

# 160924 - ArduX1 Energy Analyzer

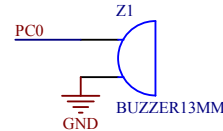
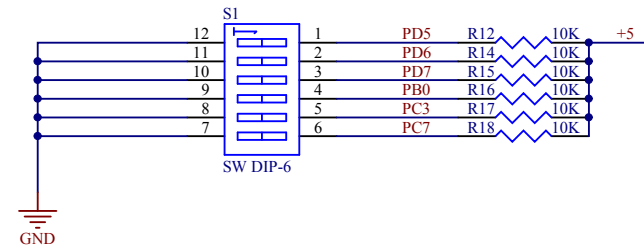
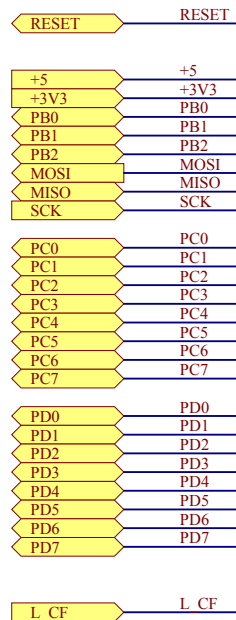
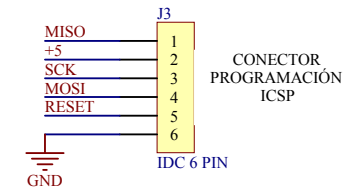
Title: **POWER**

Size: A3  
Organization: Ray Ingeniería Electrónica, S.L.



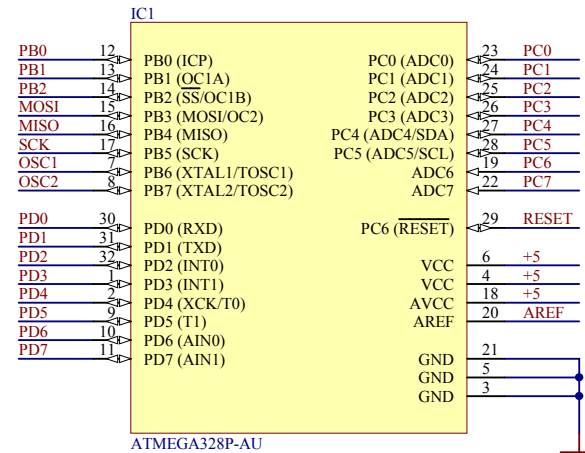
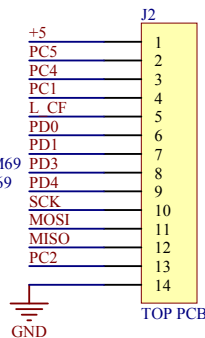
Date: 23/11/2016  
File: Power.Sch  
Drawn by: Raimundo Alfonso Sanchez

Number: 1  
Rev.: 0  
Sheet: 1 of 5



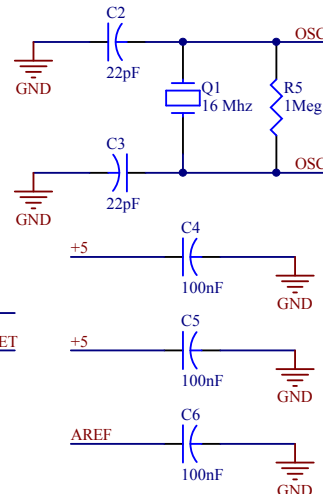
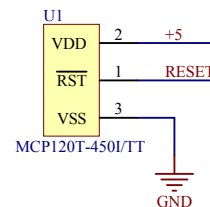
5 - SCL  
4 - SDA  
1 - AUX

0 - RX  
1 - TX  
3 - RX S.UART/IRQ\_RFM69  
4 - TX S.UART/CS\_RFM69




0 - BUZZER  
1 - AUX  
2 - NC  
3 - DIR 4  
4 - SDA  
5 - SCL  
6 - AN0  
7 - DIR 5

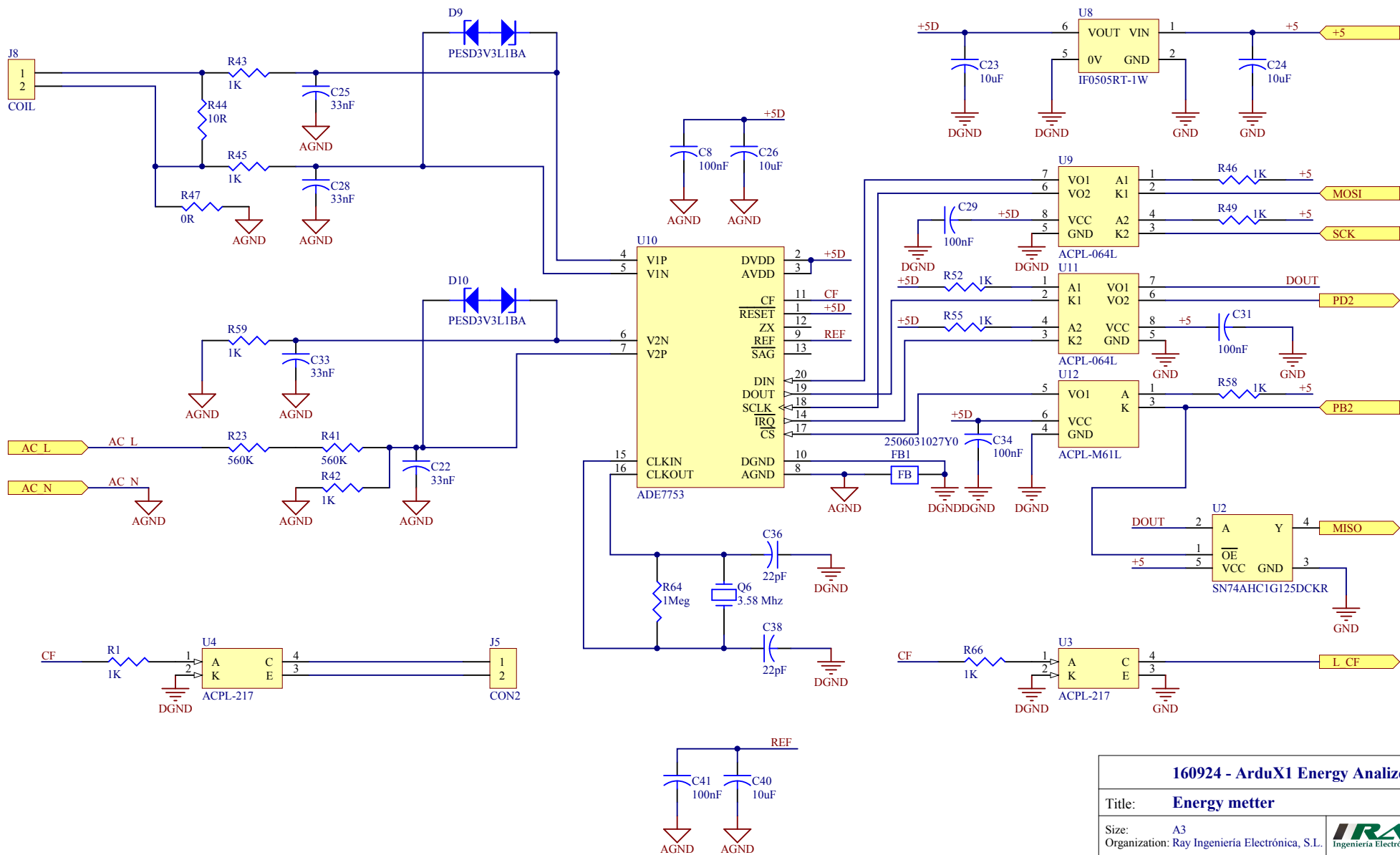
0 - RX  
1 - TX  
2 - IRQ\_ADE  
3 - RX S.UART/IRQ\_RFM69  
4 - TX S.UART/CS\_RFM69  
5 - DIR 0  
6 - DIR 1  
7 - DIR 2  
8 - DIR 3  
9 - RELAY  
10 - CS\_ADE  
11 - MOSI  
12 - MISO  
13 - SCK



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Title: MICROCONTROLLER

Size: A3	
Organization: Ray Ingeniería Electrónica, S.L.	
Date: 23/11/2016	Number: 1
File: Micro.Sch	Rev.: 0
Drawn by: Raimundo Alfonso Sanchez	Sheet: 2 of 5



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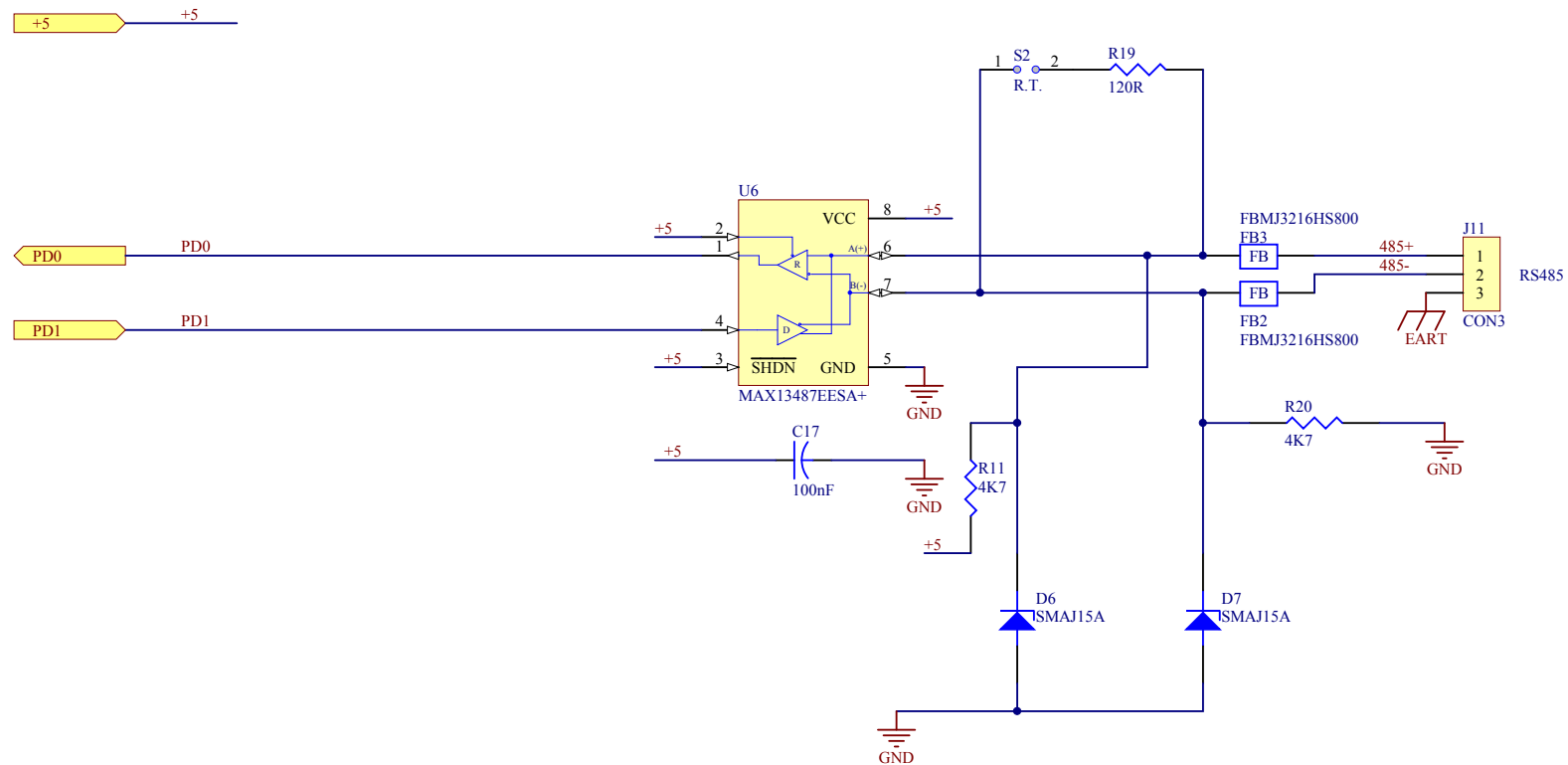
Title: **Energy metter**

Size: A3  
Organization: Ray Ingeniería Electrónica, S.L.



Date: 23/11/2016  
File: ADE7753.Sch  
Drawn by: Raimundo Alfonso Sanchez

Number: 1  
Rev.: 0  
Sheet: 3 of 5



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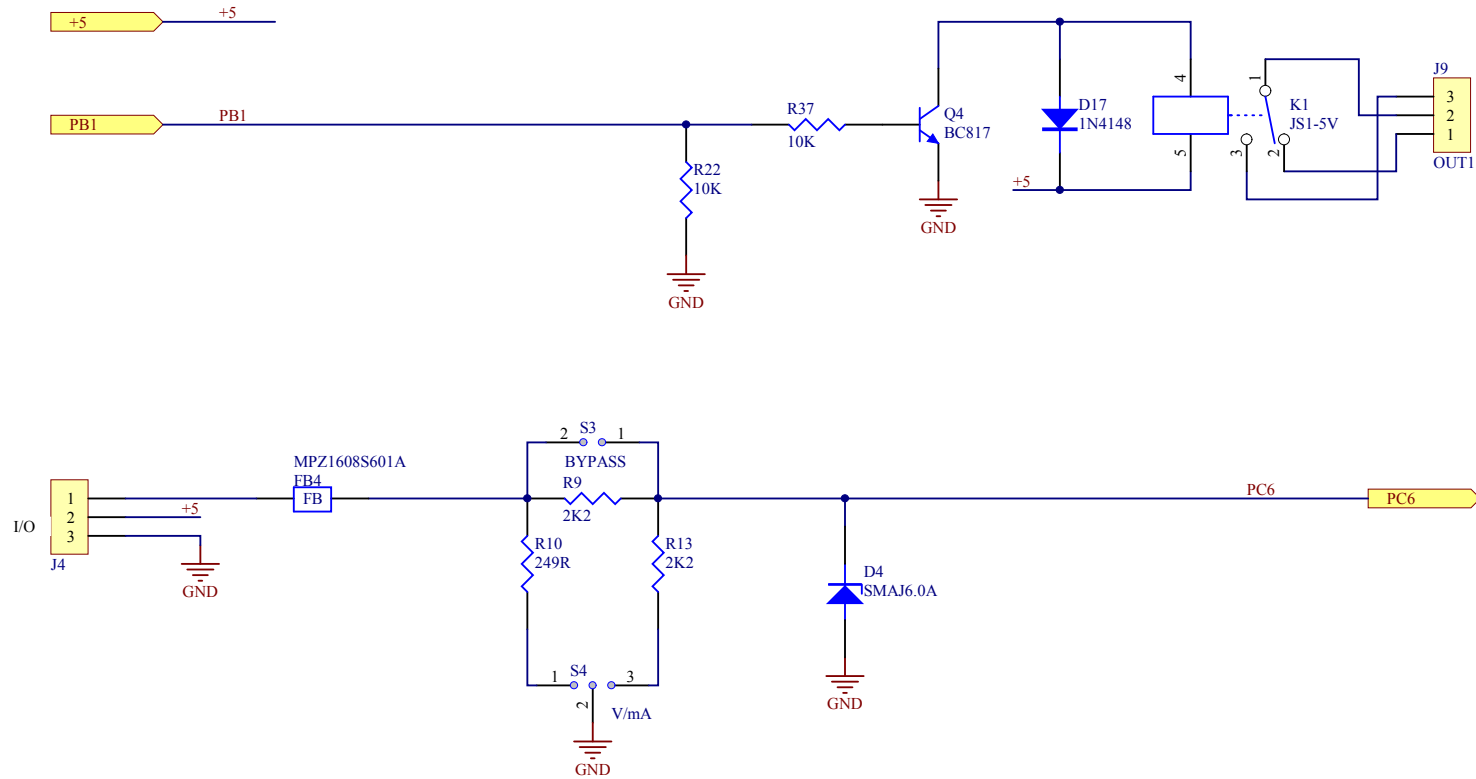
Title: **RS485**


Size: A3  
Organization: Ray Ingeniería Electrónica, S.L.



Date: 23/11/2016  
File: RS485.Sch  
Drawn by: Raimundo Alfonso Sanchez

Number: 1  
Rev.: 0  
Sheet: 4 of 5



160924 - ArduX1 Energy Analyzer		
Title:	INPUT & OUTPUT	
Size:	A3	 Ingenieria Electrónica
Organization:	Ray Ingeniería Electrónica, S.L.	
Date:	23/11/2016	Number: 1
File:	I_O.Sch	Rev.: 0
Drawn by:	Raimundo Alfonso Sanchez	Sheet: 5 of 5