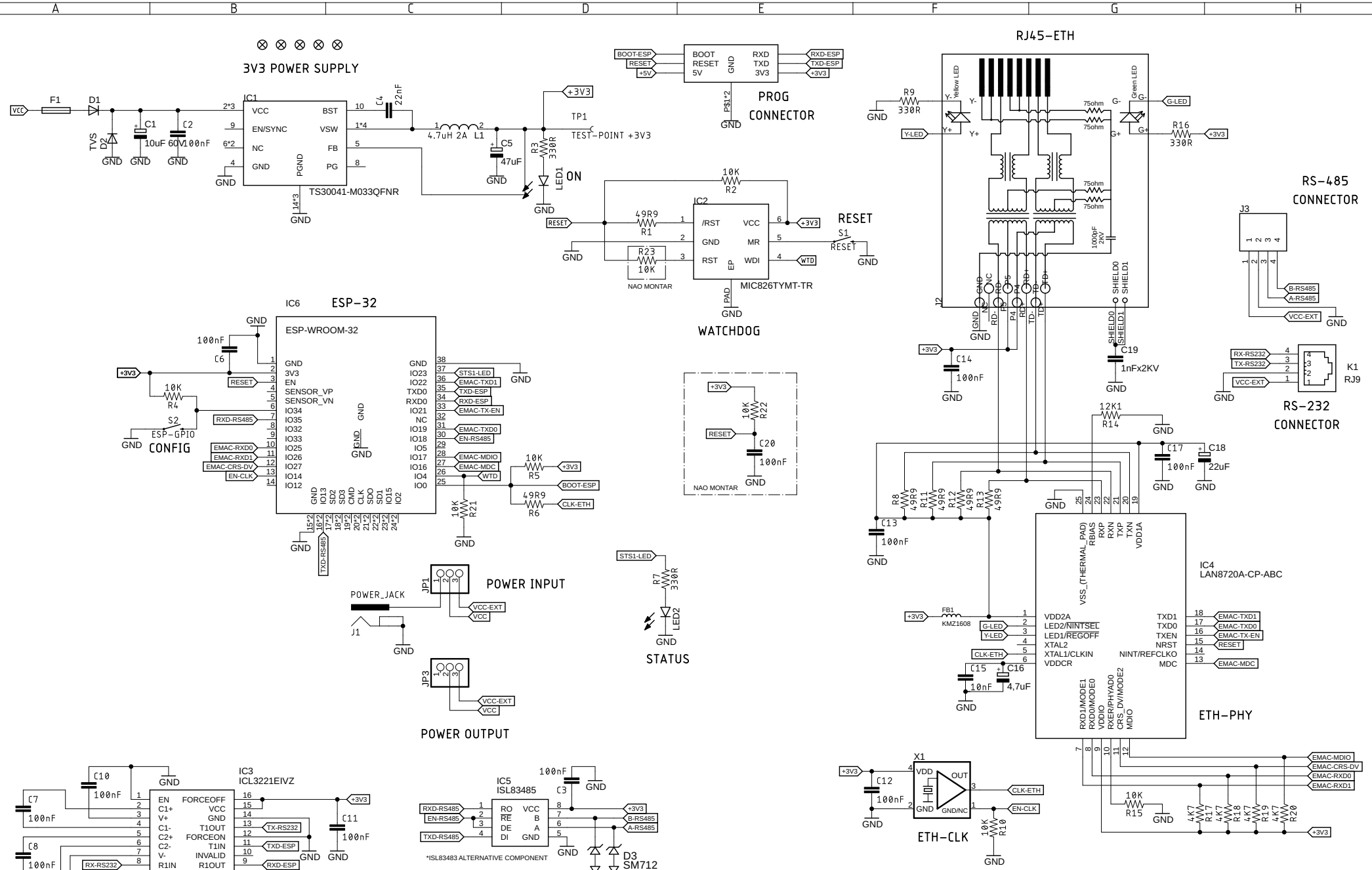
3V3 POWER SUPPLY
IC1
TS30041-M033QFNR
VCC
EN/SYNC
NC
GND
BST
VSW
FB
PG
PGND
F1
D1
TVS D2
C1 10uF 60V
C2 100nF
C4 22nF
4.7uH 2A L1
C5 47uF
R3 330R
LED1 ON
TP1
TEST-POINT +3V3
+3V3
PROG CONNECTOR
BOOT-ESP
RESET
+5V
BOOT
RESET
5V
GND
RXD
TXD
3V3
RXD-ESP
TXD-ESP
RJ45-ETH
R9 330R
Yellow LED
Green LED
Y-LED
G-LED
R16 330R
75ohm
100pF 2KV
J2
C19 1nFx2KV
C14 100nF
RS-485 CONNECTOR
J3
B-RS485
A-RS485
VCC-EXT
RS-232 CONNECTOR
K1 RJ9
RX-RS232
TX-RS232
IC2
MIC826TYMT-TR
/RST
GND
RST
VCC
MR
WDI
EP
PAD
R2 10K
R1 49R9
R23 10K
NAO MONTAR
RESET
S1 RESET
WTD
WATCHDOG
IC6 ESP-32
ESP-WROOM-32
C6 100nF
R4 10K
S2 ESP-GPIO
CONFIG
RXD-RS485
EMAC-RXD0
EMAC-RXD1
EMAC-CRS-DV
EN-CLK
STS1-LED
EMAC-TXD1
TXD-ESP
RXD-ESP
EMAC-TX-EN
EMAC-TXD0
EN-RS485
EMAC-MDIO
EMAC-MDC
R5 10K
R6 49R9
BOOT-ESP
CLK-ETH
R21 10K
TXD-RS485
R22 10K
C20 100nF
NAO MONTAR
POWER INPUT
JP1
POWER_JACK
J1
VCC-EXT
VCC
POWER OUTPUT
JP3
STATUS
R7 330R
LED2
IC4
LAN8720A-CP-ABC
ETH-PHY
VDD2A
LED2/NINTSEL
LED1/REGOFF
XTAL2
XTAL1/CLKIN
VDDCR
TXD1
TXD0
TXEN
NRST
NINT/REFCLKO
MDC
VSS_(THERMAL_PAD)
RBIAS
RXP
RXN
TXP
TXN
VDD1A
RXD1/MODE1
RXD0/MODE0
VDDIO
RXER/PHYAD0
CRS_DV/MODE2
MDIO
FB1 KMZ1608
R14 12K1
C17 100nF
C18 22uF
C13 100nF
C15 10nF
C16 4,7uF
R15 10K
R17 4K7
R18 4K7
R19 4K7
R20 4K7
ETH-CLK
X1
VDD
OUT
GND
GND/NC
C12 100nF
R10 10K
IC3
ICL3221EIVZ
RS-232
EN
C1+
V+
C1-
C2+
C2-
V-
R1IN
FORCEOFF
VCC
GND
T1OUT
FORCEON
T1IN
INVALID
R1OUT
C10 100nF
C7 100nF
C8 100nF
C9 100nF
C11 100nF
IC5
ISL83485
RS-485
RO
RE
DE
DI
VCC
B
A
GND
*ISL83483 ALTERNATIVE COMPONENT
D3 SM712
Title: Gateway 2.0
Version: 1.0
04/10/18 11:55
Drawn By: AFA
1/1