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### REVISIONS

Zone	Rev	Description	Date	Approved
	X1	Initial version	15.01.2015	L.V.

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#### Automotive, Industrial & Multi-market Solutions Group

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Designer:  
Lukas Vaculik

Drawing Title:

## 3PMET-KM34Z256

Drawn by:  
Lukas Vaculik

Page Title:

### 00\_Revision

Approved:  
Martin Mienkina

Size  
A

Document Number

SCH-28709 PDF: SPF-28709

Rev  
X1

Date: Friday, January 16, 2015

Sheet 1 of 4

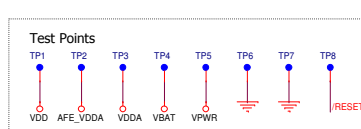
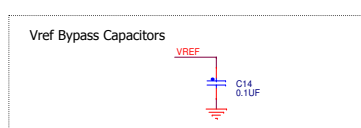
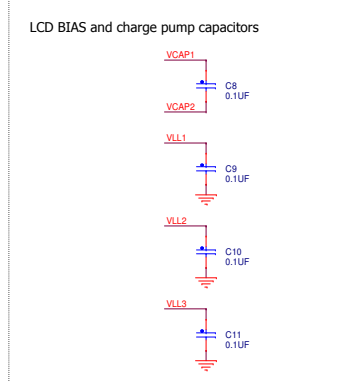
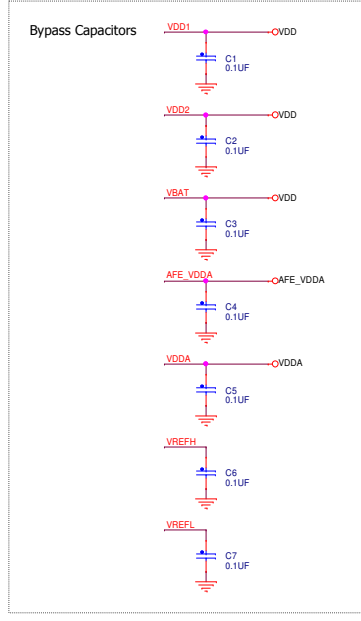
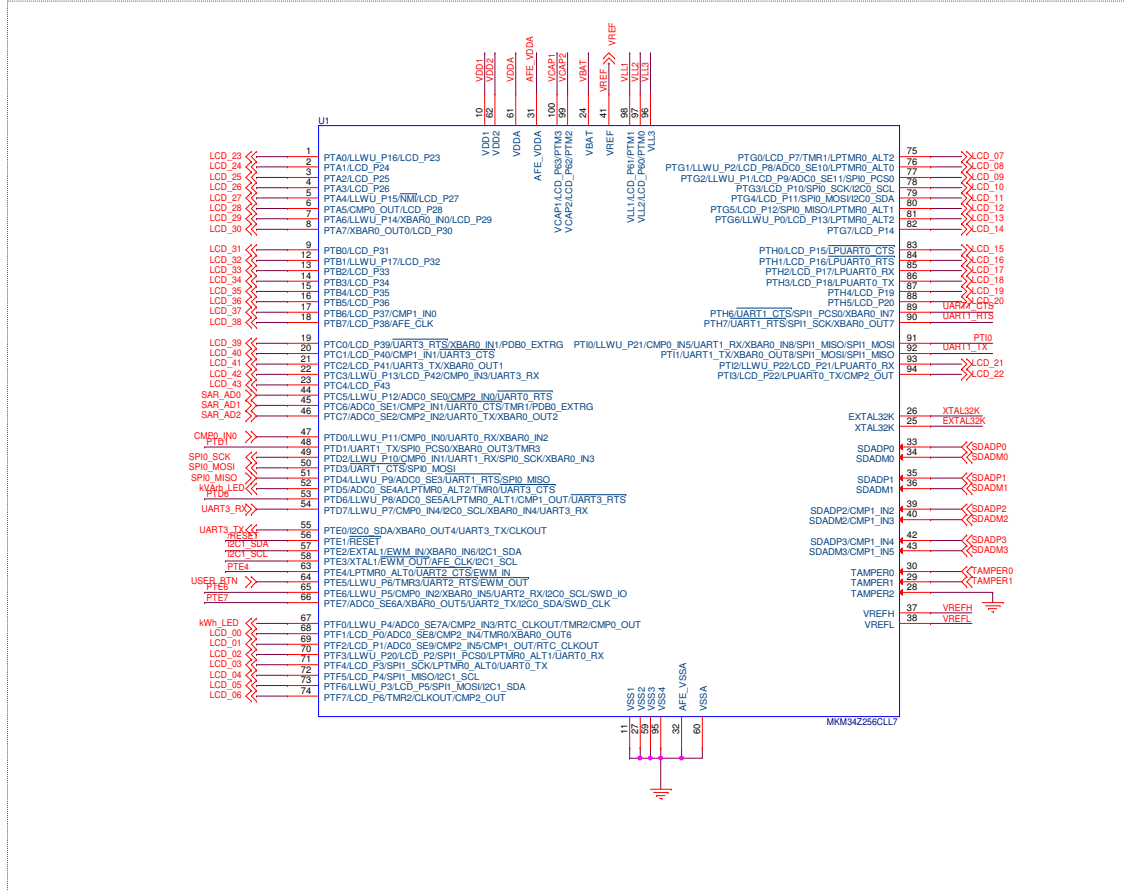
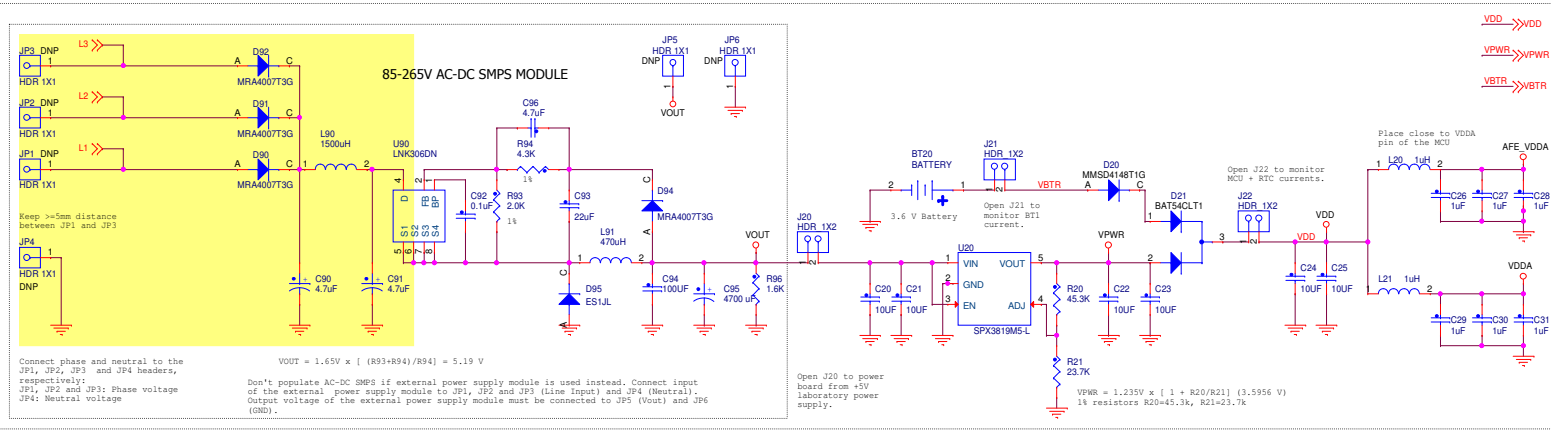
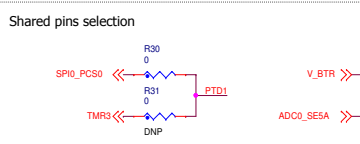
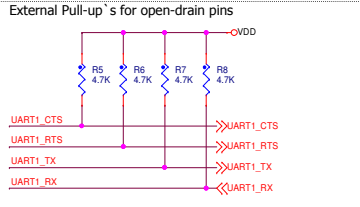
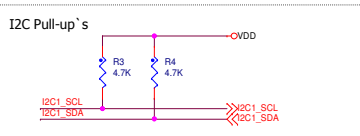
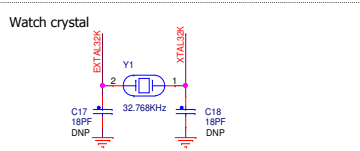
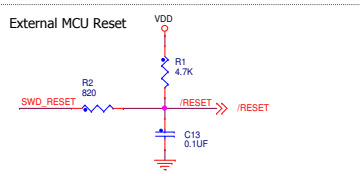
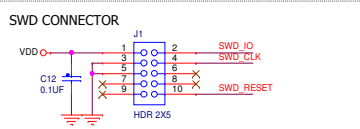
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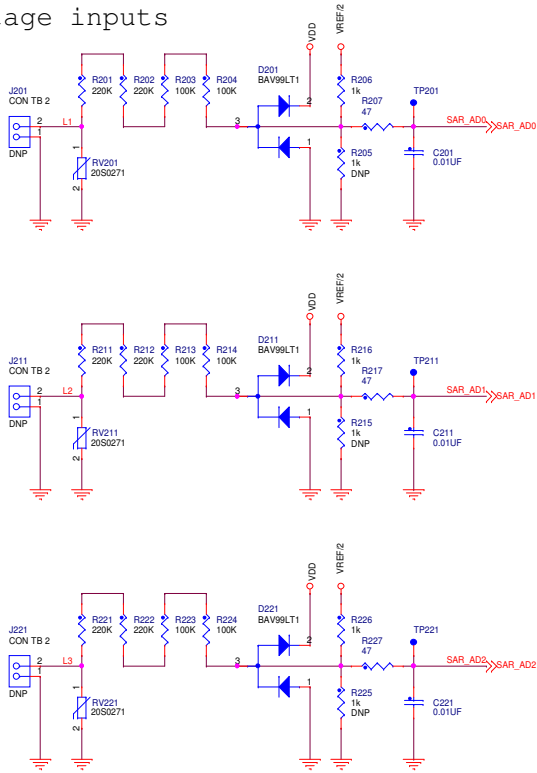
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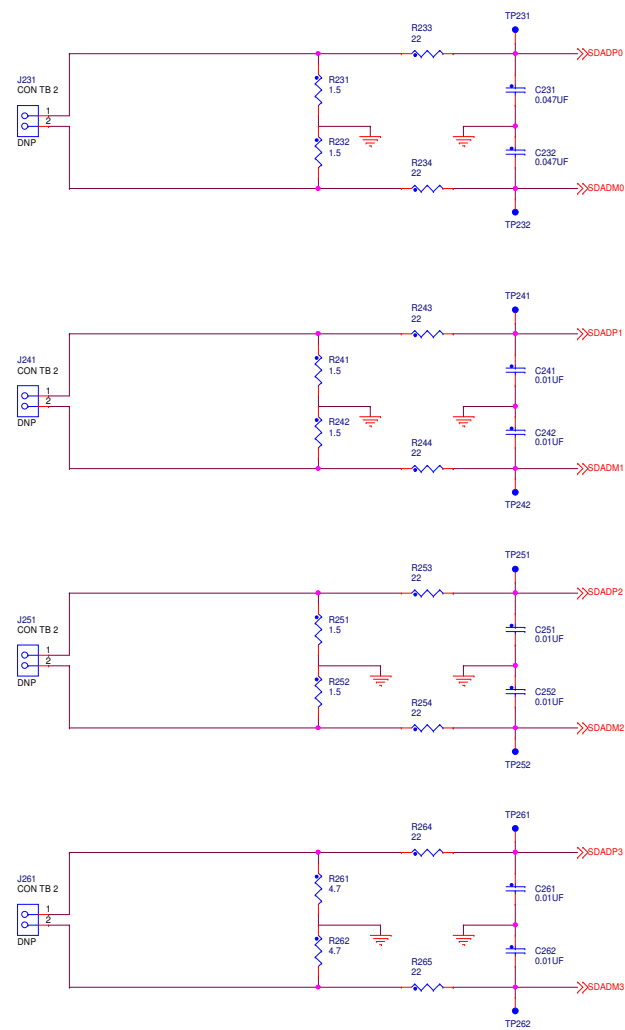


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Designer: Lukas Vavulak		Drawing Title: <b>3PMET-KM34Z256</b>	
Drawn by: Lukas Vavulak		Page Title: <b>01_MCU</b>	
Approved: Martin Mienka		Size C	Document Number SCH-28708 PDF: SPF-28709
Date: Wednesday, May 06, 2015		Sheet 2 of 4	Rev X1

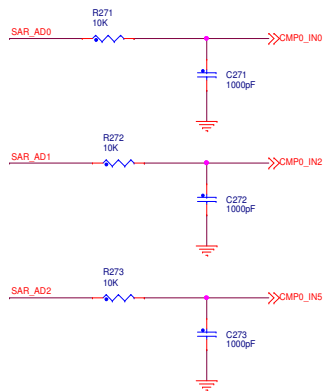
### Voltage inputs



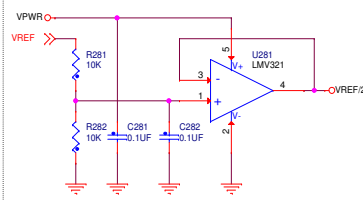
### Current inputs



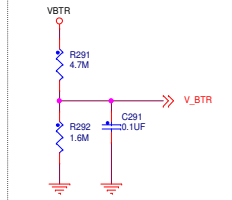
### Zero crossing



### Vref/2

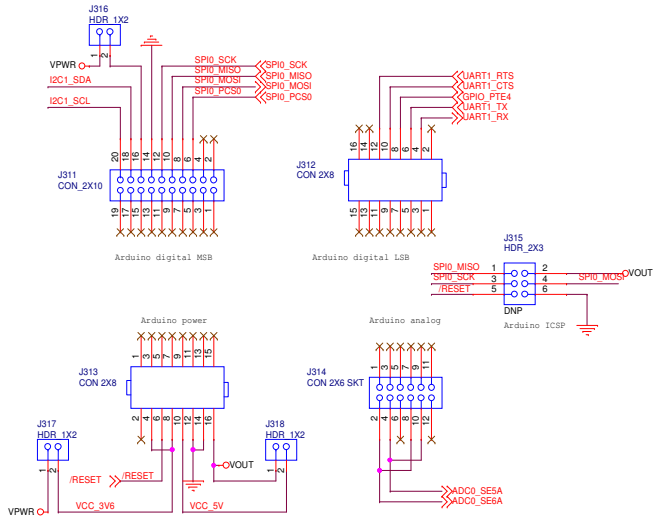


### Battery level



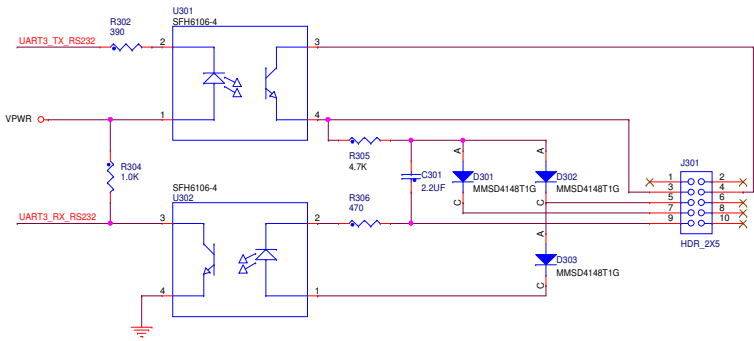
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Approved: Martin Mienkina		Size C	Document Number SCH-28709 PDF: SPF-28709
Date: Monday, May 11, 2015		Sheet 3	of 4

### ARDUINO Shield connectors

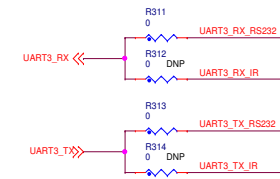


Keep spacing between J311...J318 connectors according to the Arduino/FRDM specification.

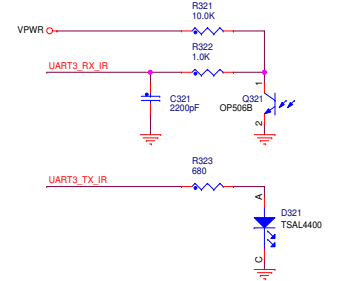
### Isolated RS232



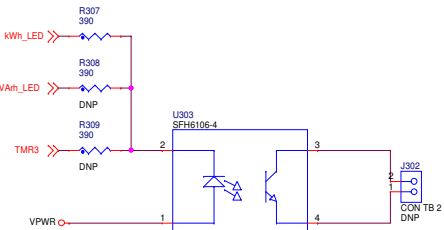
### USART selector



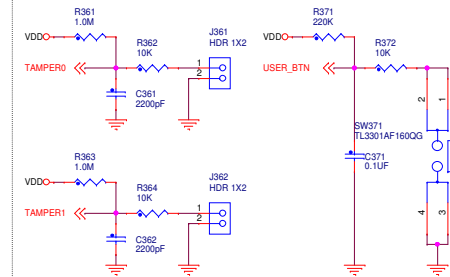
### IR interface



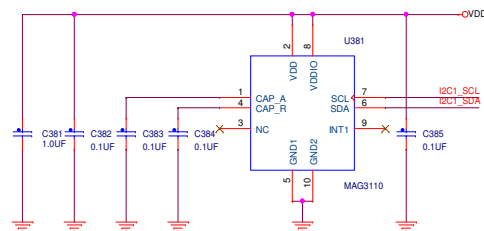
### Pulse output



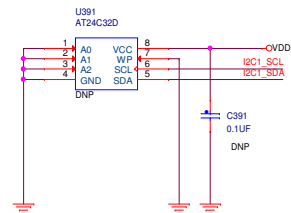
### Tampers and User Button



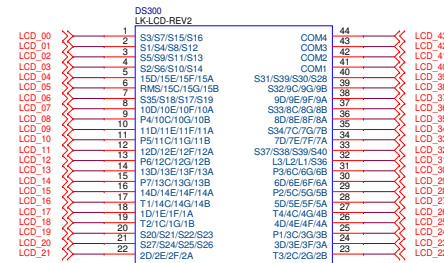
### Magnetic Field Tamper sensor



### 4kB I2C EEPROM



### LCD



### LEDs



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Drawn by: Lukas Vaculik	Page Title: <b>03_Digital</b>
Approved: Martin Mienkina	Size C Document Number SCH-28709 PDF: SPF-28709
Date: Monday, May 11, 2015	Sheet 4 of 4