

A

B

C

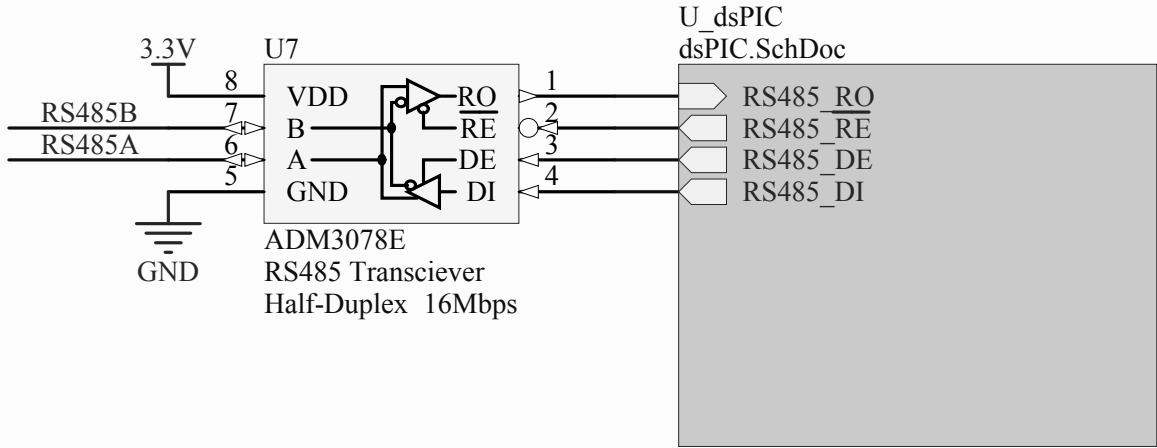
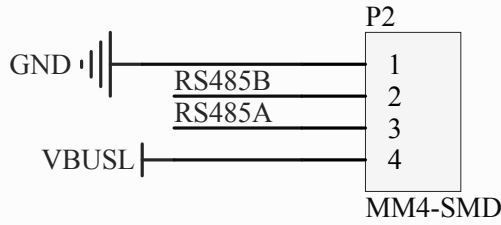
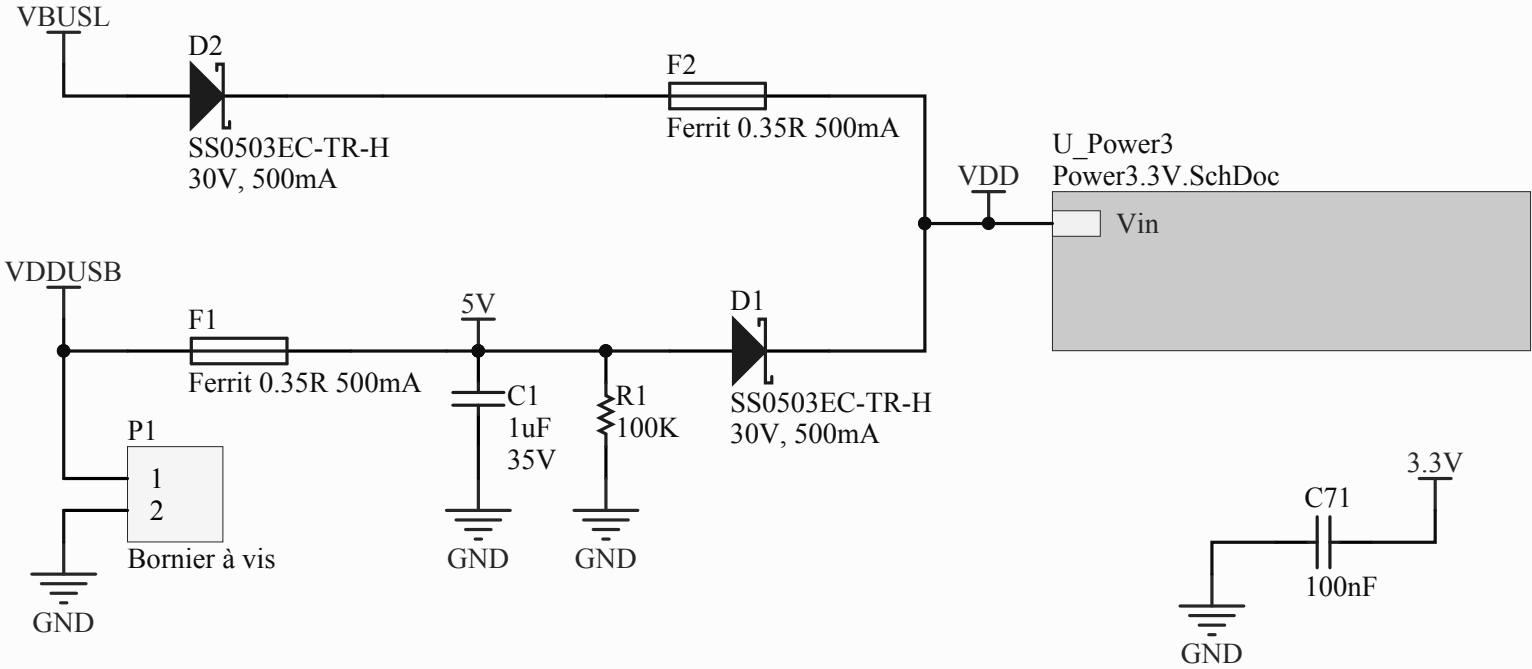
D

A

B

C

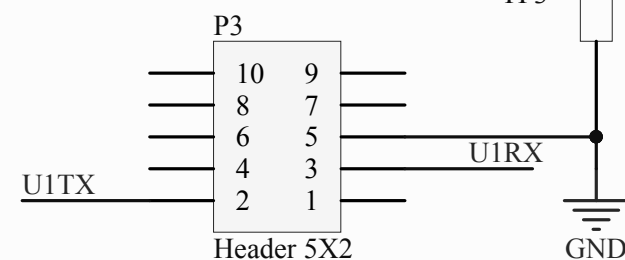
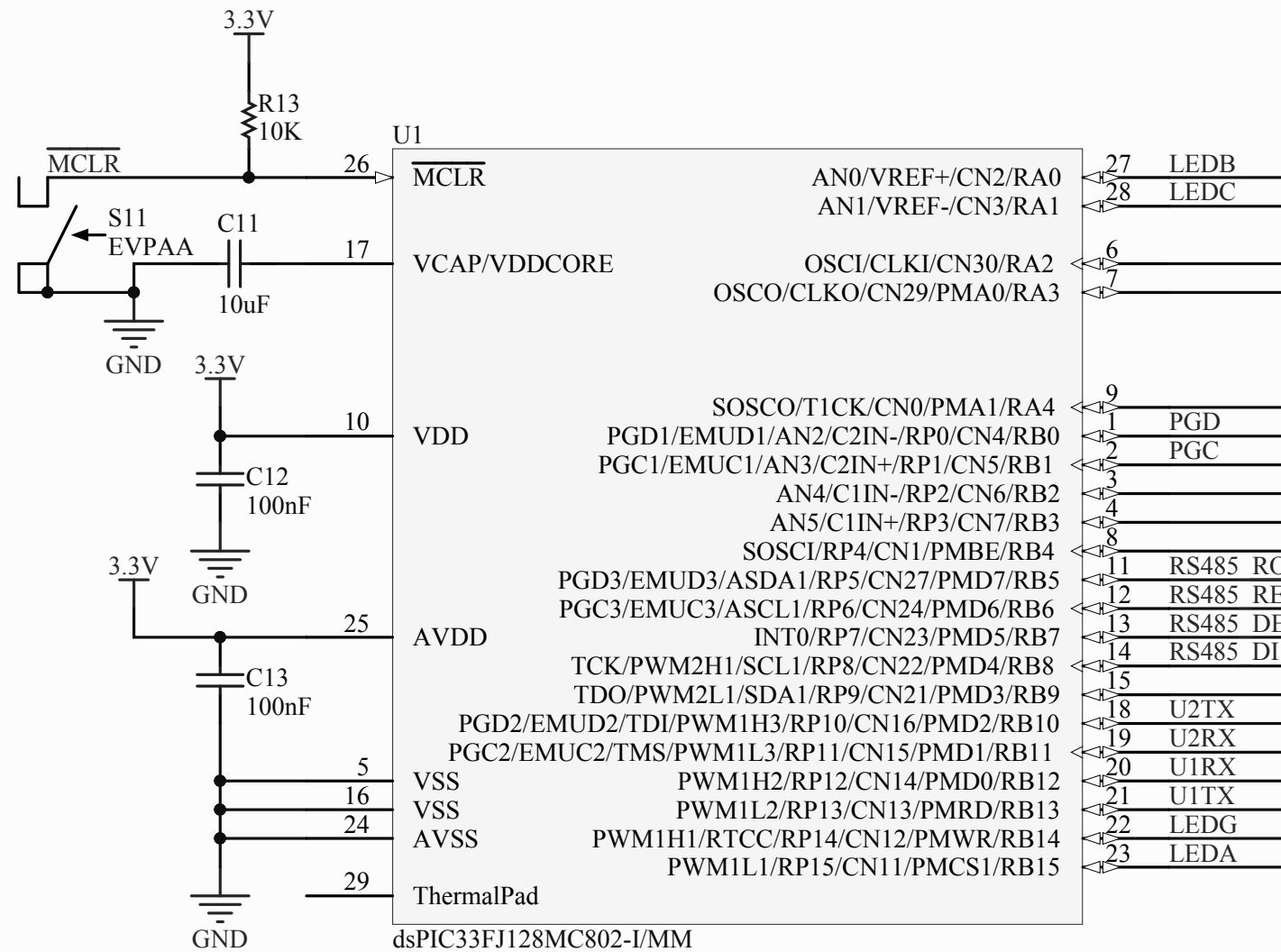
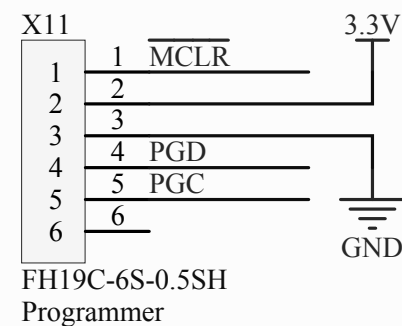
D



Title		
SBCP Master communication board Main sheet		
Size	Number	Revision
A4	Biorobotics Laboratory École Polytechnique Fédéral de Lausanne	
Date:	18/03/2014	Sheet of
File:	Z:\oncilla-hardware\..\sbcpr-master.SchDoc	Drawn By: Rico Möckel

A

A

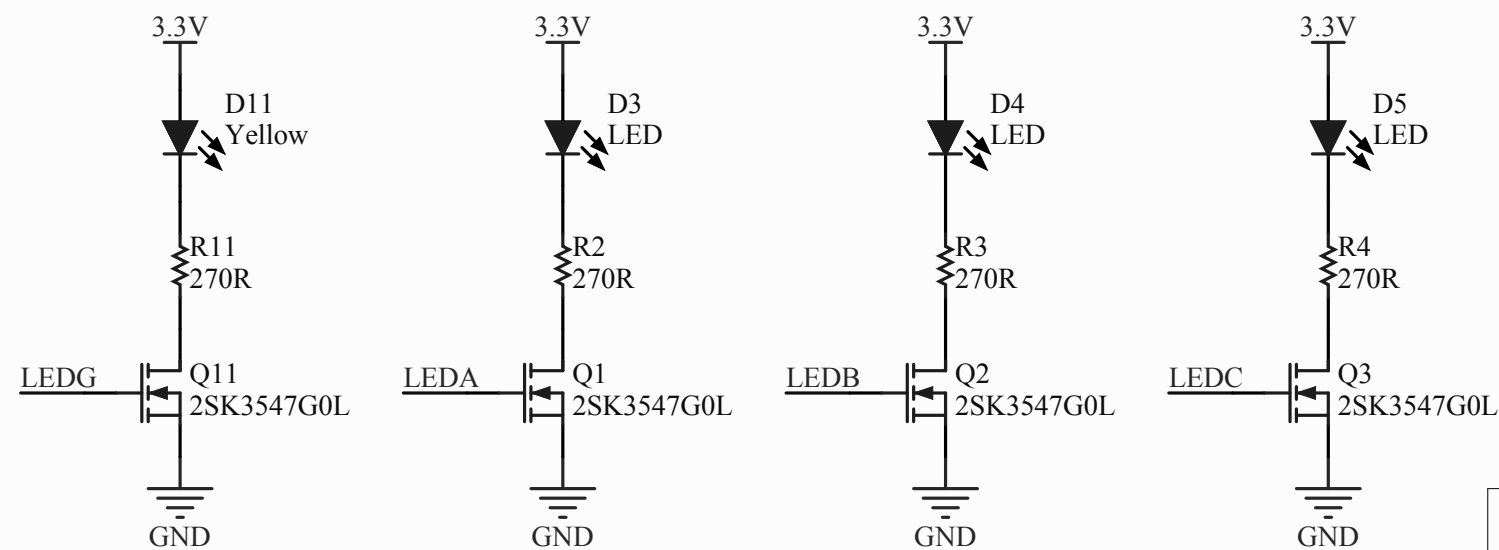


B

B

C

C



D

D

Title		
SBCP Master communication board dsPIC microcontroller		
Size	Number	Revision
A4	Biorobotics Laboratory École Polytechnique Fédéral de Lausanne	
Date:	18/03/2014	Sheet of
File:	Z:\oncilla-hardware\...\dsPIC.SchDoc	Drawn By: Rico Möckel

A

B

C

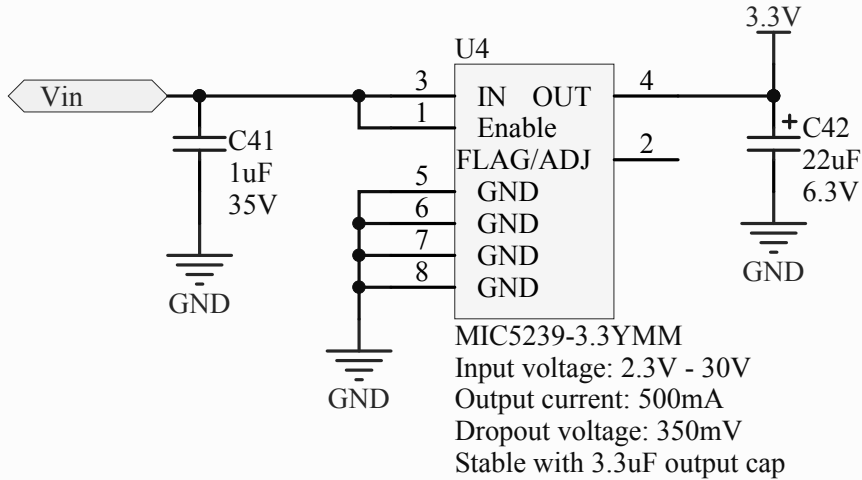
D

A

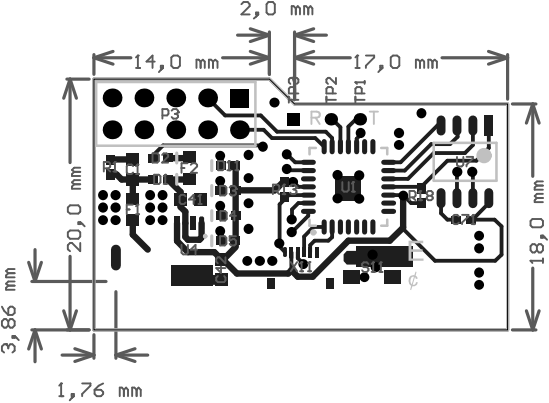
B

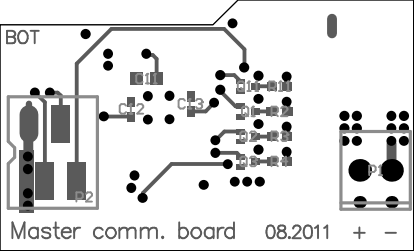
C

D



Title		
SBCP Master communication board 3.3V power supply		
Size	Number	Revision
A4	Biorobotics Laboratory École Polytechnique Fédéral de Lausanne	
Date:	18/03/2014	Sheet of
File:	Z:\oncilla-hardware\...\Power3.3V.SchDoc	Drawn By: Rico Möckel





Part List					Master communication board				
Source Data From:					sbcp-master.PrjPcb				
Project:					sbcp-master.PrjPcb				
Variant:					None				
Report Date: 18/03/2014					18:35:41				
Print Date: 18-Mar-14					6:35:48 PM				
Designator	Comment	LibRef	Footprint	Description					
C1, C41	1uF, 35V	Cap	CAPC1608N	Capacitor					
C11	10uF	Cap	CAPC1608N	Capacitor					
C12, C13, C71	100nF	Cap	CAPC1005N	Capacitor					
C42	22uF, 6.3V	Cap Pol2	1608-10	Polarized Capacitor					
D1, D2	SS0503EC-TR-H	D Schottky	RESC1005N	Schottky Diode					
D3, D4, D5, D11	LED Yellow	LED	RESC1005N	LED					
F1, F2	Ferrit 0.35R 500mA	Fuse 1	RESC1608N_R	Ferrit Bead					
P1	Bornier à vis	Header 2	CONN_100MIL_2	Header, 2-Pin					
P2	MM4-SMD	Header 4	MM4-SMD	Header, 4-Pin					
P3	Header 5X2	Header 5X2	HDR2X5	Header, 5-Pin, Dual row					
Q1, Q2, Q3, Q11	2SK3547G0L	nFET	SSS-Mini-3P	N-Channel MOSFET 100mA, 50V, 12R					
R1	100K	Res1	RESC1005N	Resistor					
R2, R3, R4, R11	270R	Res1	RESC1005N	Resistor					
R13, R18	10K	Res1	RESC1005N	Resistor					
S11	EVPAА	Push button	EVPAА	Push button					
TP1, TP2, TP3	TP	TP	TPLOGI	Test Point					
U1	dsPIC33FJ128MC802-I/MM	dsPIC33FJ128MC802-I/MM	QFNS-MM28_M_SmallExp	High-Performance 16-bit Digital Signal Controller, 128 KB Flash, 16 KB RAM, 28-P QFN, Industrial Temperature					
U4	MIC5239-3.3YMM	MIC5239	MSOP-8	LDO, 500mA, Vin:2.3V-30V					
U7	ADM3078E	ADM3078E	SOIC-8_M	Half-Duplex RS485 Transciever, 3.3V, 16Mb					
X11	FH19C-6S-0.5SH	FH19C-6	FH19C-6S-0.5SH	Board to flexible PCB/wire connector					