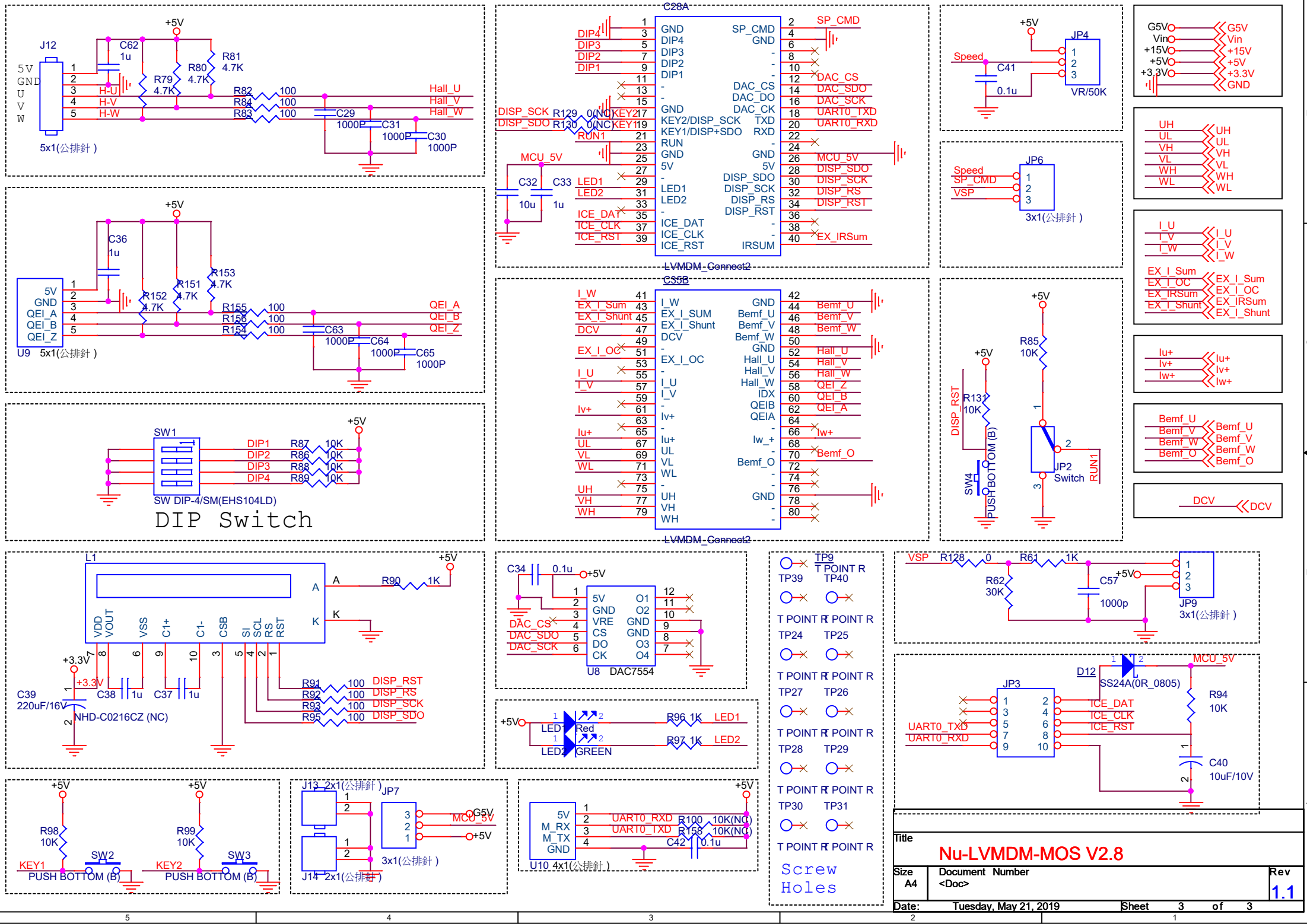
J12
5V
GND
U
V
W
5x1(公排針)
C62 1u
R79 4.7K
R80 4.7K
R81 4.7K
H-U
H-V
H-W
R82 100
R84 100
R83 100
C29 1000P
C31 1000P
C30 1000P
Hall_U
Hall_V
Hall_W
U9 5x1(公排針)
C36 1u
R152 4.7K
R151 4.7K
R153 4.7K
R155 100
R156 100
R154 100
C63 1000P
C64 1000P
C65 1000P
QEI_A
QEI_B
QEI_Z
SW1
SW DIP-4/SM(EHS104LD)
DIP1 R87 10K
DIP2 R86 10K
DIP3 R88 10K
DIP4 R89 10K
DIP Switch
C28A
LVMDM-Connect2
DISP_SCK R129 0(NC)
DISP_SDO R130 0(NC)
MCU_5V
C32 10u
C33 1u
RUN1
ICE_DAT
ICE_CLK
ICE_RST
SP_CMD
DAC_CS
DAC_SDO
DAC_SCK
UART0_TXD
UART0_RXD
EX_IRSum
C35B
LVMDM-Connect2
Bemf_U
Bemf_V
Bemf_W
Hall_U
Hall_V
Hall_W
QEI_Z
QEI_B
QEI_A
Iw+
Bemf_O
JP4
Speed
C41 0.1u
VR/50K
JP6
SP_CMD
VSP
3x1(公排針)
R85 10K
R131 10K
DISP_RST
SW4
PUSH BOTTOM (B)
JP2
Switch
RUN1
G5V
Vin
+15V
+5V
+3.3V
GND
UH
UL
VH
VL
WH
WL
I_U
I_V
I_W
EX_I_Sum
EX_I_OC
EX_IRSum
EX_I_Shunt
Iu+
Iv+
Iw+
DCV
L1
A
K
VDD
VOUT
VSS
C1+
C1-
CSB
SI
SCL
RS
RST
R90 1K
C39 220uF/16V
NHD-C0216CZ (NC)
C38 1u
C37 1u
R91 100 DISP_RST
R92 100 DISP_RS
R93 100 DISP_SCK
R95 100 DISP_SDO
C34 0.1u
U8 DAC7554
LED1 Red
LED2 GREEN
R96 1K LED1
R97 1K LED2
TP9
TP39
TP40
TP24
TP25
TP27
TP26
TP28
TP29
TP30
TP31
T POINT R
Screw Holes
VSP R128 0
R61 1K
R62 30K
C57 1000p
JP9
3x1(公排針)
D12
SS24A(0R_0805)
MCU_5V
JP3
ICE_DAT
ICE_CLK
ICE_RST
UART0_TXD
UART0_RXD
R94 10K
C40 10uF/10V
R98 10K
R99 10K
KEY1
KEY2
SW2
SW3
PUSH BOTTOM (B)
J13 2x1(公排針)
J14 2x1(公排針)
JP7
3x1(公排針)
U10 4x1(公排針)
R100 10K(NC)
R158 10K(NC)
C42 0.1u
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Nu-LVMDM-MOS V2.8
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