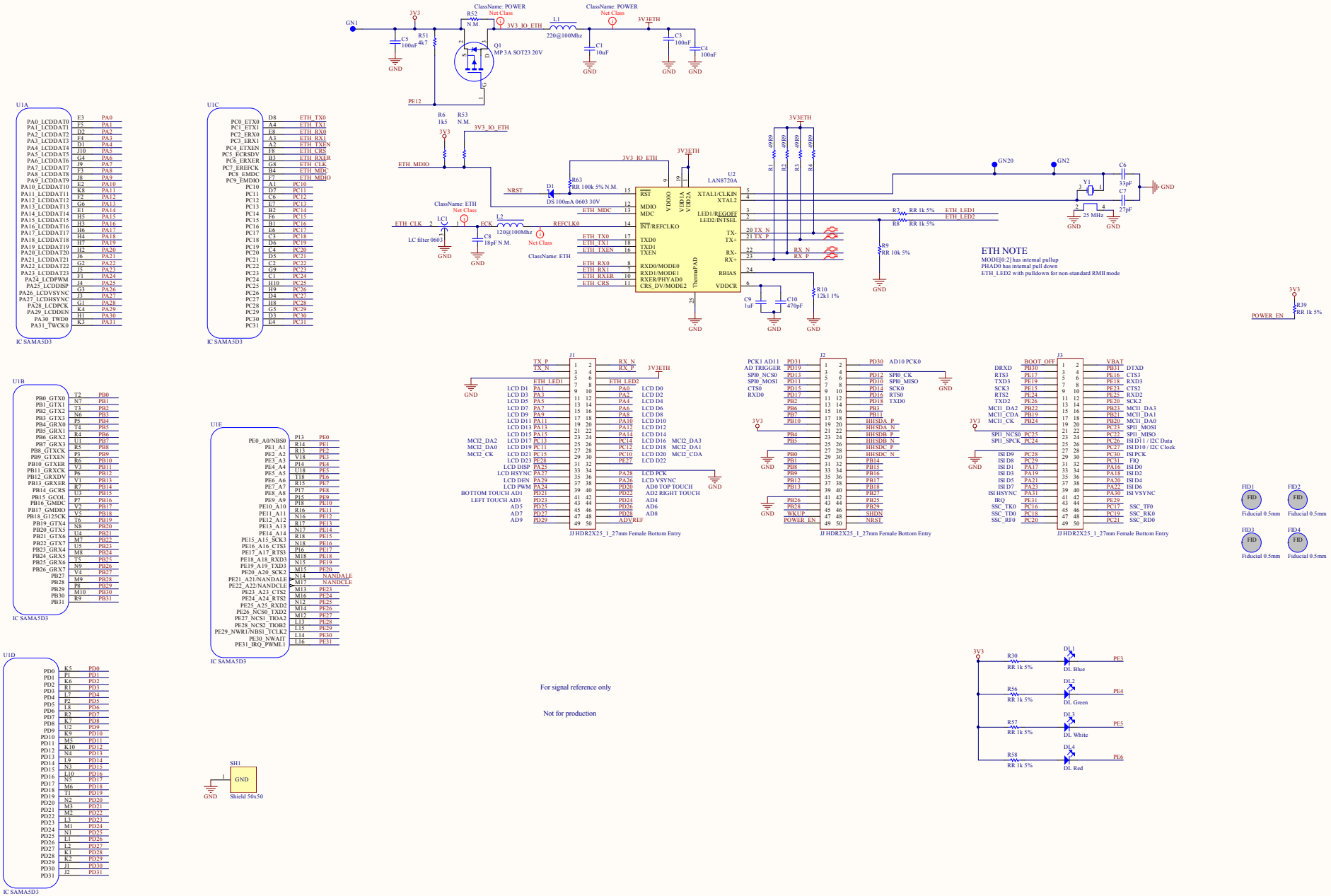
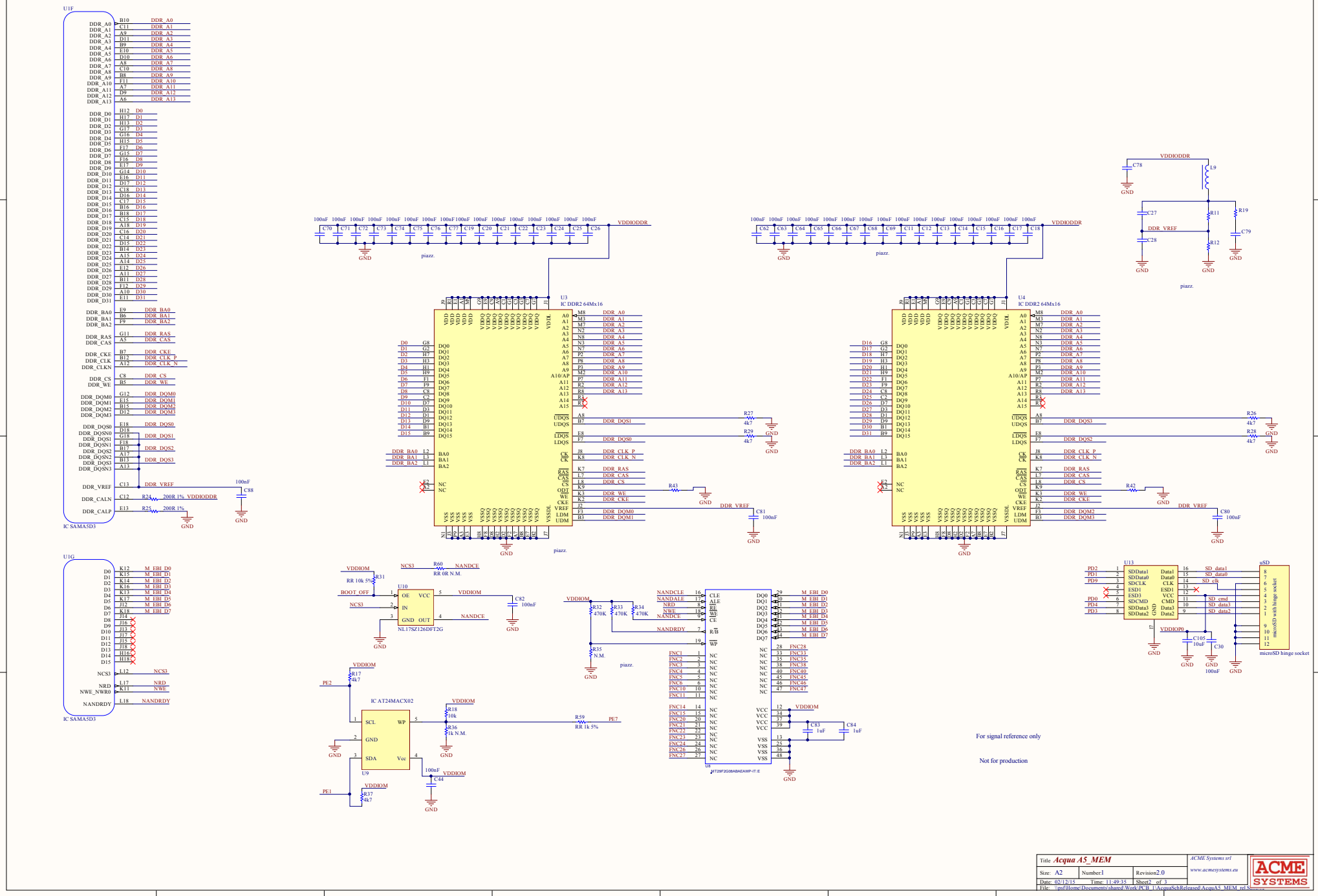

GN1
3V3
C5 100nF
R51 4k7
R52 N.M.
ClassName: POWER
Net Class
3V3_IO_ETH
Q1 MP 3A SOT23 20V
PE12
L1 220@100Mhz
C1 10uF
3V3ETH
C3 100nF
C4 100nF
GND
U1A
IC SAMA5D3
U1B
IC SAMA5D3
U1C
IC SAMA5D3
U1D
IC SAMA5D3
U1E
IC SAMA5D3
R6 1k5
R53 N.M.
ETH_MDIO
NRST
D1 DS 100mA 0603 30V
R63 RR 100k 5% N.M.
ETH_CLK
LC1 LC filter 0603
ECK
L2 120@100Mhz
C8 18pF N.M.
ClassName: ETH
REFCLK0
U2 LAN8720A
RST
MDIO
MDC
INT/REFCLK0
TXD0
TXD1
TXEN
RXD0/MODE0
RXD1/MODE1
RXER/PHYAD0
CRS_DV/MODE2
VDDIO
VDD1A
VDD2A
XTAL1/CLKIN
XTAL2
LED1/REGOFF
LED2/INTSEL
TX-
TX+
RX-
RX+
RBIAS
VDDCR
ThermalPAD
R1 49R9
R2 49R9
R3 49R9
R4 49R9
GN20
GN2
C6 33pF
C7 27pF
Y1 25 MHz
R7 RR 1k 5%
R8 RR 1k 5%
ETH_LED1
ETH_LED2
R9 RR 10k 5%
R10 12k1 1%
C9 1uF
C10 470pF
ETH NOTE
MODE[0:2] has internal pullup
PHAD0 has internal pull down
ETH_LED2 with pulldown for non-standard RMII mode
POWER_EN
R39 RR 1k 5%
J1
J2
J3
JJ HDR2X25_1_27mm Female Bottom Entry
FID1 Fiducial 0.5mm
FID2 Fiducial 0.5mm
FID3 Fiducial 0.5mm
FID4 Fiducial 0.5mm
R30 RR 1k 5%
DL1 DL Blue
R56 RR 1k 5%
DL2 DL Green
R57 RR 1k 5%
DL3 DL White
R58 RR 1k 5%
DL4 DL Red
SH1
Shield 50x50
For signal reference only
Not for production
Title Acqua A5 IO
Size: A2
Number: 1
Revision: 2.0
Date: 02/12/15
Time: 11:49:34
Sheet 1 of 3
ACME Systems srl
www.acmesystems.eu
ACME SYSTEMS


U1F
IC SAMA5D3
U1G
IC SAMA5D3
U3
IC DDR2 64Mx16
U4
IC DDR2 64Mx16
U10
NL17SZ126DFT2G
IC AT24MACX02
U9
U8
MT29F2G08ABAEAWP-IT:E
U13
uSD
microSD hinge socket
VDDIODDR
VDDIOM
VDDIOP0
piazz.
GND
For signal reference only
Not for production
Title Acqua A5_MEM
Size: A2
Number:1
Revision2.0
Date: 02/12/15
Time: 11:49:35
Sheet2 of 3
ACME Systems srl
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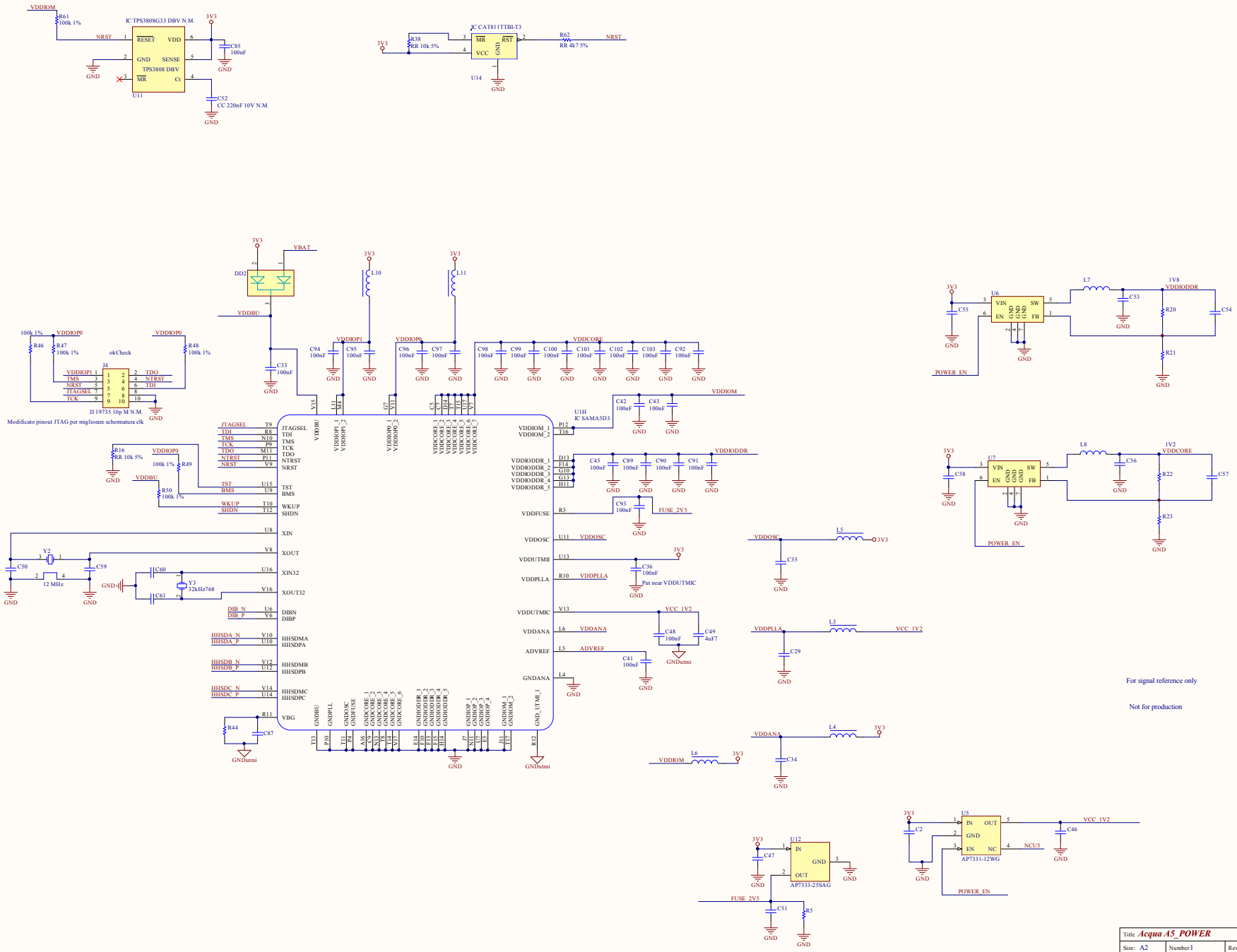
ACME SYSTEMS


IC TPS3808G33 DBV N.M.
TPS3808 DBV
U11
IC CAT811TTBI-T3
U14
U1H
IC SAMA5D3
U6
U7
U5
AP7333-25SAG
AP7331-12WG
U12
J4
JJ 19735 10p M N.M.
Modificato pinout JTAG per migliorare schematura clk
okCheck
Put near VDDUTMIC
For signal reference only
Not for production
Title Acqua A5_POWER
Size: A2
Number:1
Revision:2.0
Date: 02/12/15
Time: 11:49:35
Sheet3 of 3
ACME Systems srl
www.acmesystems.eu
ACME SYSTEMS