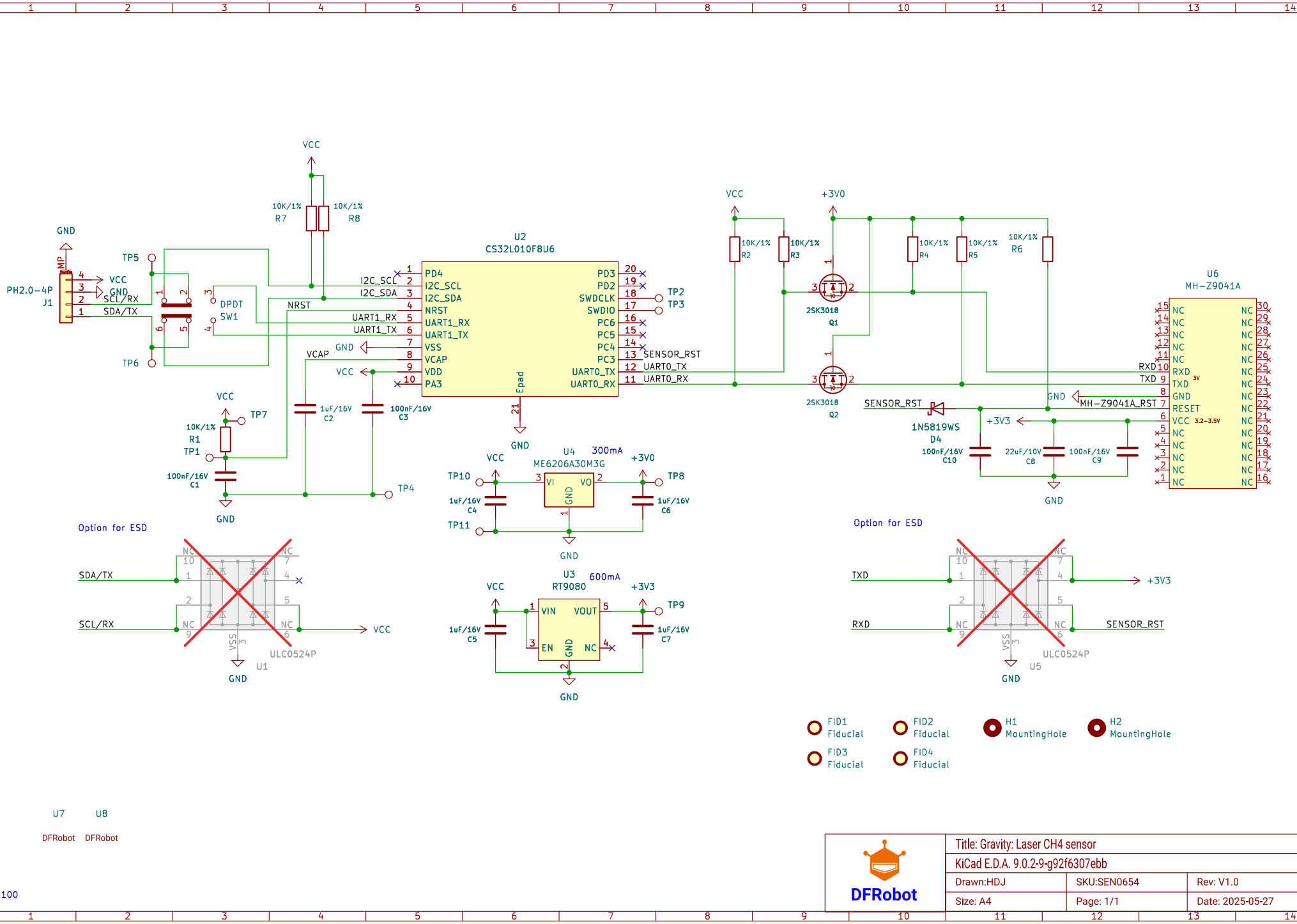
VCC
10K/1%
R7
10K/1%
R8
GND
MP
PH2.0-4P
J1
VCC
GND
SCL/RX
SDA/TX
TP5
TP6
DPDT
SW1
U2
CS32L010F8U6
I2C_SCL
I2C_SDA
NRST
UART1_RX
UART1_TX
VSS
VCAP
VDD
PA3
Epad
PD4
PD3
PD2
SWDCLK
SWDIO
PC6
PC5
PC4
PC3
UART0_TX
UART0_RX
SENSOR_RST
TP2
TP3
VCAP
1uF/16V
C2
100nF/16V
C3
TP7
10K/1%
R1
TP1
100nF/16V
C1
TP4
U4
300mA
ME6206A30M3G
TP10
1uF/16V
C4
TP11
TP8
1uF/16V
C6
+3V0
U3
600mA
RT9080
VIN
VOUT
EN
NC
TP9
1uF/16V
C5
1uF/16V
C7
+3V3
10K/1%
R2
10K/1%
R3
10K/1%
R4
10K/1%
R5
10K/1%
R6
2SK3018
Q1
2SK3018
Q2
1N5819WS
D4
U6
MH-Z9041A
RXD
TXD
RESET
MH-Z9041A_RST
3V
3.2-3.5V
100nF/16V
C10
22uF/10V
C8
100nF/16V
C9
Option for ESD
SDA/TX
SCL/RX
ULC0524P
U1
Option for ESD
TXD
RXD
SENSOR_RST
ULC0524P
U5
FID1
Fiducial
FID2
Fiducial
H1
MountingHole
H2
MountingHole
FID3
Fiducial
FID4
Fiducial
U7
DFRobot
U8
DFRobot
100
DFRobot
Title: Gravity: Laser CH4 sensor
KiCad E.D.A. 9.0.2-9-g92f6307ebb
Drawn:HDJ
SKU:SEN0654
Rev: V1.0
Size: A4
Page: 1/1
Date: 2025-05-27