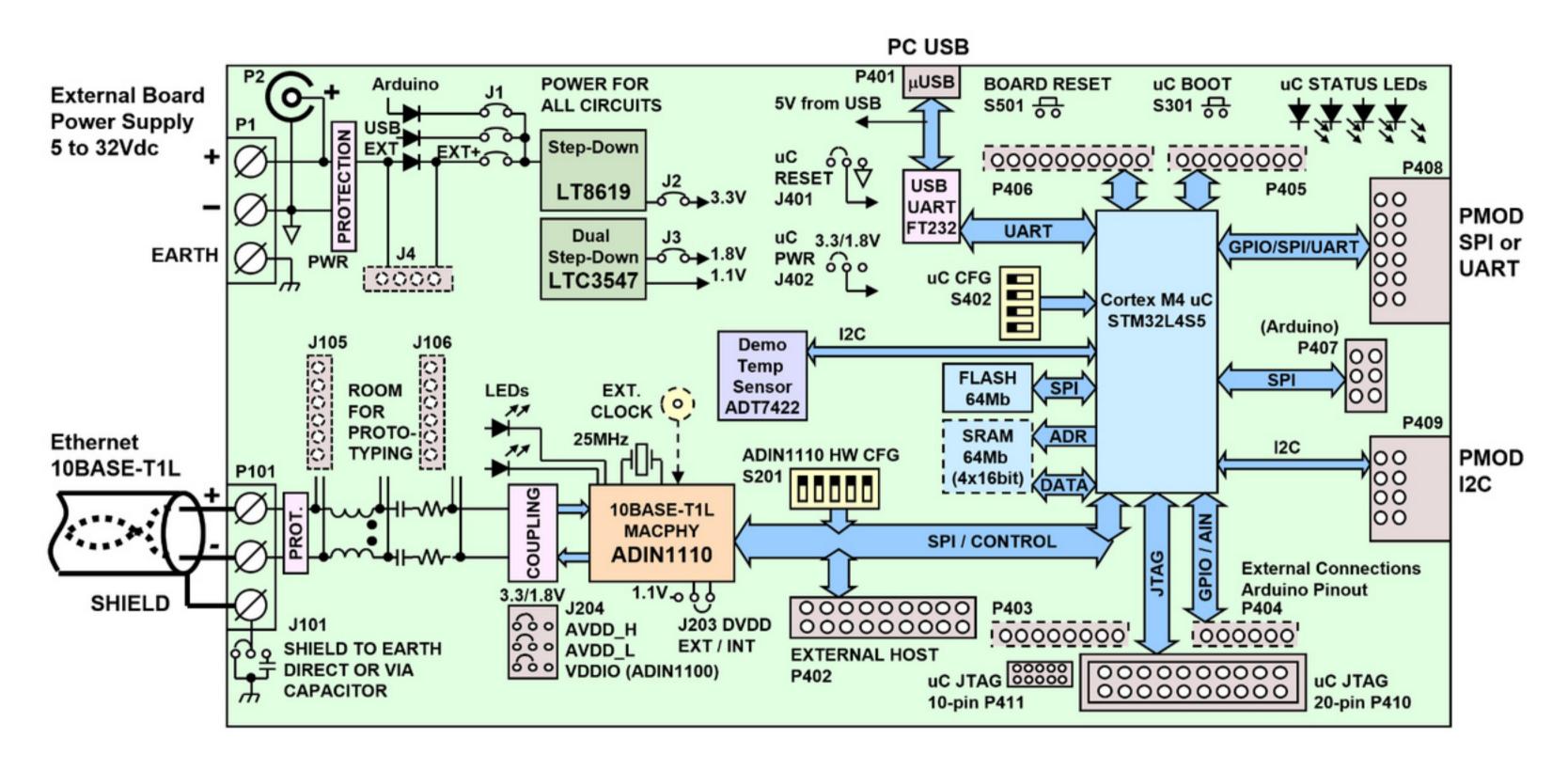
EVAL-ADIN1110EBZ

REVISIONS

REV DESCRIPTION DATE APPROVED

10BASE-T1L MACPHY APPLICATION / EVALUATION BOARD

BLOCK DIAGRAM:



CONTENT:

Page 1: BLOCK DIAGRAM:

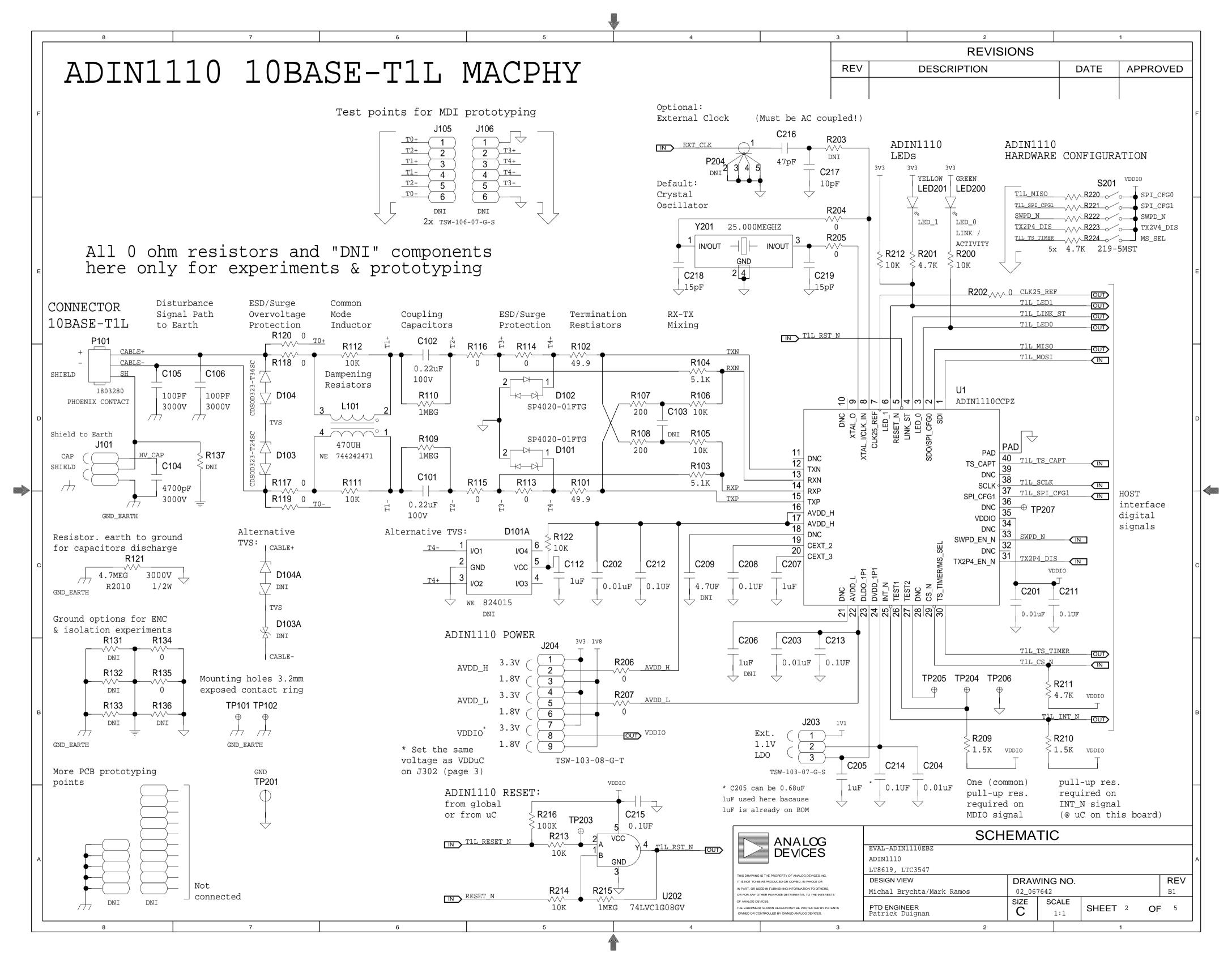
Page 2: ADIN1110 10BASE-T1L MACPHY

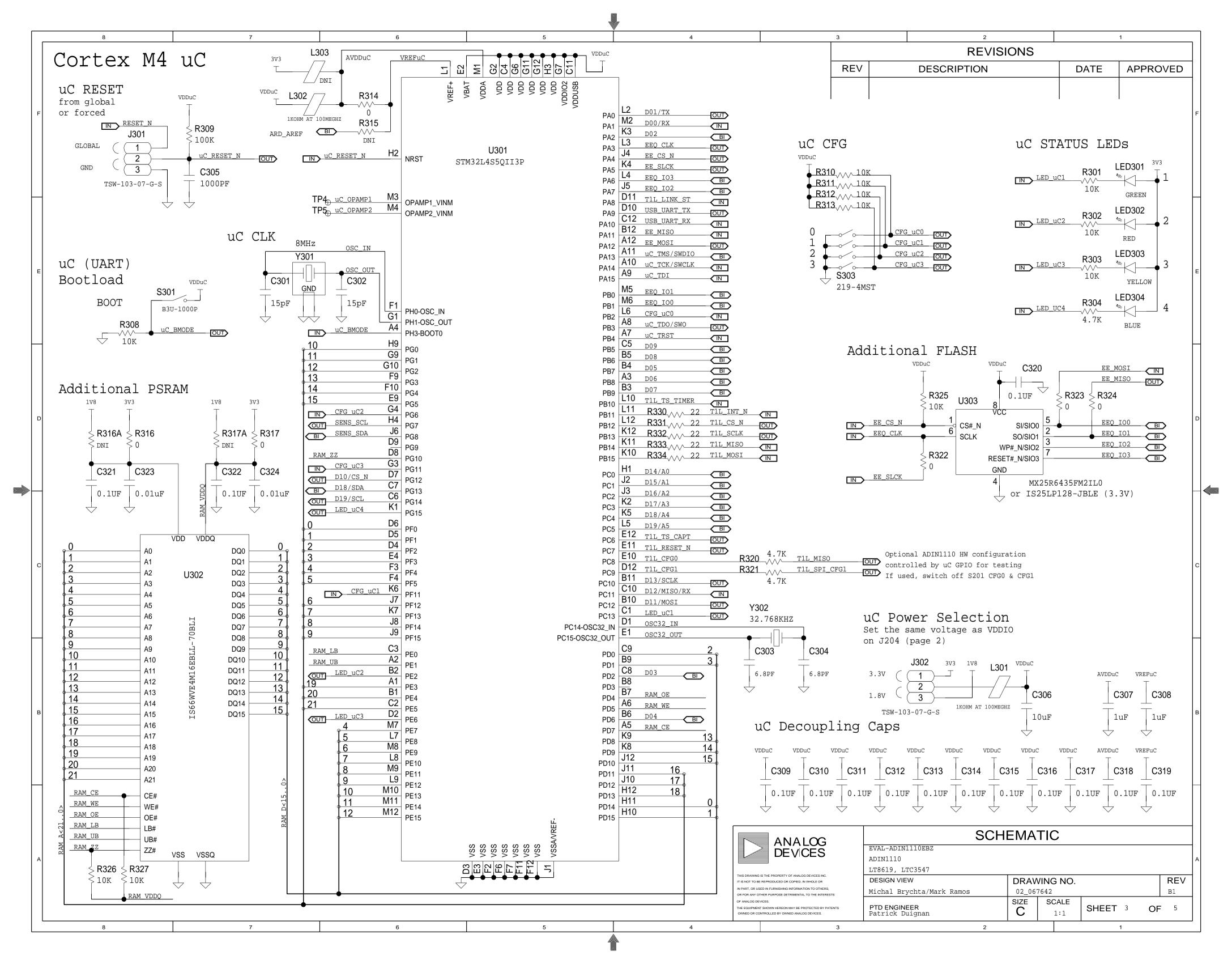
Page 3: STM32L4S Cortex M4 uC

Page 4: External connections

Page 5: Power and other circuits

	SCHEMATIC					
ANALOG						
DEVICES	ADIN1110					
	LT8619, LTC3547					
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IN PART, OR USED IN FURNISHING INFORMATION TO OTHERS, OR FOR ANY OTHER PURPOSE DETRIMENTAL TO THE INTERESTS	Michal Brychta/Mark Ramos	02_067642				В1
OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREON MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY OWNED ANALOG DEVICES.	PTD ENGINEER Patrick Duignan	SIZE	SCALE 1:1	SHEET 1	OF	5



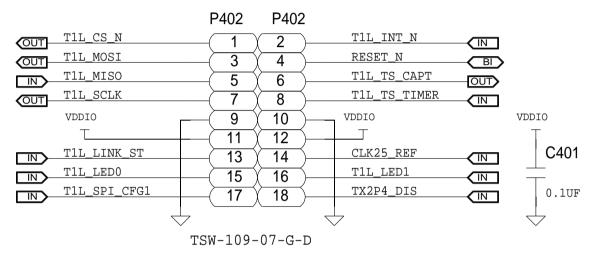


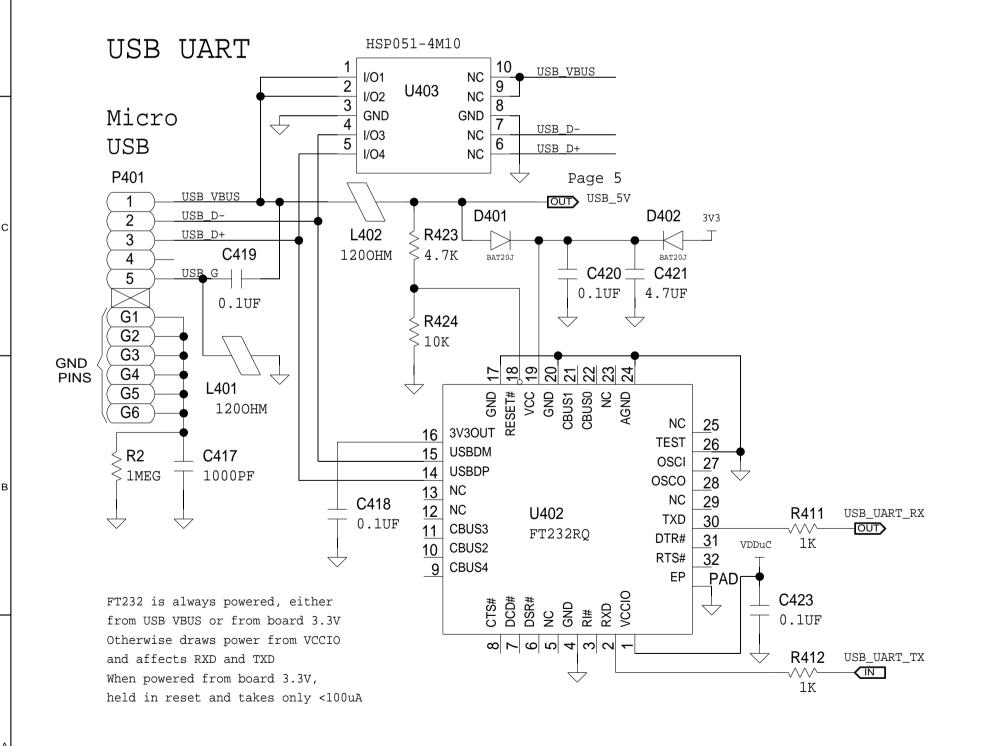
External Connections

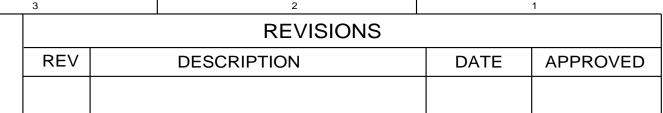
ADIN1110 Signals for monitoring or connection to external host

Logic voltage levels related to ADIN1110 VDDIO When using ADIN1110 with an external host/uC place the local uC in reset by jumper J301 in "GND" position

Pins 1 to 12 compatible with PMOD Type 2A (Expanded SPI) Pins 13 to 16 are exposing more ADIN1110 signals







P406

3

5

VDDuC

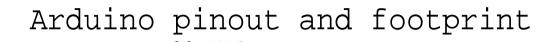
D11/MOSI IN

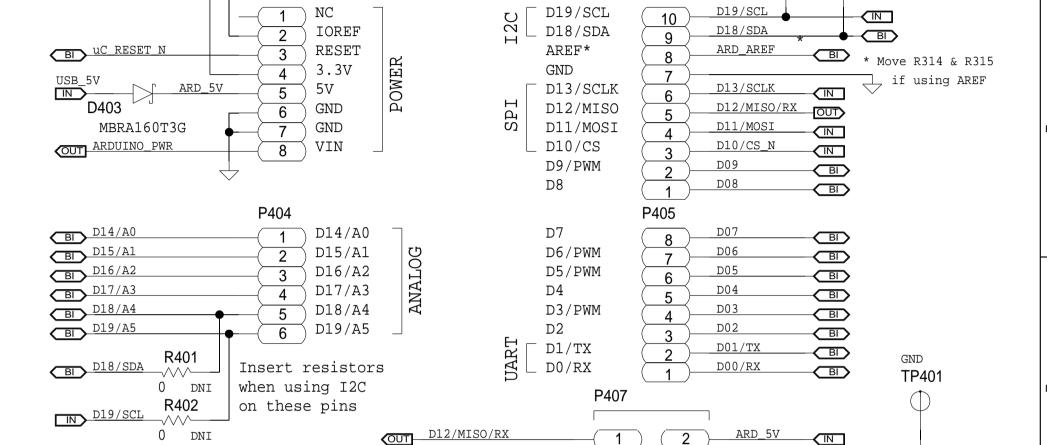
VDDuC

uC Signals

for external application / demo use

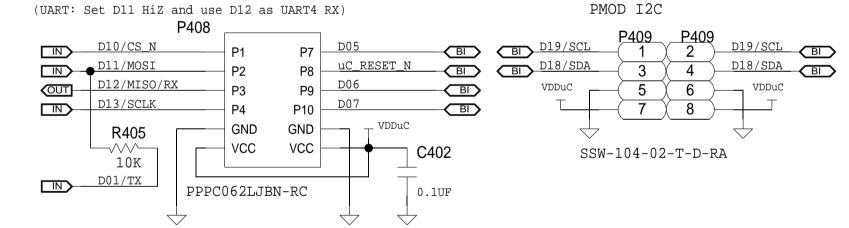
Pins configured as logic outputs have voltage levels related to VDDuC Pins configured as logic inputs expect voltage levels related to VDDuC but are 5V tolerant

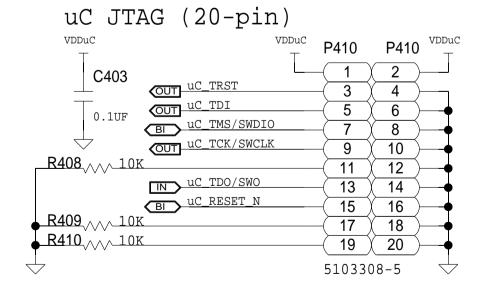


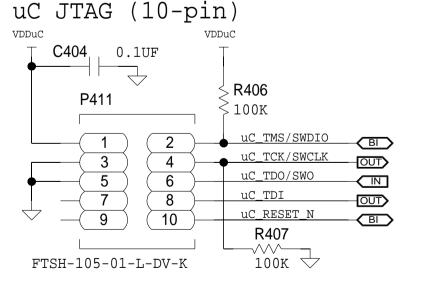


PMOD pinout & footprint

PMOD Type 2A (Expanded SPI)
PMOD Type 4A (Expanded UART)





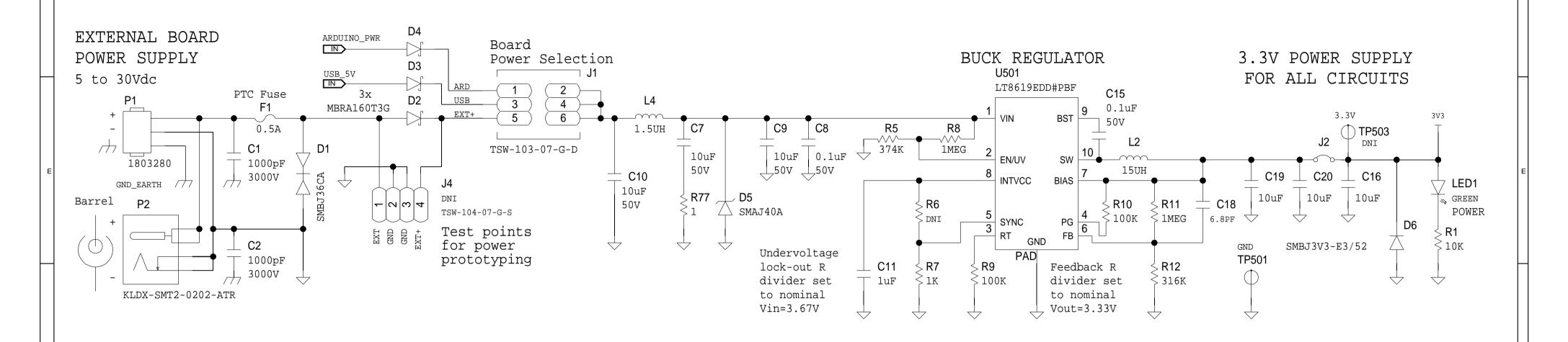


ANALOG	SCHEMATIC					
ANALOG DEVICES	EVAL-ADIN1110EBZ					
DL VICES	ADIN1110					
	LT8619, LTC3547					
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IN PART, OR USED IN FURNISHING INFORMATION TO OTHERS, OR FOR ANY OTHER PURPOSE DETRIMENTAL TO THE INTERESTS	Michal Brychta/Mark Ramos	02_06	7642			В1
OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREON MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY OWNED ANALOG DEVICES.	PTD ENGINEER Patrick Duignan	SIZE	SCALE 1:1	SHEET 4	OF	 5

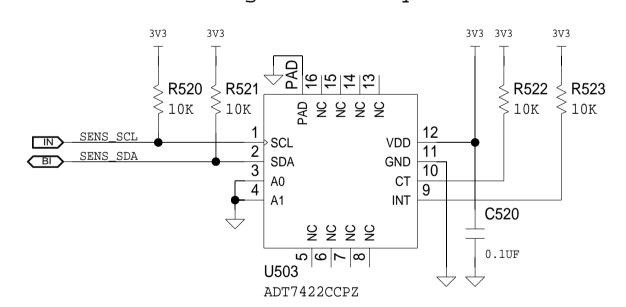
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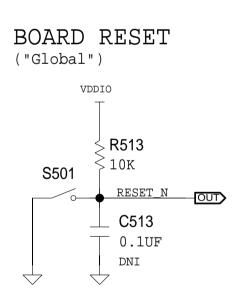
Power and other circuits

REVISIONS						
REV		DESCRIPTION		DATE	APPROVED	



DEMO TEMPERATURE SENSOR 0.1 Deg.C Accuracy





DUAL STEPDOWN from 3.3V to 1.8V and 1.1V

