GPIO

+5V

P1
1
2
3
IO32
M-1X03-SIP-100-40Y

P6
1
2
3
IO33
M-1X03-SIP-100-40Y

GPIO

+5V

P2
1
2
3
IO25
M-1X03-SIP-100-40Y

MOTOR1_CON
B2B-PH-K-S(LF)(SN)
2   2 M1_1
1   1 M1_2
J1

P3
1
2
3
IO13
M-1X03-SIP-100-40Y

MOTOR2_CON
B2B-PH-K-S(LF)(SN)
2   2 M2_1
1   1 M2_2
J2

P4
1
2
3
IO17
M-1X03-SIP-100-40Y

MOTOR3_CON
B2B-PH-K-S(LF)(SN)
2   2 M3_1
1   1 M3_2
J4

P5
1
2
3
IO23
M-1X03-SIP-100-40Y

GND

MOTOR4_CON
B2B-PH-K-S(LF)(SN)
2   2 M4_1
1   1 M4_2
J5

MOTOR_POWER

MOTOR1
M1_1   C1
        0.1uF
M1_2
1 OA   GND 8
2 VCC IB   7
3 VCC IA   6
4 OB   GND 5
IB_1
IA_1

MOTOR2
M2_1   C2
        0.1uF
M2_2
1 OA   GND 8
2 VCC IB   7
3 VCC IA   6
4 OB   GND 5
IB_2
IA_2

MOTOR3
M3_1   C4
        0.1uF
M3_2
1 OA   GND 8
2 VCC IB   7
3 VCC IA   6
4 OB   GND 5
IB_3
IA_3

MOTOR4
M4_1   C5
        0.1uF
M4_2
1 OA   GND 8
2 VCC IB   7
3 VCC IA   6
4 OB   GND 5
IB_4
IA_4

GND

MOTOR_POWER_5V_7_4V
+5V +V
M-1X03-SIP-100-40Y
3
2
1
P9
MOTOR_POWER

P7
1
2
3
IO5
M-1X03-SIP-100-40Y

GND

ESP32-DEVKITV1
EN   EN   IO23   D23   IO23
D36   VP-OI36   IO22   D22   SCL
D39   VN-IO39   IO1   D1
D34   IO34   IO3   D3
D35   IO35   IO21   D21   SDA
IO32   IO32   IO19   D19
IO33   IO33   IO18   D18
IO25   IO25   IO5   D5   IO5
IB_1   IO26   IO17   D17   IO17
IA_1   IO27   IO16   D16   IA_4
IA_2   IO14   IO4   D4   IB_4
IB_2   IO12   IO2   D2   IA_3
IO13   IO13   IO15   D15   IB_3
         GND@1   GND   GND@2
         VIN   3V3   3V3
U$1

M-1X03-SIP-100-40Y
3
2
1
P8
+5V

GND

B2B-PH-K-S(LF)(SN)
2   2
1   1
J3

GND

CAMERA_5V_POWER
B2B-PH-K-S(LF)(SN)
+5V
2   2
1   1
J9
GND

I2C
SDA   J10-1
SCL   J10-2
             J10-3
             J10-4
+5V

J6-1
J6-2
J6-3
J6-4

GND

J8-1
J8-2
J8-3
J8-4

GND

M-1X03-SIP-100-40Y
+V
3
2
1
P14

B2B-PH-K-S(LF)(SN)
2
1
J7

U3
8 VIN   BOOT 2
          100nF C10
3 EN   SW   1
R1
100K   L1 ETQP4M100KVC
7 RLIM   FB   5
6 COMP   R4 62K 1%
C7 C8   GND 4*2
10uF 25V 10uF 25V
C9
2.7nF
R3   R2
179K 24K
RT7272AGSP

+5V

C11   C13   C12
22uF   100nF   22uF

R5
11.8K 1%

R6
1K

D1
LED_BLUE

GND GND GND GND GND GND GND GND GND

2023-08-16 오후 9:17 f=0.80 C:\Users\user\AppData\Local\Temp\Neutron\ElectronFileOutput\29100\sch-d5e00b3b-0f7f-4e10-ac50-bb429f237233\toy_pocket_robot v10.sch (Sheet: 1