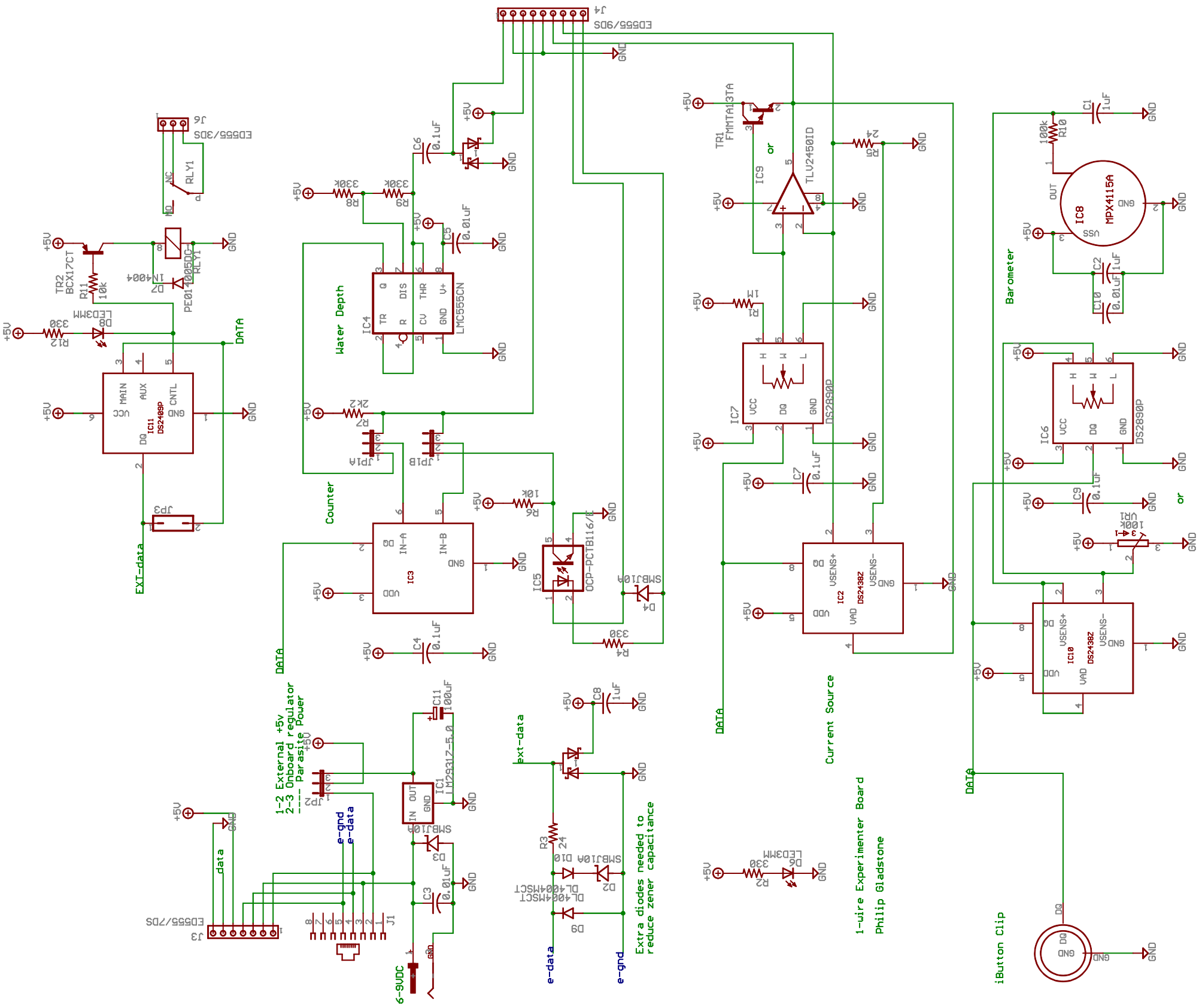
EDG555/3DS
J6
RLY1
NC
NO
+5V
GND
TR2
BCX17CT
R11
10k
1N4004
D7
PE014005DC-RLY1
R12
330
LED3MM
D8
DATA
EXT-data
JP3
MAIN
AUX
CNTL
VCC
DQ
IC11
DS2409P
EDG555/9DS
J4
C6
0.1uF
R8
330K
R9
330K
C5
0.01uF
Water Depth
IC4
LMC555CN
TR
Q
R
DIS
THR
CV
V+
R7
2K2
JP1A
JP1B
Counter
R6
10K
IC3
IN-A
IN-B
VDD
IC5
OCP-PCTB116/4
SMBJ10A
D4
R4
330
C4
0.1uF
TR1
FMMTA13TA
IC9
TLV2450ID
R5
24
IC7
DS2890P
C7
0.1uF
IC2
DS2438Z
VSENS+
VSENS-
VAD
Current Source
C1
1uF
100k
R10
IC8
MPX4115A
VSS
OUT
C2
0.01uF
Barometer
IC6
C9
0.1uF
R1
100K
IC10
1-2 External +5v
2-3 Onboard regulator
--- Parasite Power
JP2
IC1
LM2937-5.0
C11
100uF
SMBJ10A
D3
C3
0.01uF
J3
EDG555/7DS
J1
6-9VDC
e-gnd
e-data
data
ext-data
C8
1uF
R3
24
SMBJ10A
D10
DL4004MSCT
D2
D9
Extra diodes needed to reduce zener capacitance
R2
330
D6
LED3MM
1-wire Experimenter Board
Philip Gladstone
iButton Clip
DQ
GND