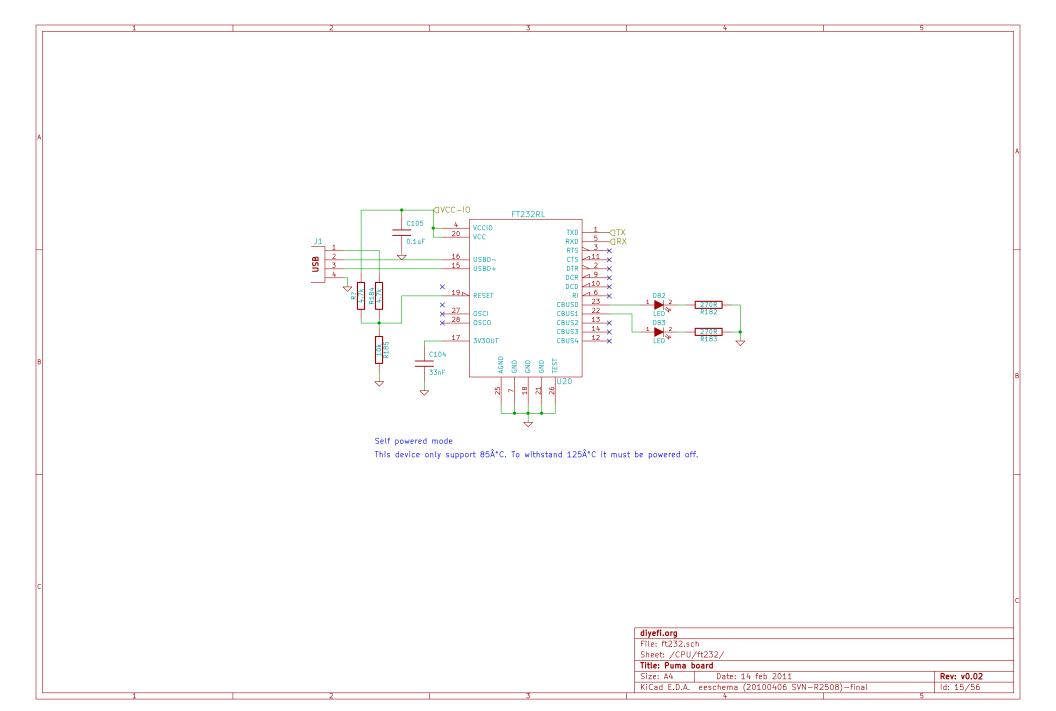
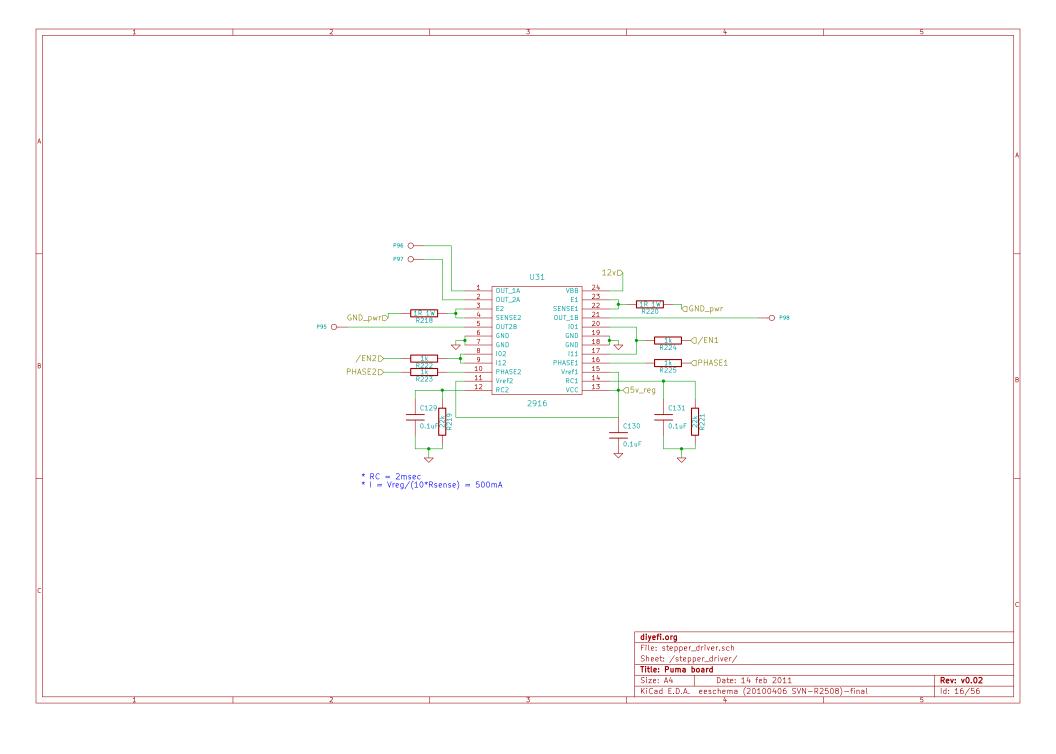
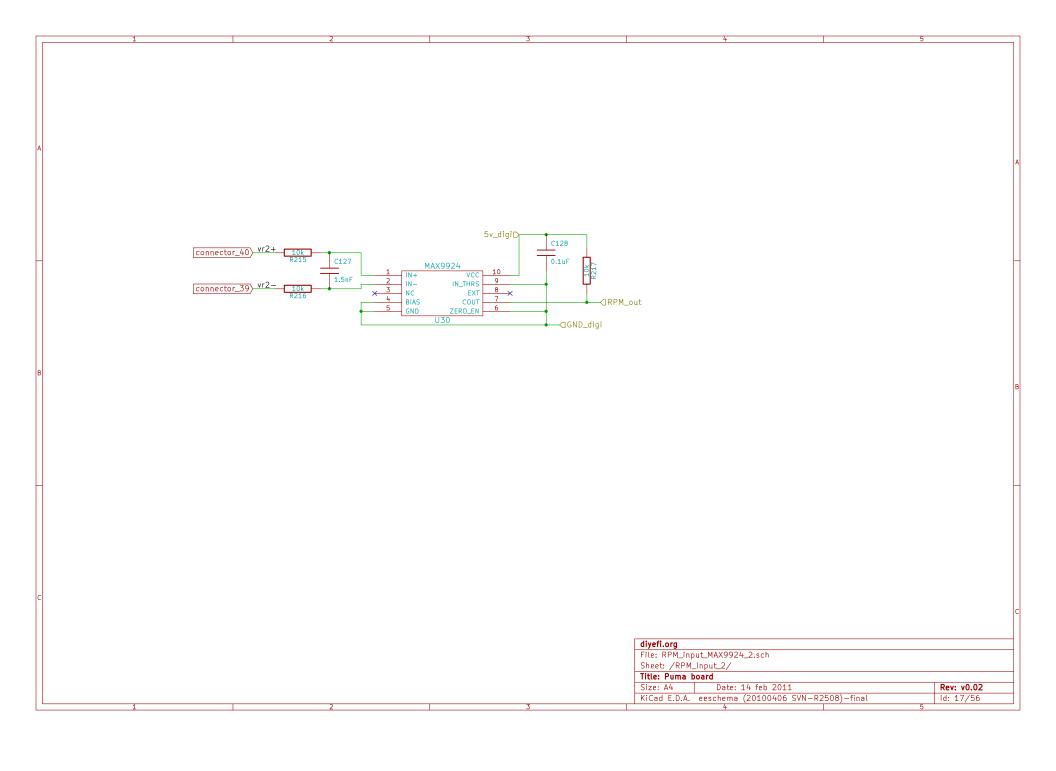
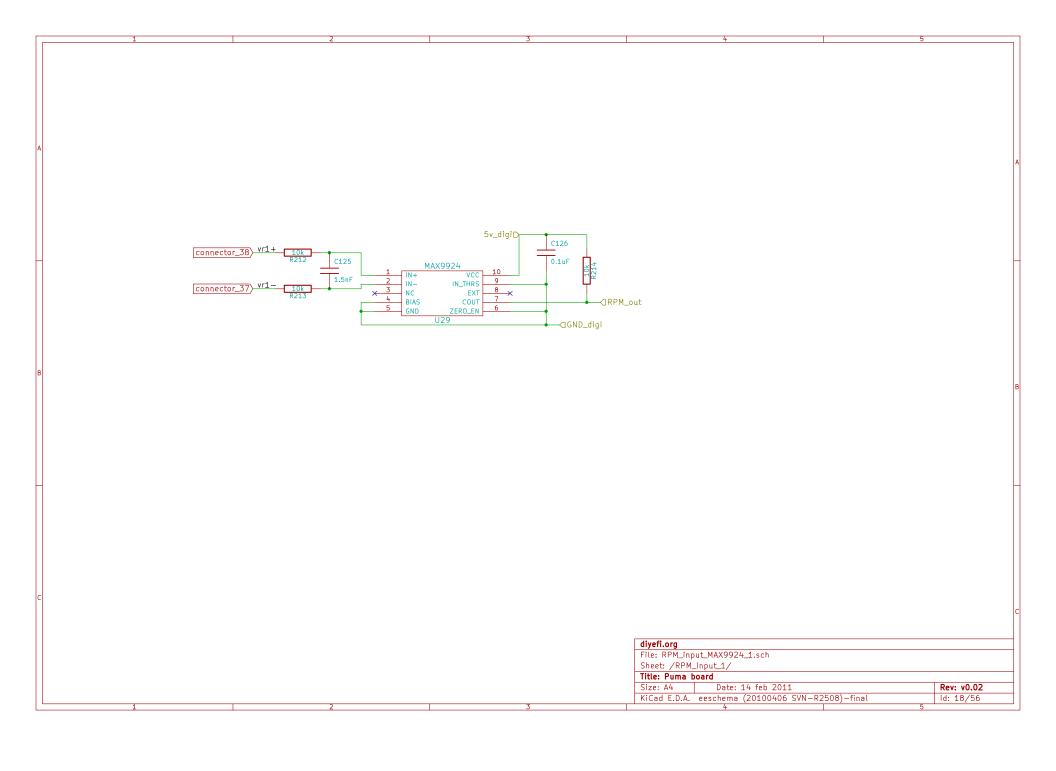


diyefi.org		
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Title: Puma t	oard	
Size: A3	Date: 14 feb 2011	Rev: v0.02
KICad E.D.A.	eeschema (20100406 SVN-R2508)-final	ld: 14/56



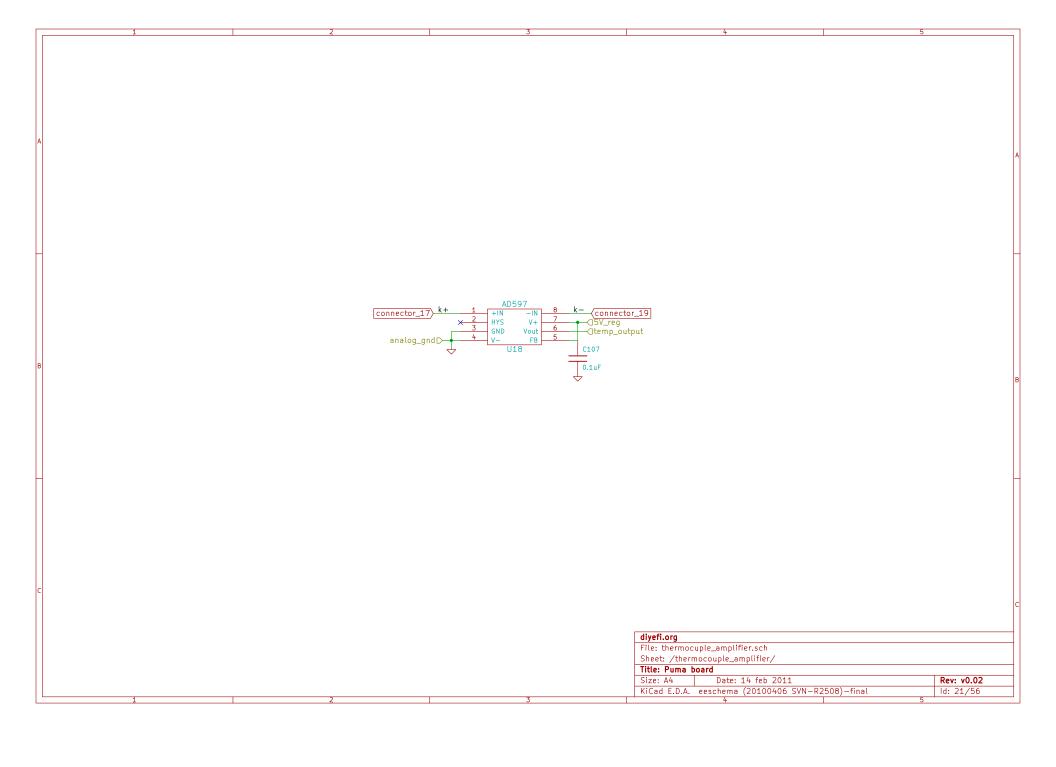


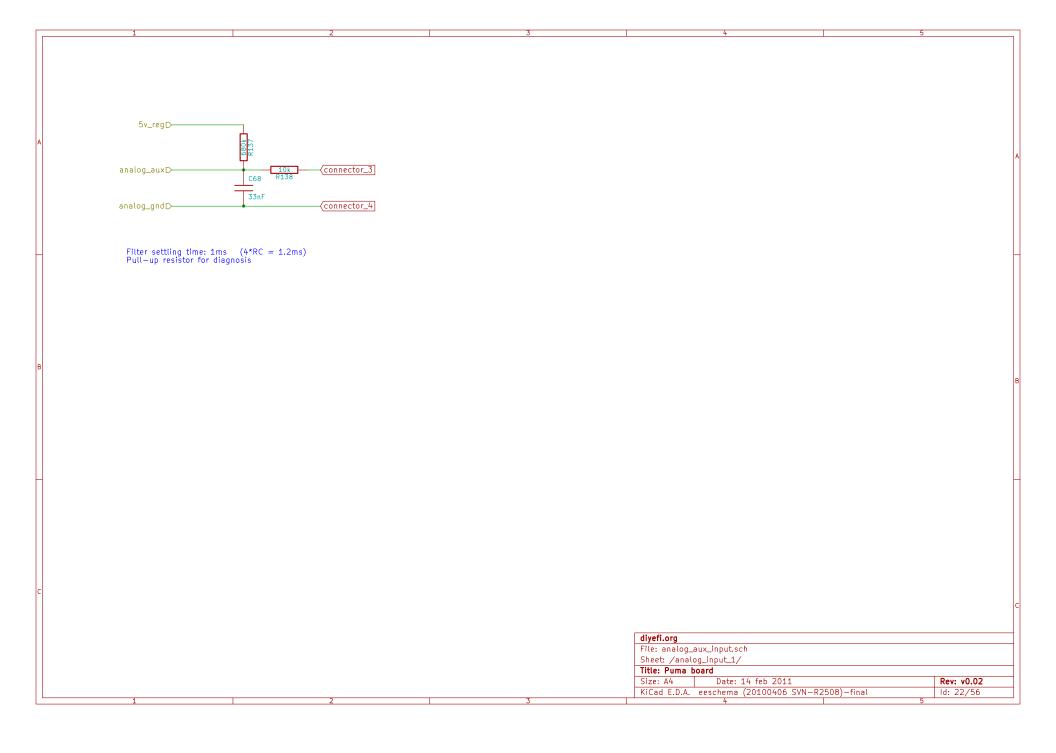


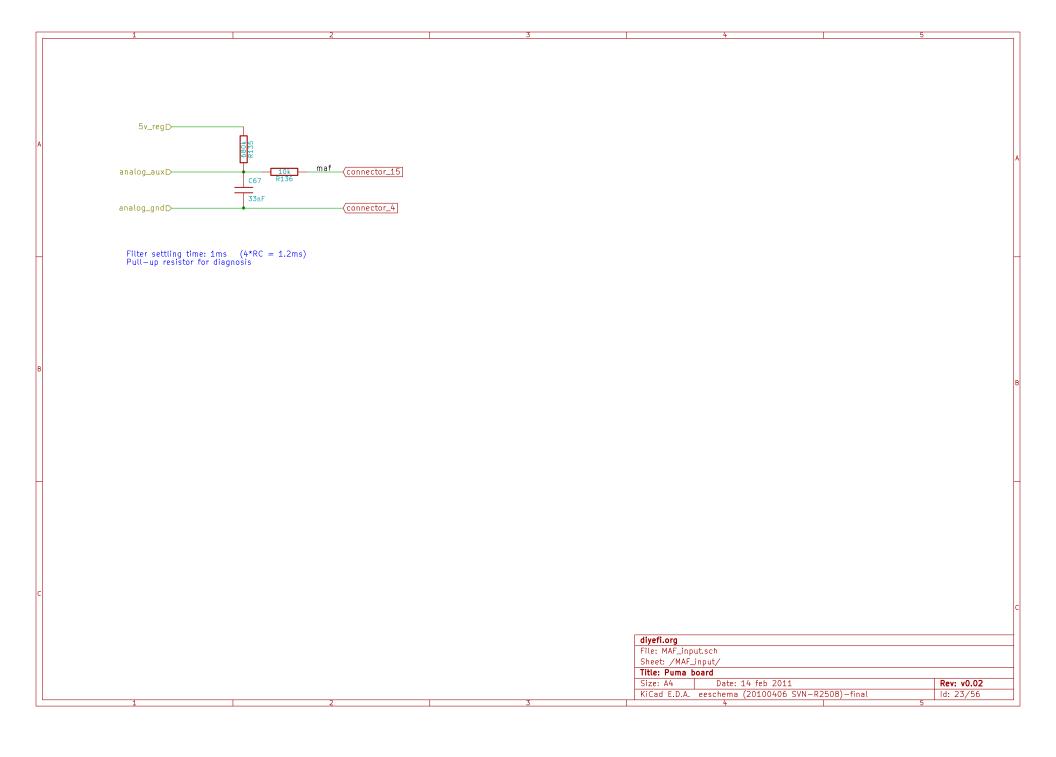


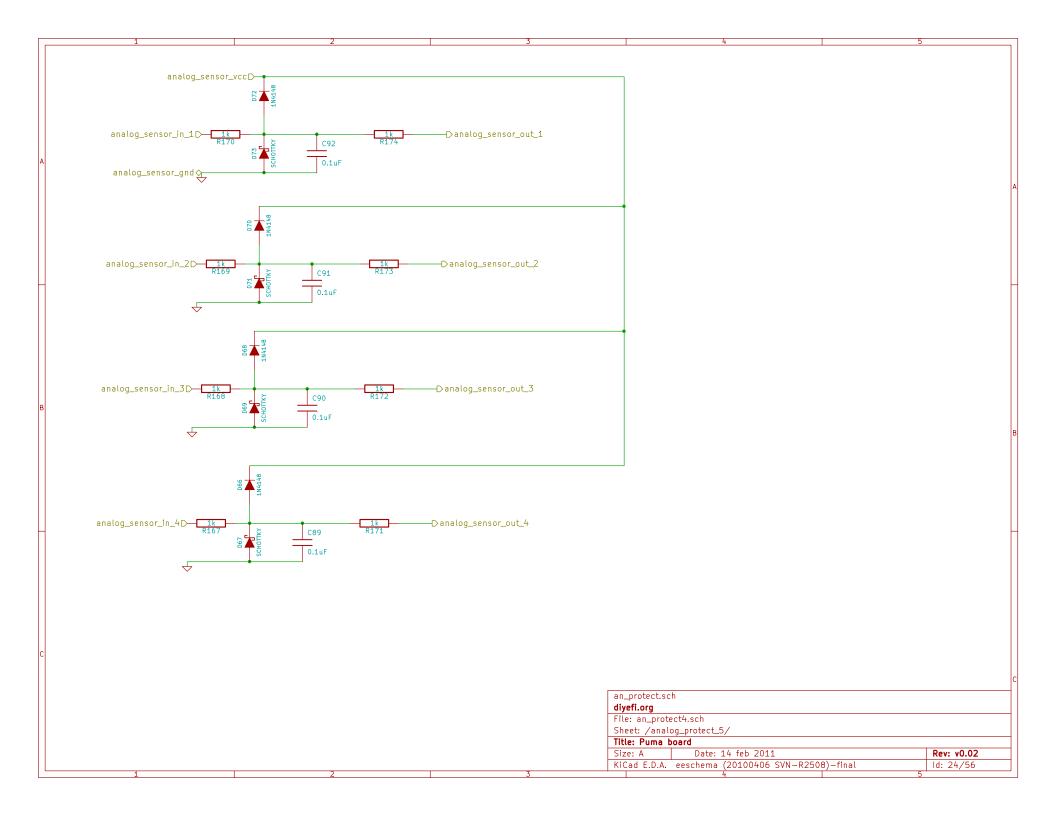
PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U28 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_8/ Title: Puma board Size: A4 Date: 14 feb 2011 Rev: v0.02 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 19/56

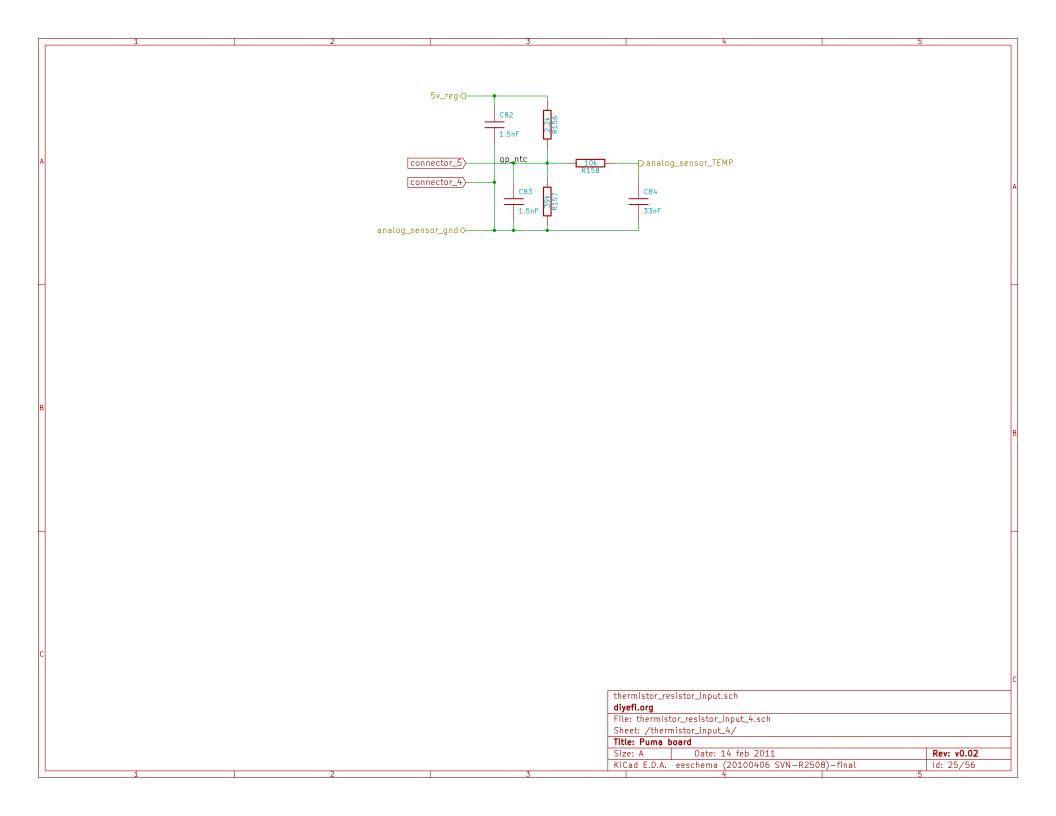
PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U27 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_7/ Title: Puma board Rev: v0.02 Size: A4 Date: 14 feb 2011 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 20/56

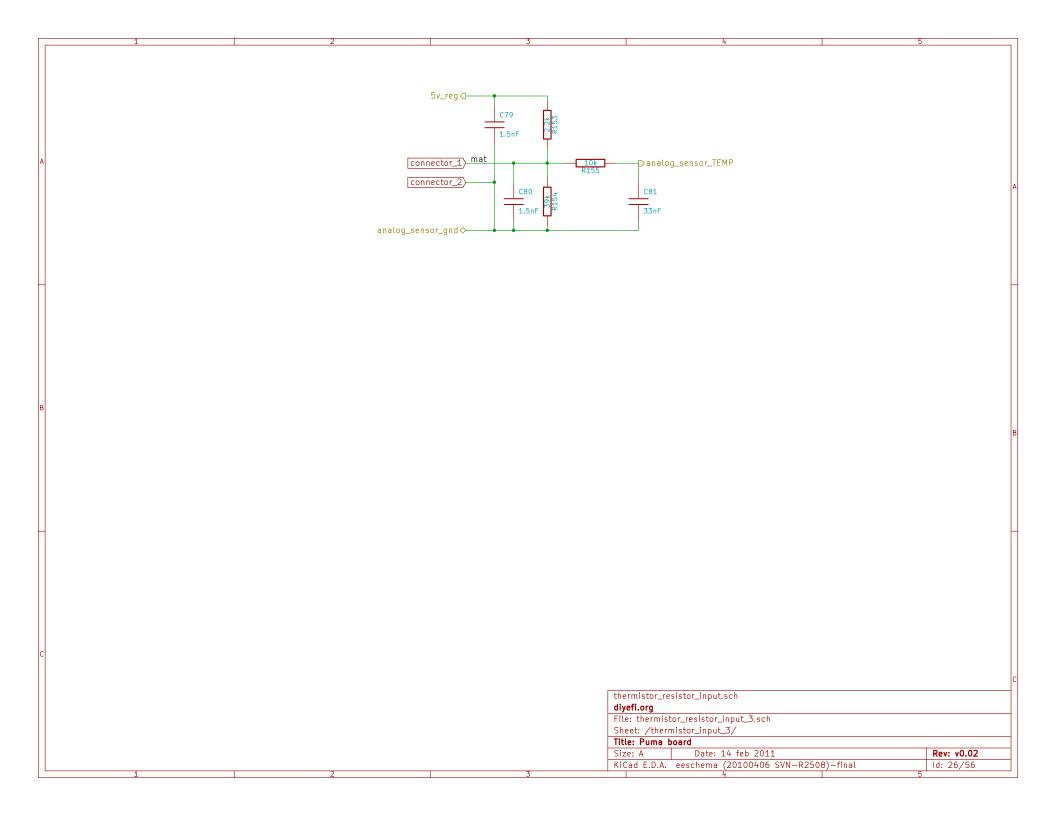












PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U26 D110 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_1/ Title: Puma board Size: A4 Date: 14 feb 2011 Rev: v0.02 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 27/56

PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U25 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_2/ Title: Puma board Rev: v0.02 Size: A4 Date: 14 feb 2011 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 28/56

PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U24 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_3/ Title: Puma board Size: A4 Date: 14 feb 2011 Rev: v0.02 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 29/56

PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U23 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_4/ Title: Puma board Rev: v0.02 Size: A4 Date: 14 feb 2011 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 30/56

PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U22 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_5/ Title: Puma board Size: A4 Date: 14 feb 2011 Rev: v0.02 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 31/56

PEAK & HOLD INJECTOR DRIVER inductive_power_drive >injector_outputD INJECTOR OUTPUT U21 TIMER SUPPLY OUT COMP SUPPLY_GND SENSE_IN SENSE_GND LM1949 inductive_power_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector_drive.sch diyefi.org File: injector_drive.sch Sheet: /injector_drive_6/ Title: Puma board Size: A4 Date: 14 feb 2011 Rev: v0.02 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 32/56

