RESET

VBAT
D2 NA_LED_RED
R10 NA_1K
GND
SW1 SW_Push
GND
GSM_RESET
C1 0.1uF
GND

BUFFER

C3 100nF
GND
3V3_M1
VDD_EXT 3V3_M1
1K R15
1K R17
U6 74LVC2G07
TXD_MCU 1 1A   VCC 5
TXD_GSM 3 2A   1Y 6   RXD_GSM
2 GND   2Y 4   RXD_MCU
GND

NETLIGHT

D1 LED_RED
R1 1K
VBAT
GSM_NETLIGHT
Q1 MUN5233
GND

ON/OFF_LDO

U4 AP22811AW5-7
3V3_M1
C13 1uF
10K R9
5 IN   OUT 1   VBAT
3 FLG
+ C15 100uF 10V
C14 0.1uF
DioCrnt 4 EN   GND
R16 10K
GND   2   GND
GND

SIM

USIM_VDD
R8 15K
U2 SMF05C
C5 33pF USIM_CLKR   6
C6 33pF USIM_DATAR 5
C7 0.1uF USIM_VDD   4   3 GND   2
C8 33pF USIM_RSTR   1
GND
GND

U3 NA_ESIM
USIM_DATAR 1 C5 C1 8 USIM_VDD
2 C6 C2 7 USIM_RSTR
3 C7 C3 6 USIM_CLKR
4 C8 C4 5
GND

USIM_VDD 1 VCC
USIM_RSTR 2 RST
USIM_CLKR 3 CLK
4 GND 5
VPP 6
USIM_DATAR 7 I/O
J3 nano_SIM

TOP Slot1
J5
5V_1   1   2 3V3_1
GND   3   4 GND
SDA   5   6 SCL
MOSI   7   8 MISO
SPI_CLK 9 10 SS
RXD_MCU 11 12 TXD_MCU
DioNext 13 14
AioNext 15 16

TOP Slot2
J2
5V_1   1   2 3V3_M1
GND   3   4 GND
SDA_1 5   6 SCL_1
MOSI_1 7   8 MISO_1
SPICLK_1 9 10 SS_1
RXD_1 11 12 TXD_1
DioNext_1 13 14
AioNext_1 15 16

BOTTOM Slot1
J4
5V_1   1   2 3V3_1
GND   3   4 GND
SDA   5   6 SCL
MOSI   7   8 MISO
SPI_CLK 9 10 SS
RXD_MCU 11 12 TXD_MCU
DioCrnt 13 14 DioNext
AioCrnt 15 16 AioNext

BOTTOM Slot2
J1
5V_1   1   2 3V3_M1
GND   3   4 GND
SDA_1 5   6 SCL_1
MOSI_1 7   8 MISO_1
SPICLK_1 9 10 SS_1
RXD_1 11 12 TXD_1
DioCrnt_1 13 14 DioNext_1
AioCrnt_1 15 16 AioNext_1

BC95

U1 BC95-B20
GND 1 RESERVED_1   GND_4 48 GND
2 GND_1   RESERVED_29 49
3 RESERVED_2   RESERVED_30 50
4 RESERVED_3   GND_5 51 GND
5 RESERVED_4   GND_6 52
6 RESERVED_5   RF_ANT 53
7 RESERVED_6   GND_7 54 GND
8 RESERVED_7   RESERVED_31 55
9 RESERVED_8   RESERVED_32 56
10 RESERVED_9   RESERVED_33 57
11 RESERVED_10   RESERVED_34 58
12 RESERVED_11   GND_8 59
13 RESERVED_12   GND_9 60
14 RESERVED_13   GND_10 61
GSM_RESET 15 RESET GND_11 62
16 RESERVED_14   GND_12 63
17 RESERVED_15   GND_13 64
GSM_NETLIGHT 18 NETLIGHT GND_14 65
DB_RX2 19 RBD_RXD GND_15 66 GND
DB_TX2 20 DBG_TXD RESERVED_35 67
ADC1 21 ADC   RESERVED_36 68
22 RESERVED_16   RESERVED_37 69
23 RESERVED_17   RESERVED_38 70
24 RESERVED_18   GND_16 71
25 RESERVED_19   GND_17 72
C2 4.7uF
VDD_EXT
GND
26 VDD_EXT   GND_18 73
27 RESERVED_20   GND_19 74 GND
28 RESERVED_21   RESERVED_39 75
RXD_GSM 100R R2 29 RXD RESERVED_40 76
TXD_GSM 100R R3 30 TXD RESERVED_41 77
31 RESERVED_22   RESERVED_42 78
32 RESERVED_23   RESERVED_43 79
33 RESERVED_24   RESERVED_44 80
34 RI   GND_20 81
35 RESERVED_25   GND_21 82
36 RESERVED_26   GND_22 83 GND
37 RESERVED_27   RESERVED_45 84
USIM_VDD 38 USIM_VDD   RESERVED_46 85
USIM_RSTR 22R R4 39 USIM_RST RESERVED_47 86
USIM_DATAR 22R R5 40 USIM_DATA RESERVED_48 87
USIM_CLKR 22R R6 41 USIM_CLK RESERVED_49 88
42 USIM_GND   RESERVED_50 89
GND 43 GND_2   RESERVED_51 90
44 RESERVED_28   RESERVED_52 91
VBAT 45 VBAT_1   GND_23 92
46 VBAT_2   GND_24 93
GND 47 GND_3   GND_25 94 GND

R7 0R
TH1 UFL ANT
GND

M1 NA_MARK
L1 NA_LOGO