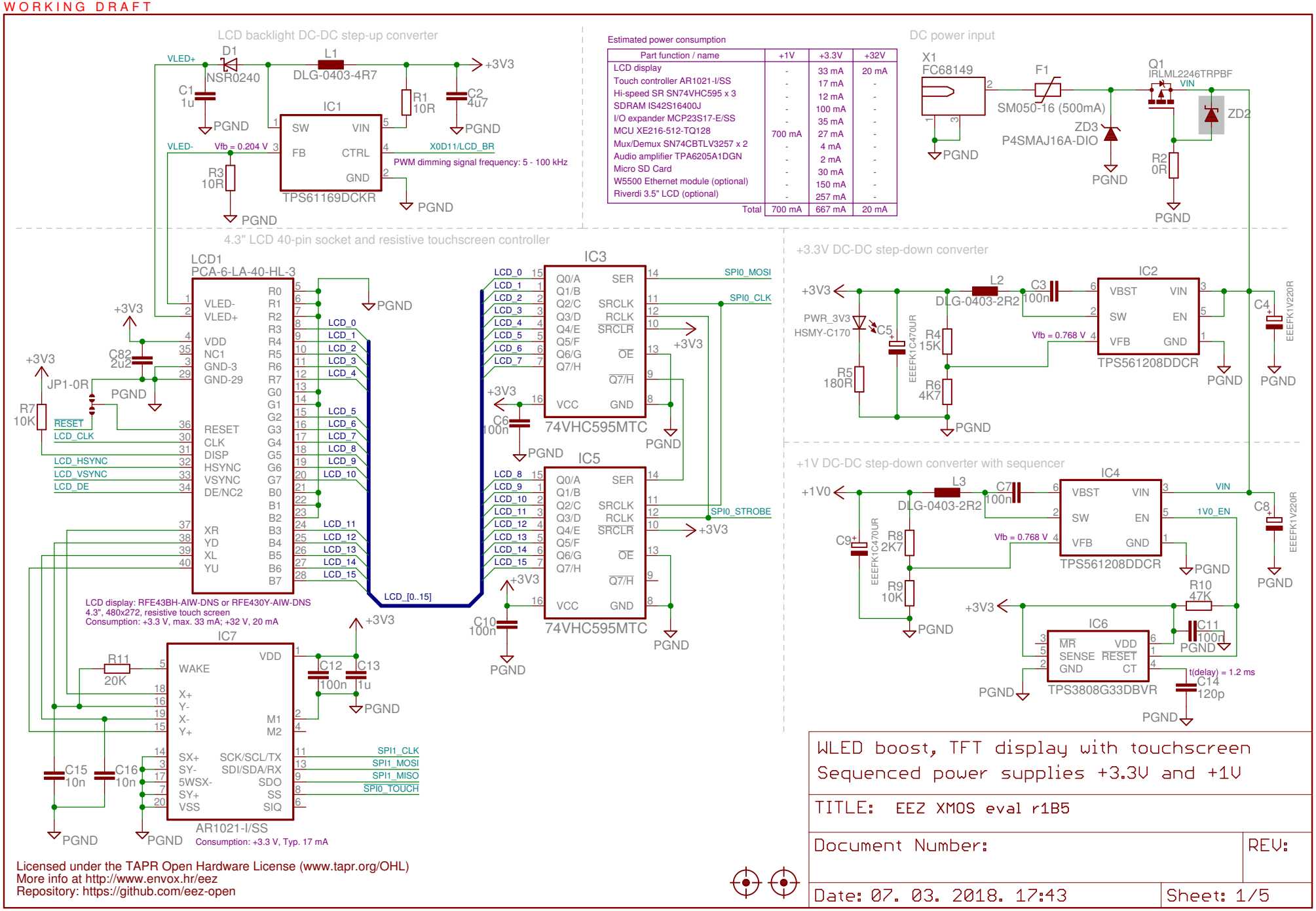
WORKING DRAFT



Part function / name	+1V	+3.3V	+32V
LCD display	-	33 mA	20 mA
Touch controller AR1021-I/SS	-	17 mA	-
Hi-speed SR SN74VHC595 x 3	-	12 mA	-
SDRAM IS42S16400J	-	100 mA	-
I/O expander MCP23S17-E/SS	-	35 mA	-
MCU XE216-512-TQ128	700 mA	27 mA	-
Mux/Demux SN74CBTLV3257 x 2	-	4 mA	-
Audio amplifier TPA6205A1DGN	-	2 mA	-
Micro SD Card	-	30 mA	-
W5500 Ethernet module (optional)	-	150 mA	-
Riverdi 3.5" LCD (optional)	-	257 mA	-
Total	700 mA	667 mA	20 mA

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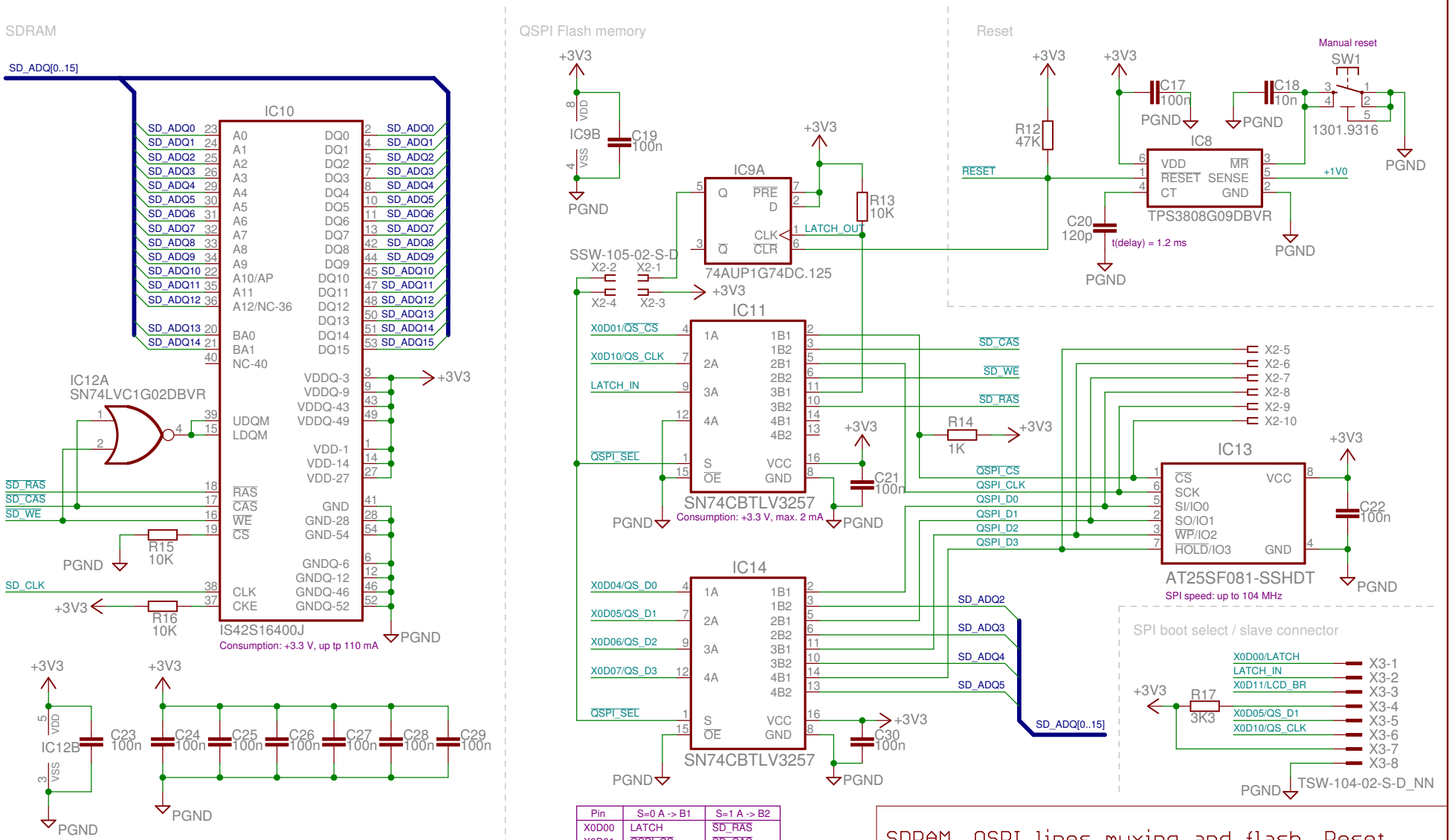
Repository: https://github.com/eez-open

WORKING DRAFT



Pin	S=0 A -> B1	S=1 A -> B2
X0D00	LATCH	SD_RAS
X0D01	QSPI_CS	SD_CAS
X0D04	QSPI_D0	SD_ADQ2
X0D05	QSPI_D1	SD_ADQ3
X0D06	QSPI_D2	SD_ADQ4
X0D07	QSPI_D3	SD_ADQ5
X0D10	QSPI_CLK	SD_WE

Ctrl.	X2
Int.	1 - 2 (Def.)
Ext.	3 - 4

Boot mode	X3
QSPI	1 - 2 (Def.)
Slave SPI	3 - 4

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SDRAM, QSPI lines muxing and flash, Reset

TITLE: EEZ XMOS eval r1B5

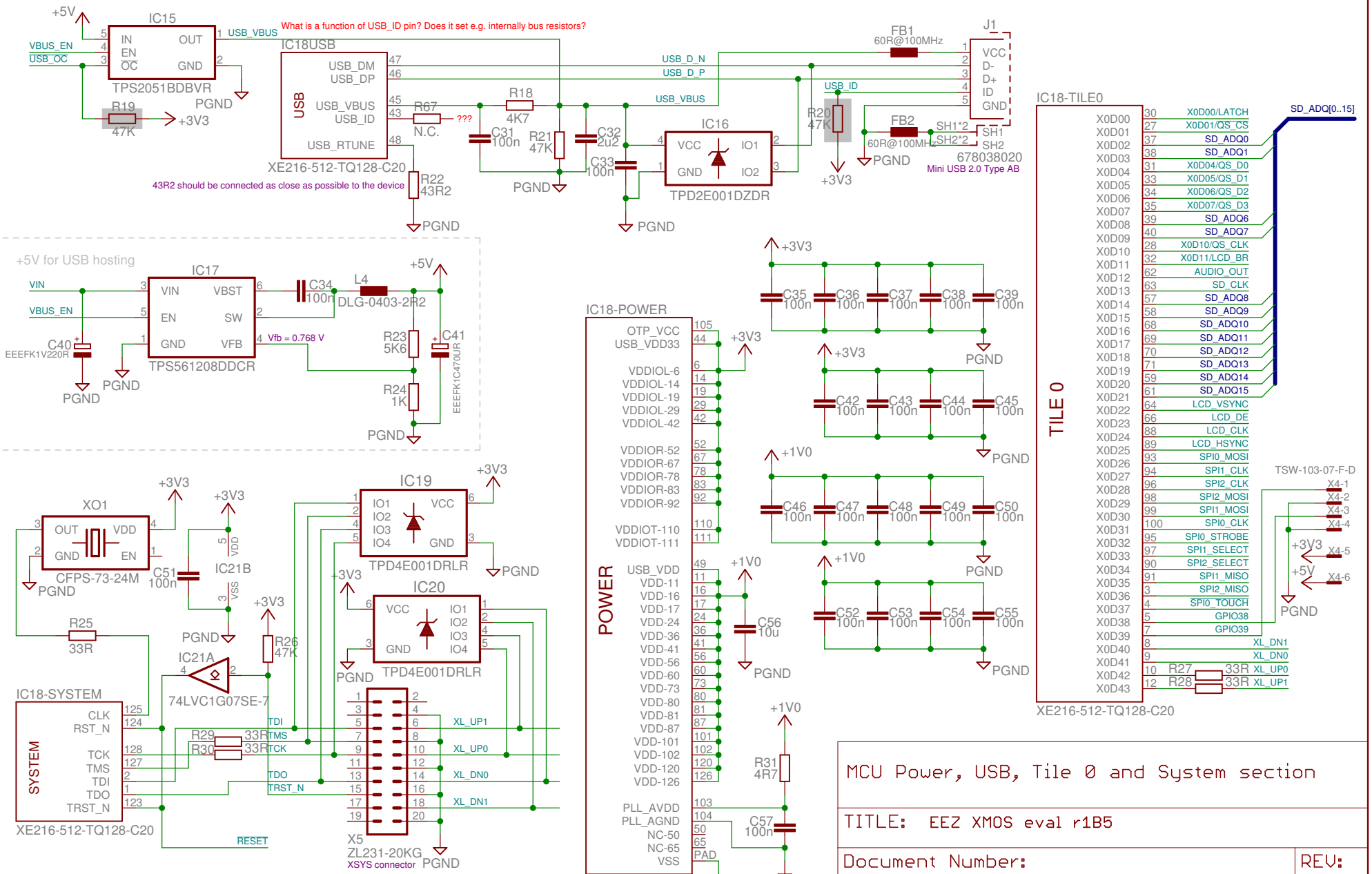
Document Number:

REV:

Date: 07. 03. 2018. 17:43

Sheet: 2/5

WORKING DRAFT



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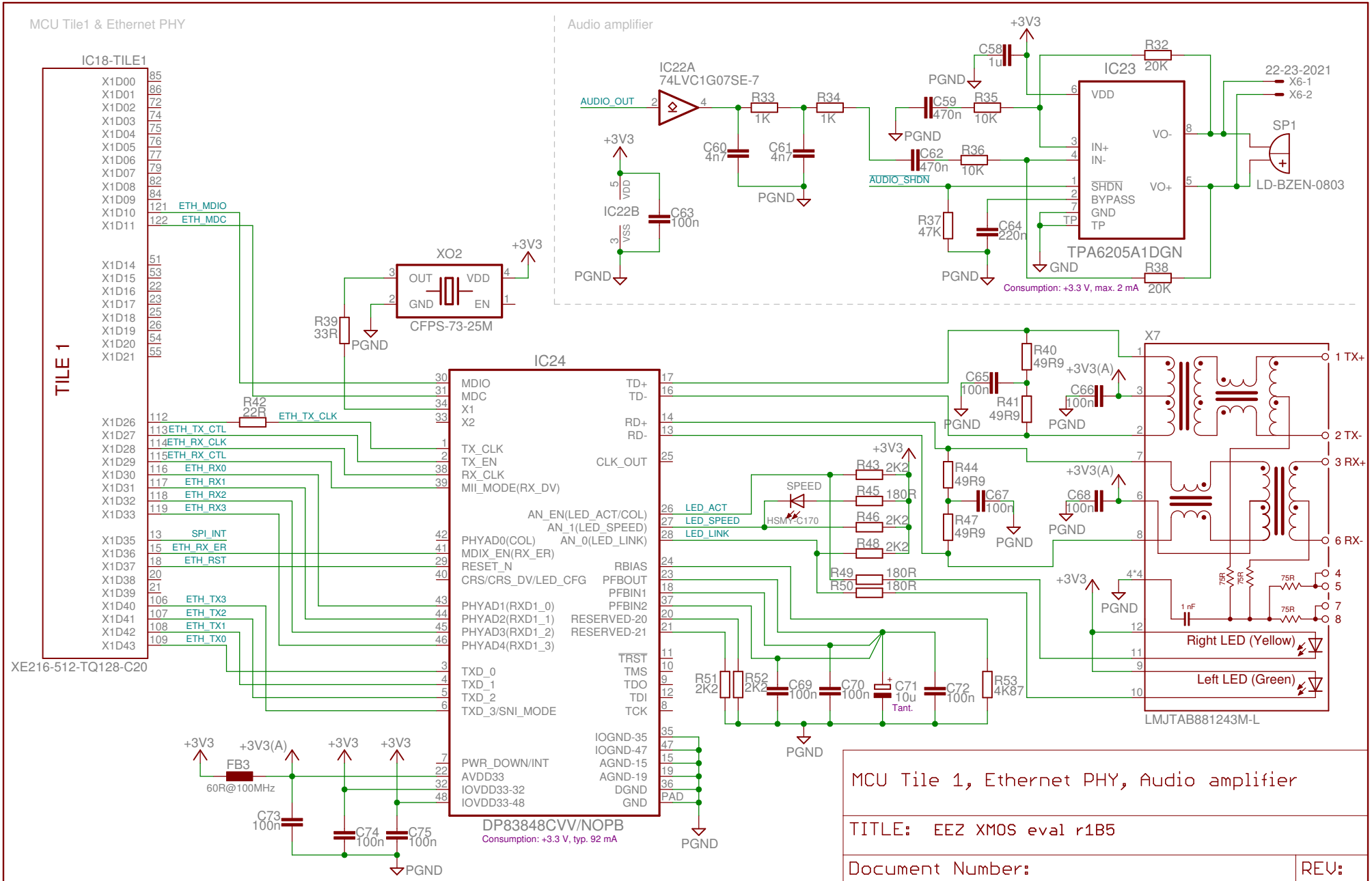

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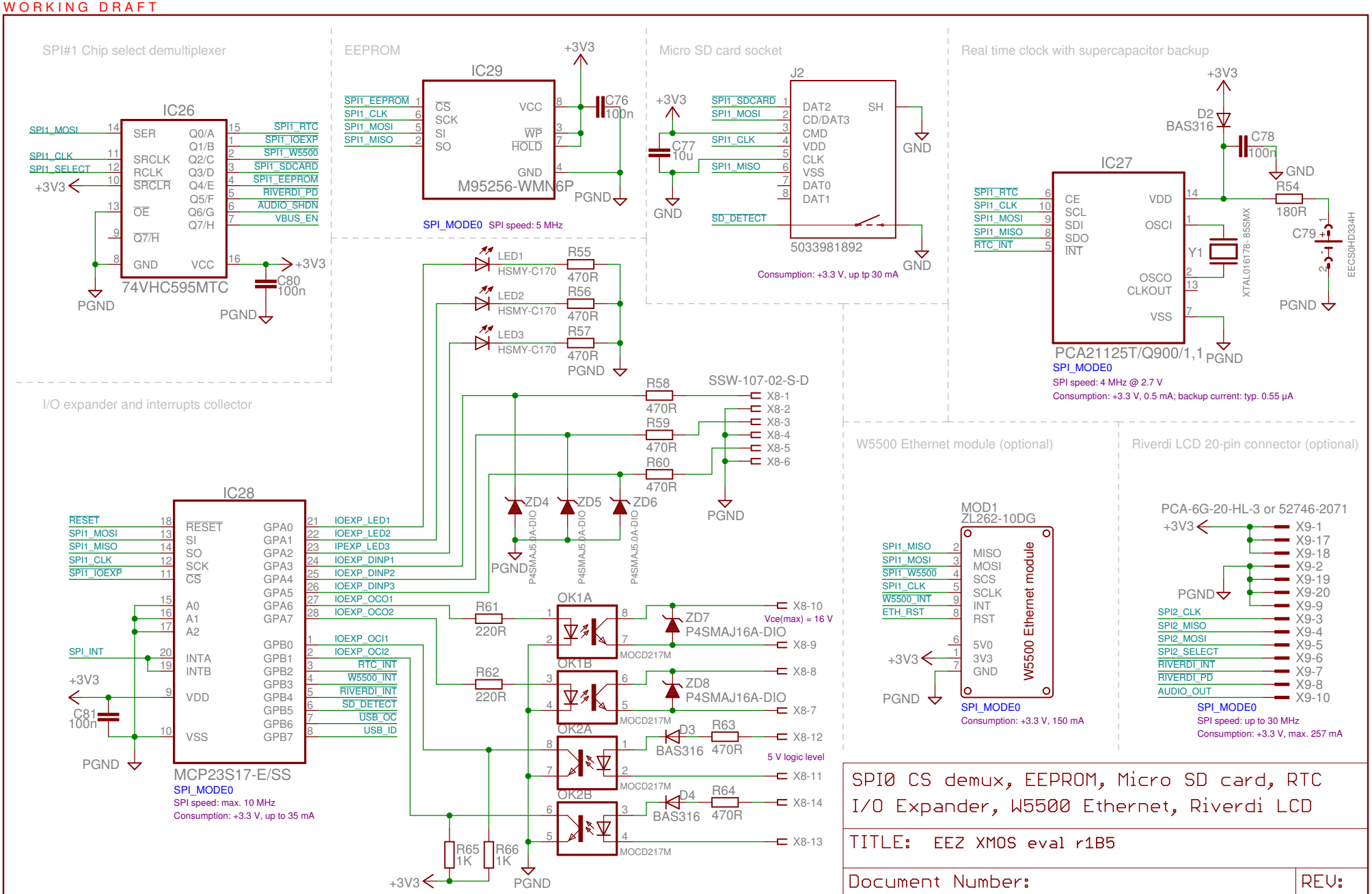
MCU Tile 1, Ethernet PHY, Audio amplifier	
TITLE: EEZ XMOS eval r1B5	
Document Number:	REV:
Date: 07. 03. 2018. 17:43	Sheet: 4/5

WORKING DRAFT



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