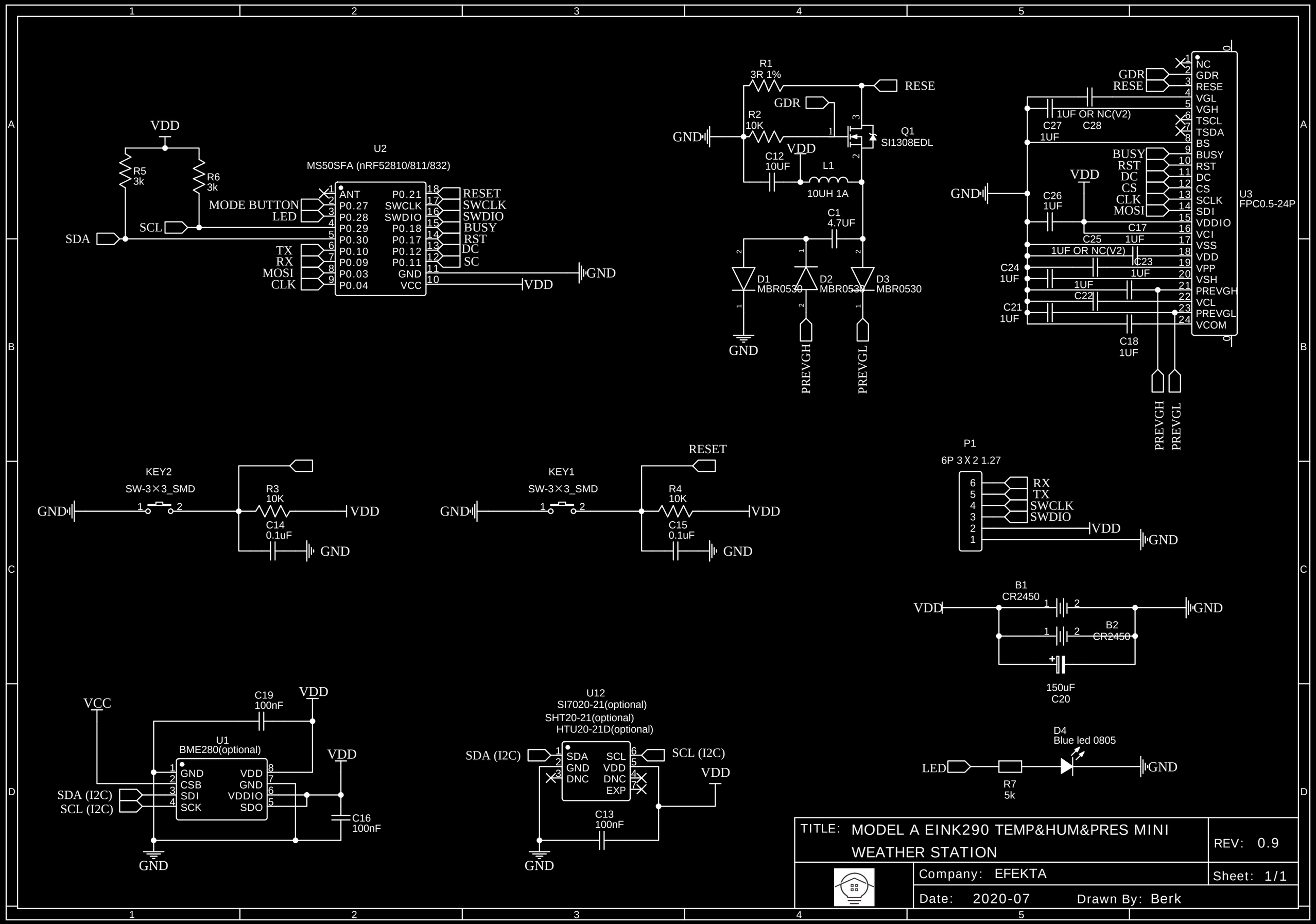
VDD
R5
3k
R6
3k
SDA
SCL
U2
MS50SFA (nRF52810/811/832)
MODE BUTTON
LED
TX
RX
MOSI
CLK
ANT
P0.27
P0.28
P0.29
P0.30
P0.10
P0.09
P0.03
P0.04
P0.21
SWCLK
SWDIO
P0.18
P0.17
P0.12
P0.11
GND
VCC
RESET
SWCLK
SWDIO
BUSY
RST
DC
SC
GND
VDD
R1
3R 1%
RESE
GDR
R2
10K
GND
C12
10UF
VDD
L1
10UH 1A
Q1
SI1308EDL
C1
4.7UF
D1
MBR0530
D2
MBR0530
D3
MBR0530
GND
PREVGH
PREVGL
GDR
RESE
1UF OR NC(V2)
C27
1UF
C28
NC
GDR
RESE
VGL
VGH
TSCL
TSDA
BS
BUSY
RST
DC
CS
SCLK
SDI
VDDIO
VCI
VSS
VDD
VPP
VSH
PREVGH
VCL
PREVGL
VCOM
U3
FPC0.5-24P
BUSY
RST
DC
CS
CLK
MOSI
GND
C26
1UF
VDD
C17
1UF
C25
1UF OR NC(V2)
C23
1UF
C24
1UF
1UF
C22
C21
1UF
C18
1UF
PREVGH
PREVGL
KEY2
SW-3×3_SMD
GND
R3
10K
VDD
C14
0.1uF
GND
KEY1
SW-3×3_SMD
GND
RESET
R4
10K
VDD
C15
0.1uF
GND
P1
6P 3X2 1.27
RX
TX
SWCLK
SWDIO
VDD
GND
B1
CR2450
VDD
GND
B2
CR2450
150uF
C20
VCC
C19
100nF
VDD
U1
BME280(optional)
GND
CSB
SDI
SCK
VDD
GND
VDDIO
SDO
VDD
SDA (I2C)
SCL (I2C)
C16
100nF
GND
U12
SI7020-21(optional)
SHT20-21(optional)
HTU20-21D(optional)
SDA (I2C)
SDA
GND
DNC
SCL
VDD
DNC
EXP
SCL (I2C)
VDD
C13
100nF
GND
D4
Blue led 0805
LED
R7
5k
GND
TITLE: MODEL A EINK290 TEMP&HUM&PRES MINI WEATHER STATION
REV: 0.9
Company: EFEKTA
Sheet: 1/1
Date: 2020-07
Drawn By: Berk