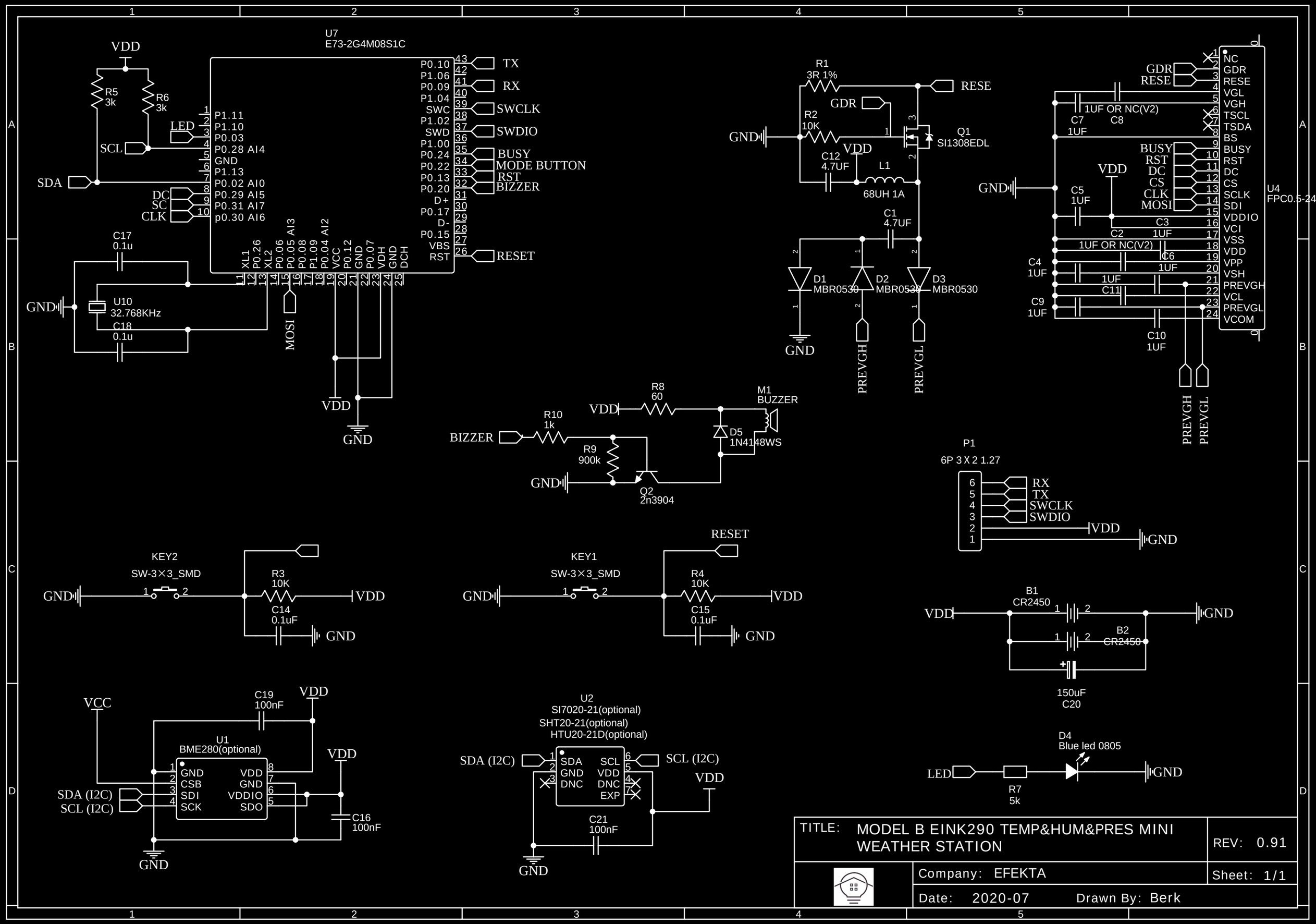
U7
E73-2G4M08S1C
VDD
R5
3k
R6
3k
LED
SCL
SDA
DC
SC
CLK
P1.11
P1.10
P0.03
P0.28 AI4
GND
P1.13
P0.02 AI0
P0.29 AI5
P0.31 AI7
p0.30 AI6
P0.10
P1.06
P0.09
P1.04
SWC
P1.02
SWD
P1.00
P0.24
P0.22
P0.13
P0.20
D+
P0.17
D-
P0.15
VBS
RST
TX
RX
SWCLK
SWDIO
BUSY
MODE BUTTON
RST
BIZZER
RESET
XL1
P0.26
XL2
P0.06
P0.05 AI3
P0.08
P1.09
P0.04 AI2
VCC
P0.12
GND
P0.07
VDH
GND
DCH
C17
0.1u
U10
32.768KHz
C18
0.1u
MOSI
VDD
GND
R1
3R 1%
R2
10K
GDR
RESE
Q1
SI1308EDL
C12
4.7UF
L1
68UH 1A
C1
4.7UF
D1
MBR0530
D2
MBR0530
D3
MBR0530
PREVGH
PREVGL
U4
FPC0.5-24P
NC
GDR
RESE
VGL
VGH
TSCL
TSDA
BS
BUSY
RST
DC
CS
SCLK
SDI
VDDIO
VCI
VSS
VDD
VPP
VSH
PREVGH
VCL
PREVGL
VCOM
C7
1UF
C8
1UF OR NC(V2)
C5
1UF
C2
C3
1UF
C6
1UF
C11
1UF
C4
1UF
C9
1UF
C10
1UF
R8
60
M1
BUZZER
R10
1k
R9
900k
D5
1N4148WS
Q2
2n3904
BIZZER
P1
6P 3X2 1.27
RX
TX
SWCLK
SWDIO
KEY2
SW-3×3_SMD
R3
10K
C14
0.1uF
KEY1
SW-3×3_SMD
R4
10K
C15
0.1uF
B1
CR2450
B2
CR2450
150uF
C20
D4
Blue led 0805
R7
5k
VCC
C19
100nF
U1
BME280(optional)
GND
CSB
SDI
SCK
VDD
GND
VDDIO
SDO
SDA (I2C)
SCL (I2C)
C16
100nF
U2
SI7020-21(optional)
SHT20-21(optional)
HTU20-21D(optional)
SDA
GND
DNC
SCL
VDD
DNC
EXP
C21
100nF
TITLE: MODEL B EINK290 TEMP&HUM&PRES MINI WEATHER STATION
REV: 0.91
Company: EFEKTA
Sheet: 1/1
Date: 2020-07
Drawn By: Berk