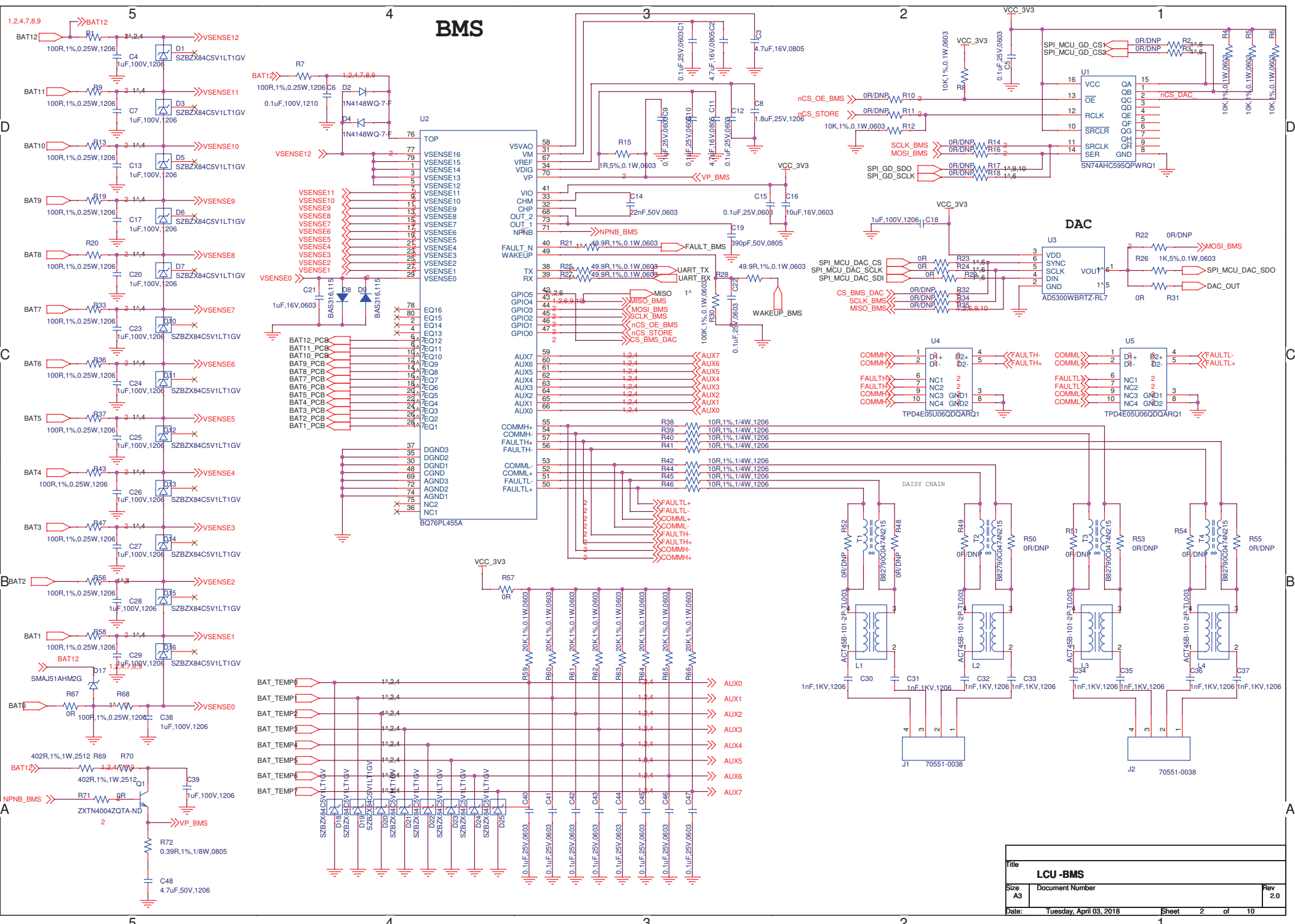




Isolated DC-DC forward converter

The schematic diagram illustrates an isolated DC-DC forward converter. The input is a 12V supply. The circuit includes a transformer (T6, 750311492) and various passive components like capacitors (C69-C78, C74-C76, C80, C81, C82, C83, C84, C85, C86, C87, C88) and resistors (R81-R99). The converter uses two MOSFETs (M1, M2, NVMF55C673NLAFT3G) and diodes (D27, D28, D29, D30, D31, D32, SZ1SM5949BT3G, SZBZX84C5V1LT1GV, SZBZX84C5V1LT1G, SS12HR3G). The control section includes a 74HCT1G14G-Q100H inverter and a 750311492 transformer. The output is connected to a load (CELL_POS, CELL_NEG). The circuit is labeled with grid coordinates 1-5 and A-D.

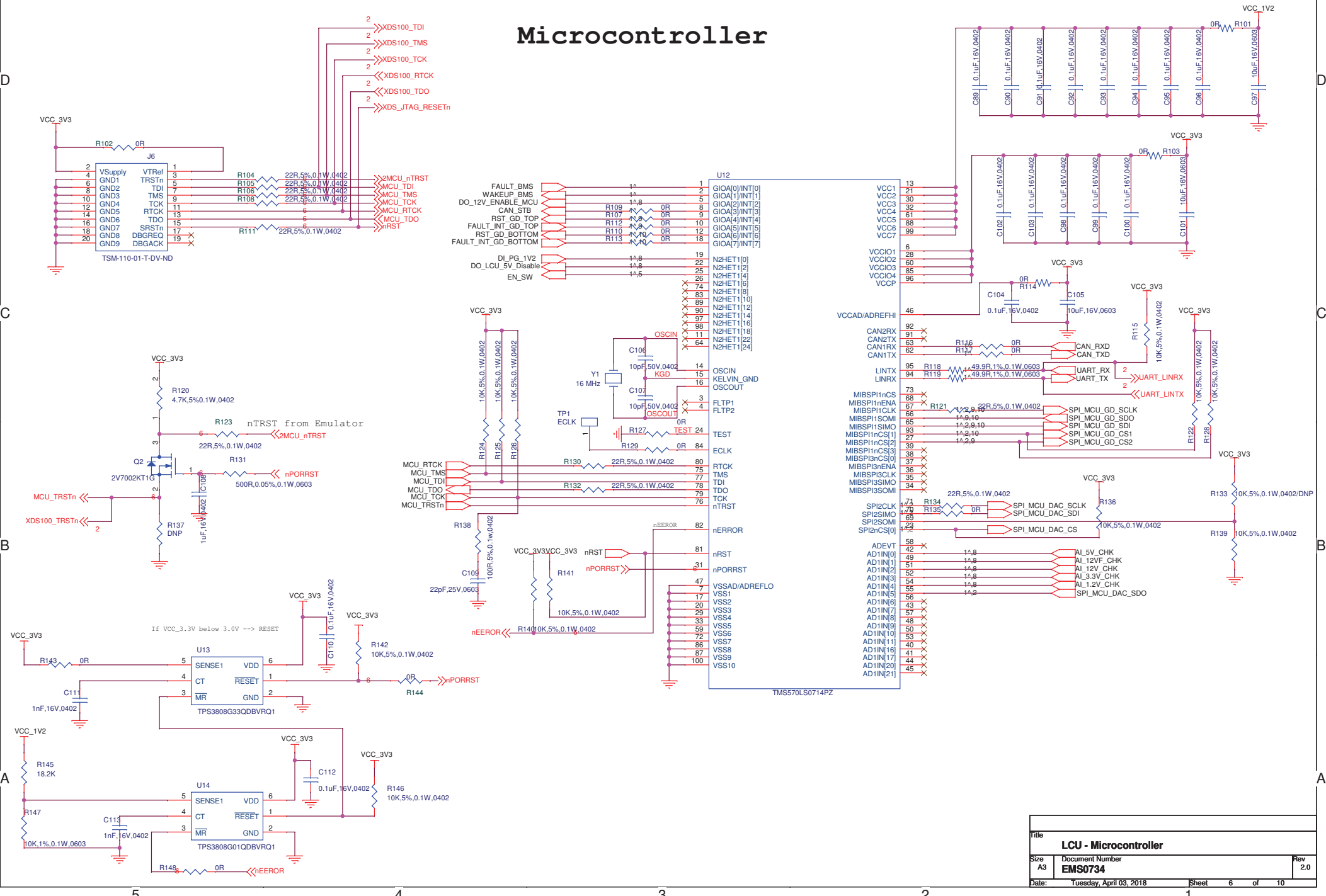
Title		
LCU - Isolated DC-DC forward converter		
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A3		2.0
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Isolated DC-DC forward converter

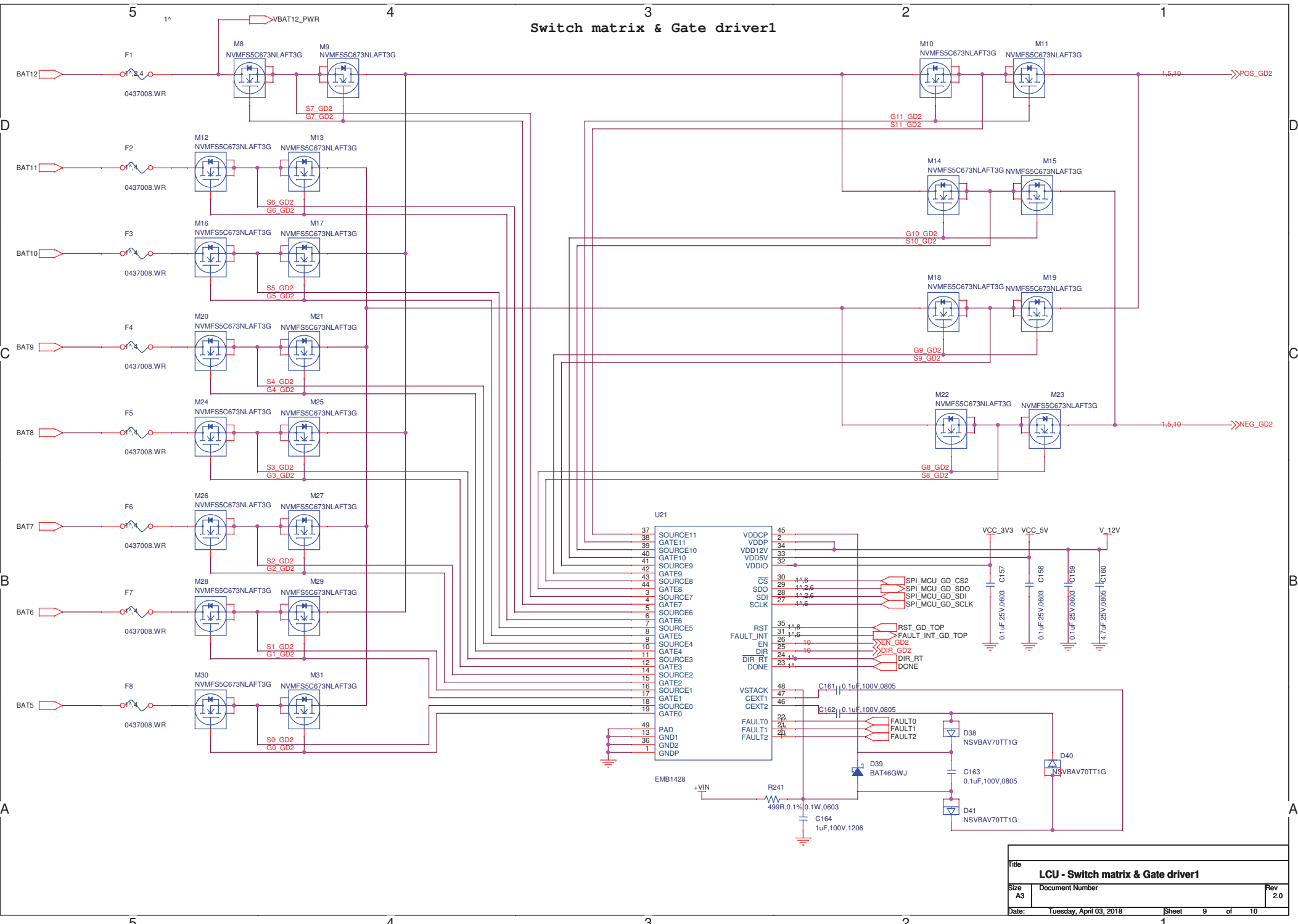
The schematic diagram illustrates an isolated DC-DC forward converter. The input is a 12V source connected to a 402K resistor (R81) and a 10K resistor (R83). The output is connected to a load (CELL_POS, CELL_NEG) and a 100K resistor (R99). The circuit includes a transformer (T6, 750311492) and various components like capacitors (C69-C78, C74-C76, C80, C81, C82, C83, C84, C85, C86, C87, C88), resistors (R81-R99), diodes (D27, D28, D29, D30, D31, D32), and integrated circuits (U8, U9, U10, U11, M1, M2, M3, M4, M5). It also shows a feedback loop with a 10K resistor and a 100K resistor, and a 100K resistor for the output filter.

Title		
LCU - Isolated DC-DC forward converter		
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Microcontroller



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A3	EMS0734	2.0
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Title		
LCU - Switch matrix & Gate driver1		
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A3		2.0
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