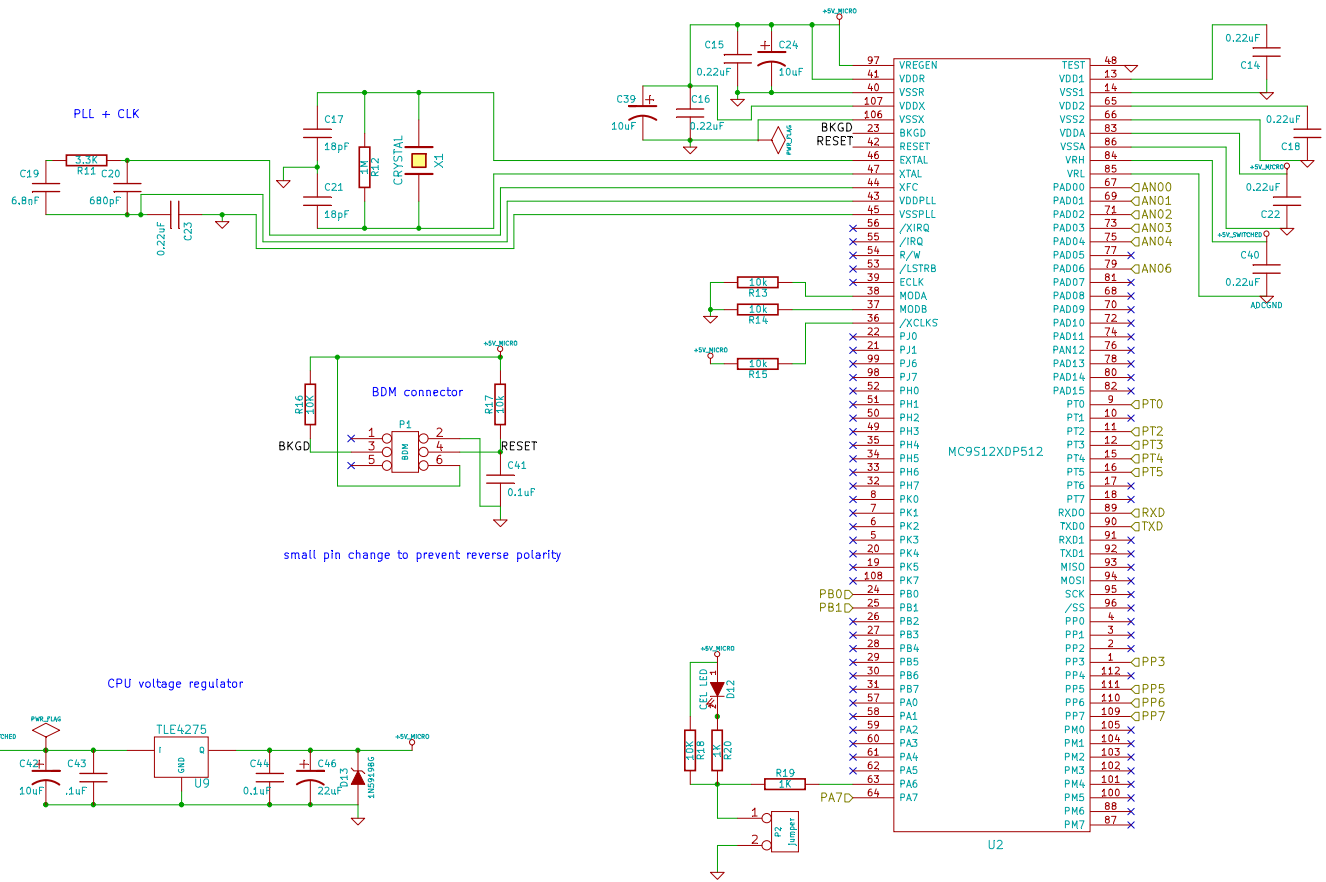


for PSA TU5JP/K engine		
diyefl.org		
File: mainboard.sch		
Sheet: /		
Title: CatSquirt main board(code migrant worker)		
Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 1/10



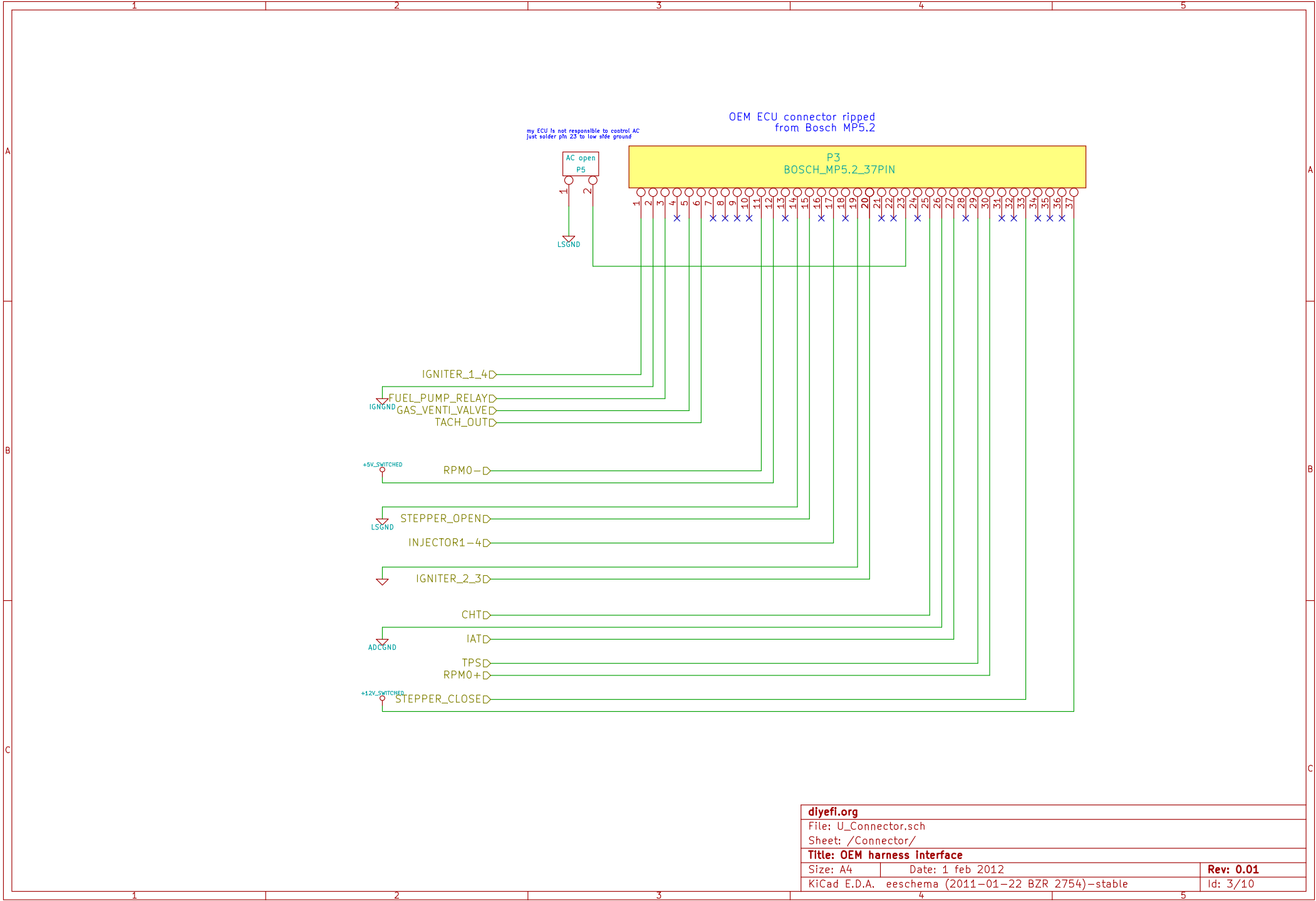
small pin change to prevent reverse polarity

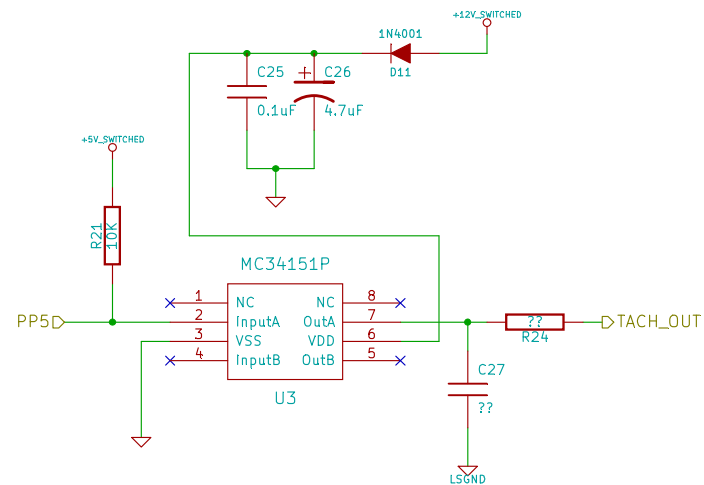
CPU voltage regulator

Switched power regulator

BootLoader activate

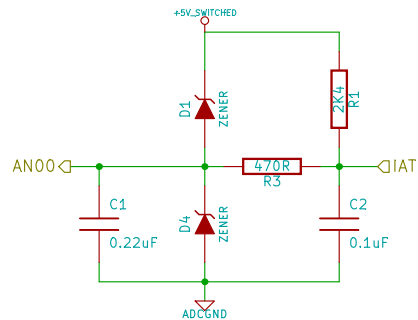
Power symbols usage
+12V_SWITCHED come from Igniton switch
+5V_MICRO come from CPU voltage reg
+5V_SWITCHED come from secondary voltage reg
LSGND low side ground
ADCGND sensor ground
IGNND Ignition ground



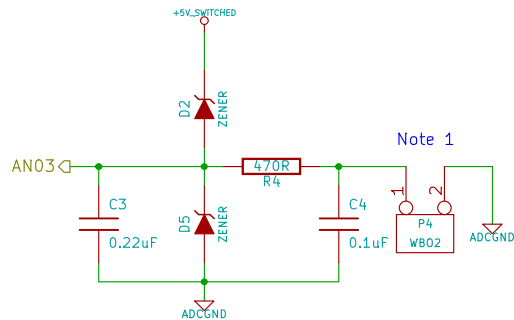


Tachometer PWM output

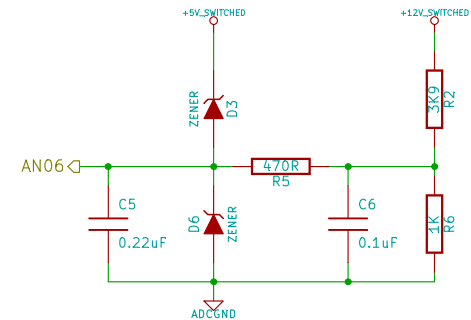
diyefi.org		
File: U_Dashboard Analogue Outputs.sch		
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Title: Analogue output		
Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 4/10



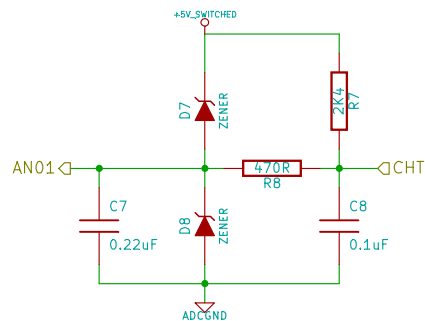
Intake Air Temperature



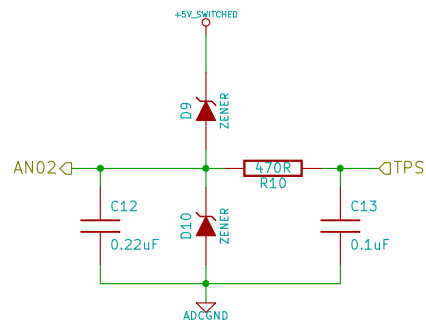
Wide band oxygen sensor



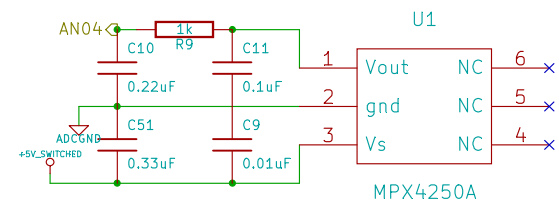
Battery Reference Voltage



Coolant/Head Temperature



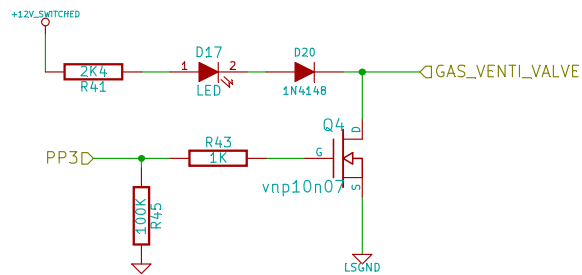
Throttle Position Sensor



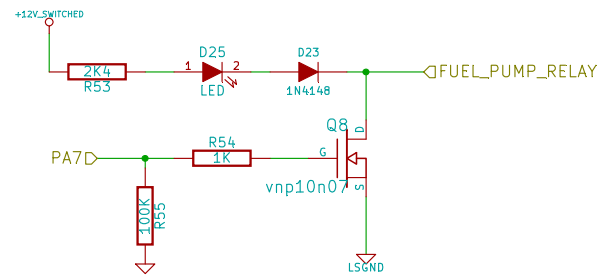
Manifold Absolute Pressure

Note 1: The wideband O2 output should not share the stock harness, it should be screwed on board

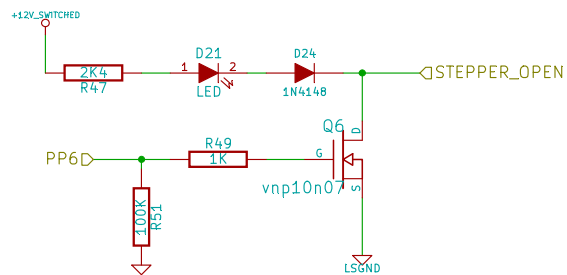
diyefl.org		
File: Core Analogue Inputs.sch		
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Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 5/10



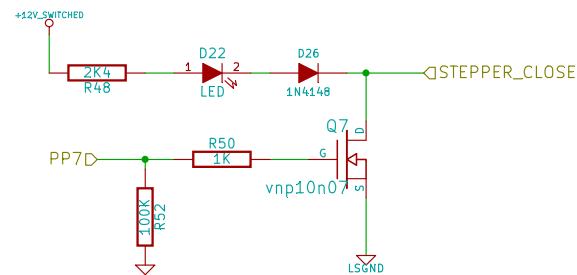
gas tank ventilation valve



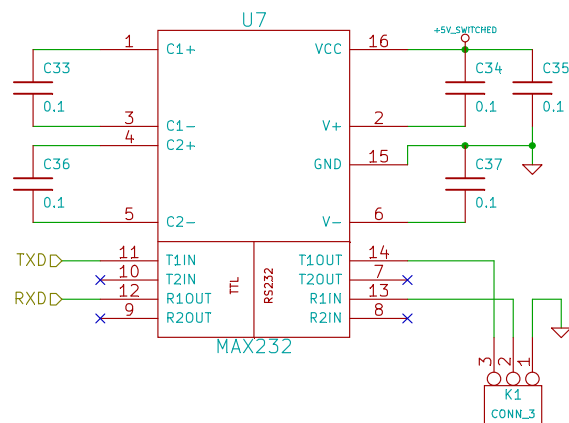
Fuel Pump Relay Driver



idle stepper open

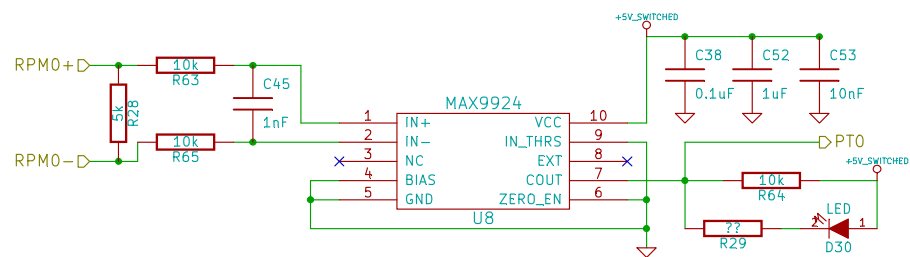


idle stepper close

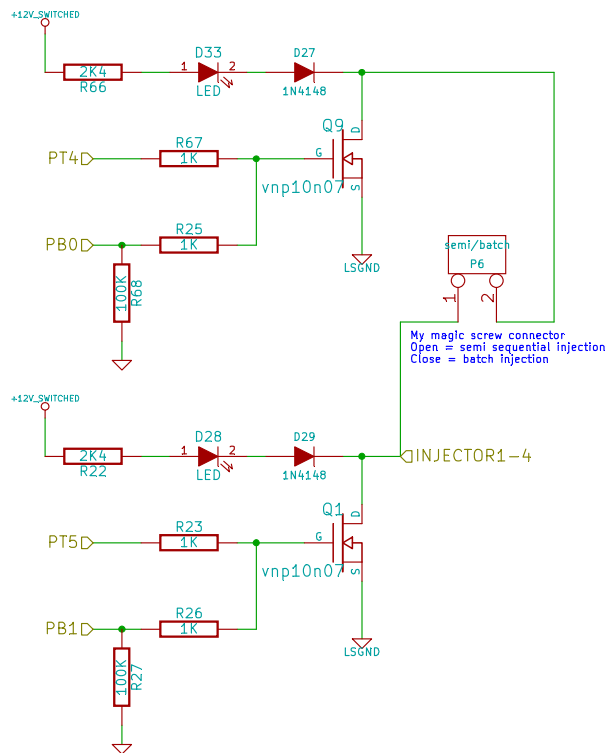


Serial port communication

diyefl.org		
File: RS232 Comms.sch		
Sheet: /U_RS232 Comms/		
Title: RS232		
Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 8/10



diyefi.org		
File: VR Interfaces.sch		
Sheet: /U_VR Interfaces/		
Title: VR Interface		
Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 9/10



diyefi.org		
File: Injectors.sch		
Sheet: /U_Injectors/		
Title: batch injection		
Size: A4	Date: 1 feb 2012	Rev: 0.01
KiCad E.D.A. eeschema (2011-01-22 BZR 2754)-stable		Id: 10/10