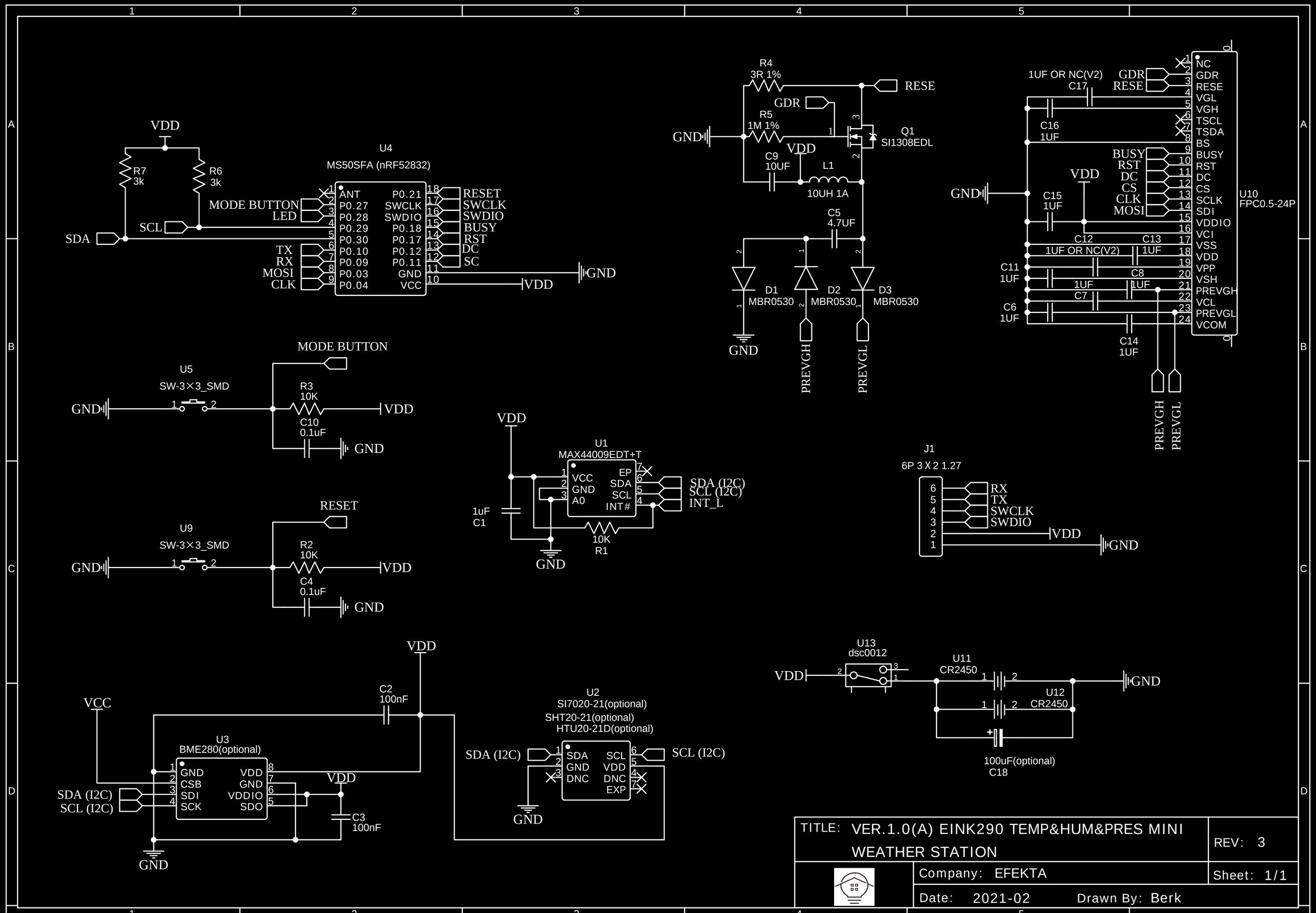
VDD
R7
3k
R6
3k
SDA
SCL
MODE BUTTON
LED
TX
RX
MOSI
CLK
U4
MS50SFA (nRF52832)
ANT
P0.27
P0.28
P0.29
P0.30
P0.10
P0.09
P0.03
P0.04
P0.21
SWCLK
SWDIO
P0.18
P0.17
P0.12
P0.11
GND
VCC
RESET
SWCLK
SWDIO
BUSY
RST
DC
SC
GND
VDD
R4
3R 1%
RESE
GDR
R5
1M 1%
GND
C9
10UF
VDD
L1
10UH 1A
Q1
SI1308EDL
C5
4.7UF
D1
MBR0530
D2
MBR0530
D3
MBR0530
GND
PREVGH
PREVGL
1UF OR NC(V2)
C17
GDR
RESE
C16
1UF
VDD
GND
C15
1UF
BUSY
RST
DC
CS
CLK
MOSI
C12
1UF OR NC(V2)
C13
1UF
C11
1UF
C8
1UF
1UF
C7
C6
1UF
C14
1UF
NC
GDR
RESE
VGL
VGH
TSCL
TSDA
BS
BUSY
RST
DC
CS
SCLK
SDI
VDDIO
VCI
VSS
VDD
VPP
VSH
PREVGH
VCL
PREVGL
VCOM
U10
FPC0.5-24P
PREVGH
PREVGL
MODE BUTTON
U5
SW-3×3_SMD
GND
R3
10K
VDD
C10
0.1uF
GND
VDD
U1
MAX44009EDT+T
VCC
GND
A0
EP
SDA
SCL
INT#
SDA (I2C)
SCL (I2C)
INT_L
1uF
C1
10K
R1
GND
J1
6P 3X2 1.27
RX
TX
SWCLK
SWDIO
VDD
GND
RESET
U9
SW-3×3_SMD
GND
R2
10K
VDD
C4
0.1uF
GND
VDD
C2
100nF
VCC
U3
BME280(optional)
GND
CSB
SDI
SCK
VDD
GND
VDDIO
SDO
SDA (I2C)
SCL (I2C)
VDD
C3
100nF
GND
U2
SI7020-21(optional)
SHT20-21(optional)
HTU20-21D(optional)
SDA (I2C)
SDA
GND
DNC
SCL
VDD
DNC
EXP
SCL (I2C)
GND
U13
dsc0012
VDD
U11
CR2450
U12
CR2450
GND
100uF(optional)
C18
TITLE: VER.1.0(A) EINK290 TEMP&HUM&PRES MINI WEATHER STATION
REV: 3
Company: EFEKTA
Sheet: 1/1
Date: 2021-02
Drawn By: Berk