

## BCM OEM CONNECTORS

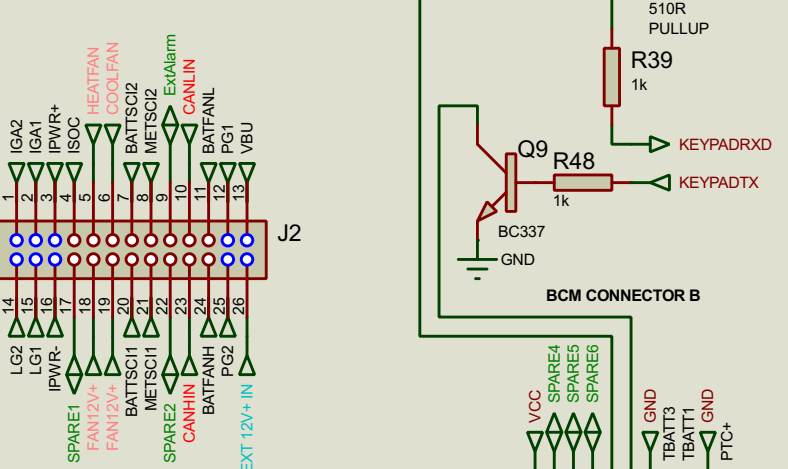
Connector view and labelling as Insight Service manual, wire side of female connector.

BLACK TEXT = OEM

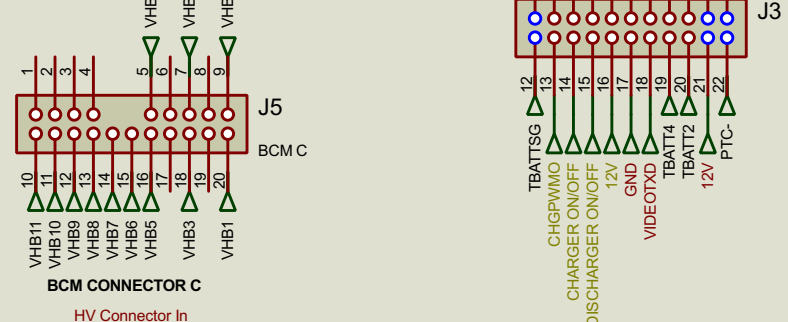
COLOURED TEXT = NEW PINS

Blue connector pins are higher current

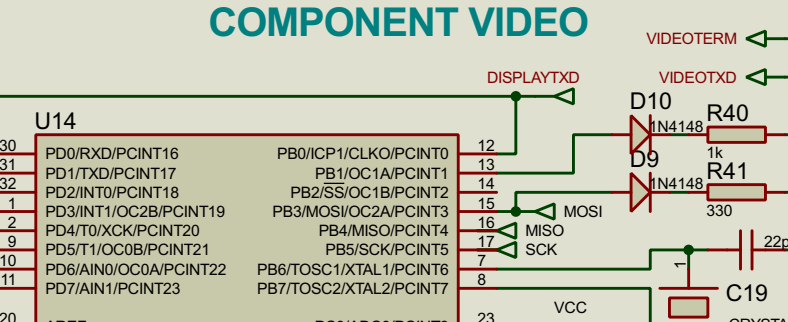
BCM CONNECTOR A



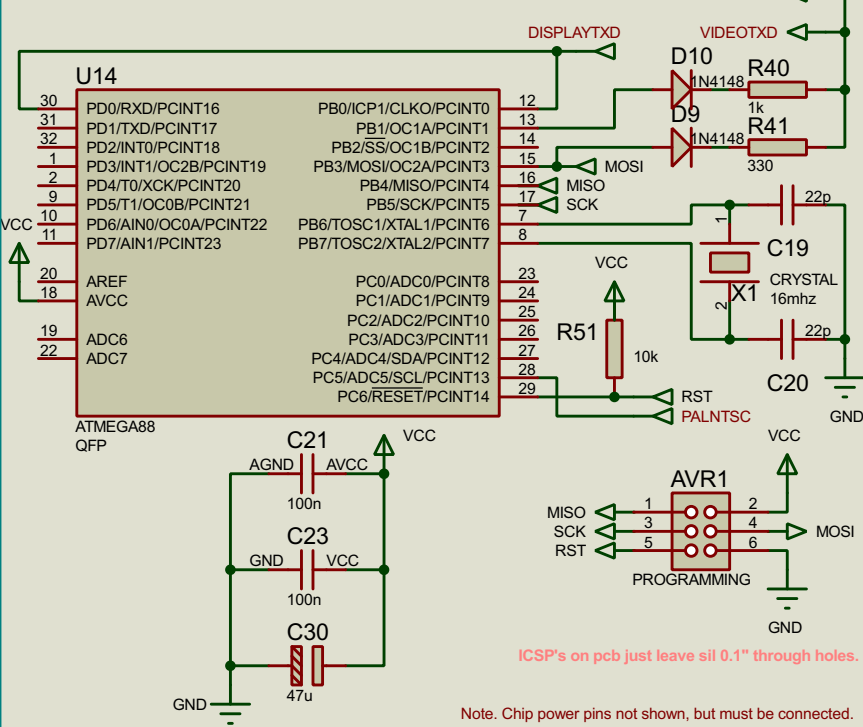
BCM CONNECTOR B



BCM CONNECTOR C



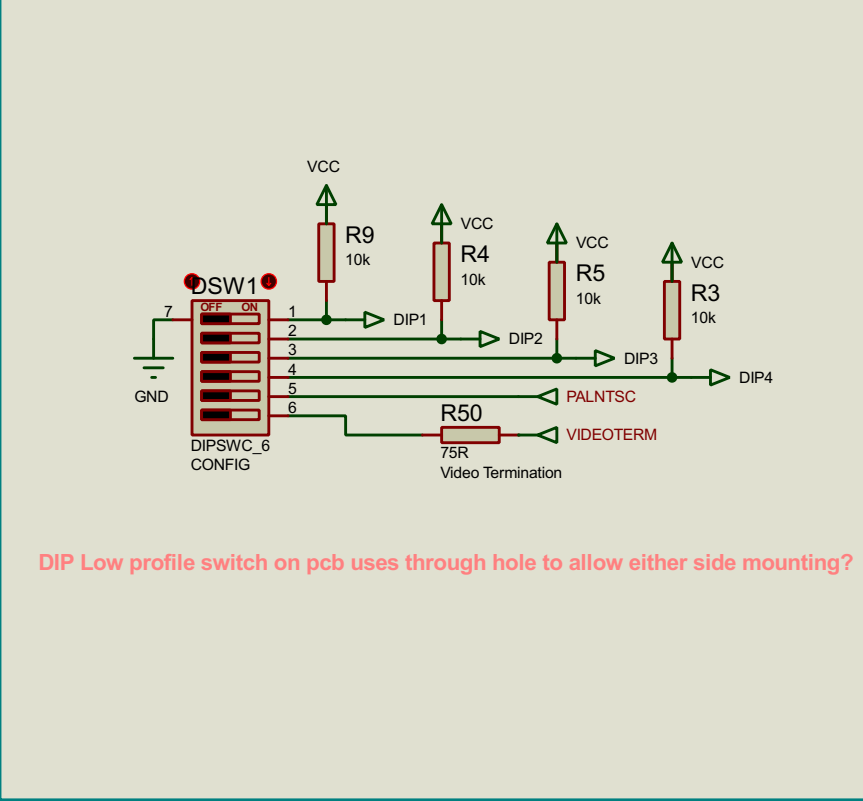
## COMPONENT VIDEO



ICSP's on pcb just leave sil 0.1" through holes.

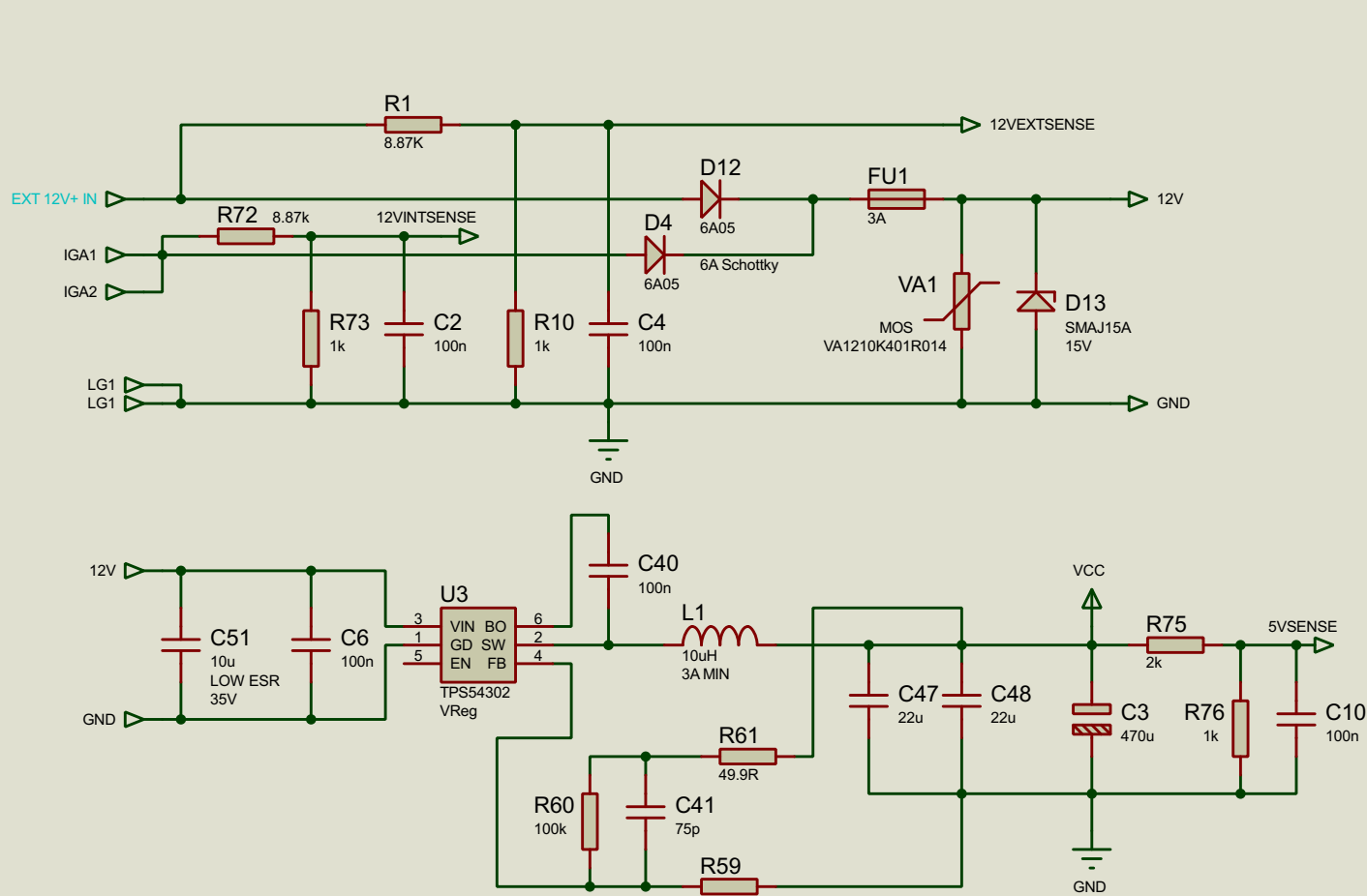
Note. Chip power pins not shown, but must be connected.

## DIPSWITCH x 6

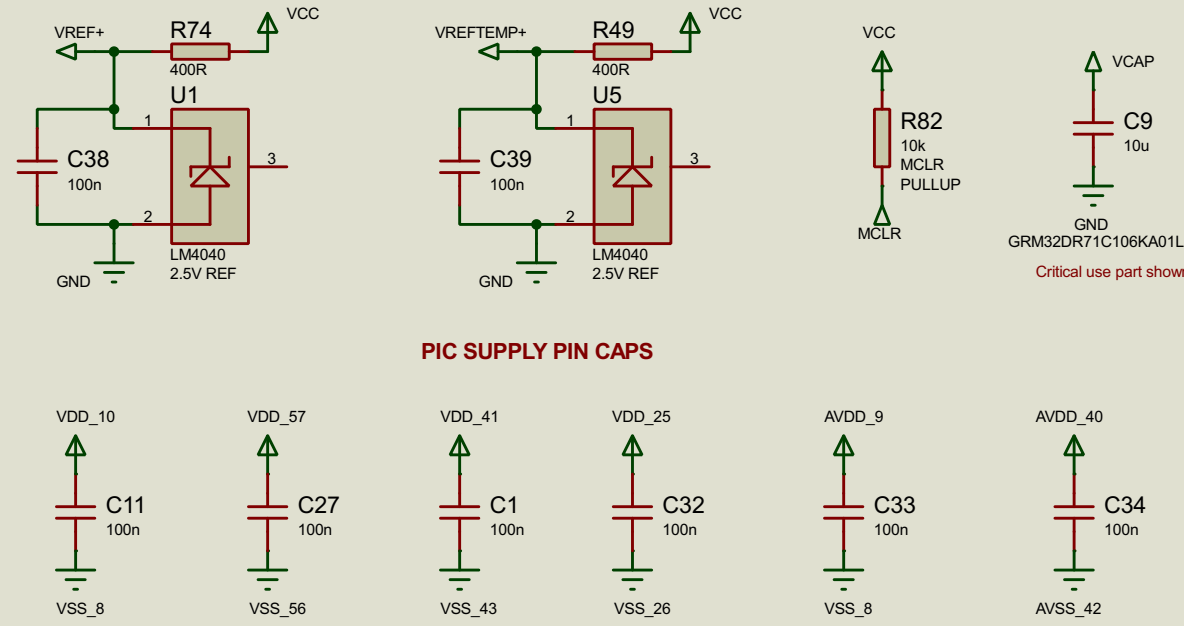


DIP Low profile switch on pcb uses through hole to allow either side mounting?

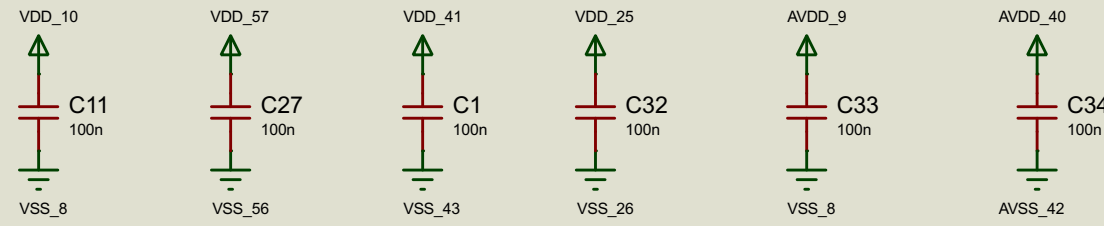
## 12V IGNITION SWITCHED & GRID 12V POWER INPUT



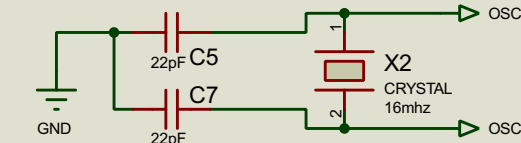
## PIC DECOUPLING CAPACITORS & VREF & MCLR



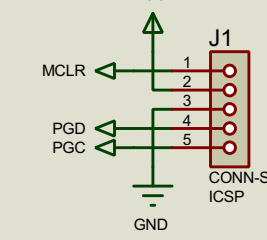
## PIC SUPPLY PIN CAPS



## PIC OSCILLATOR

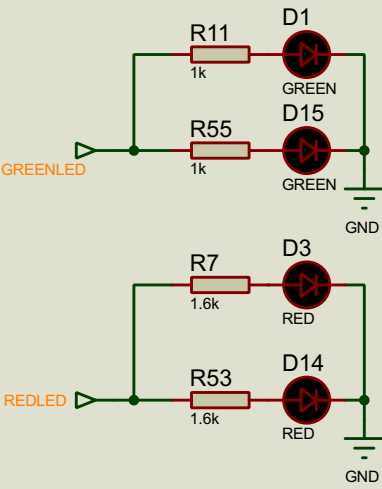


## ICSP



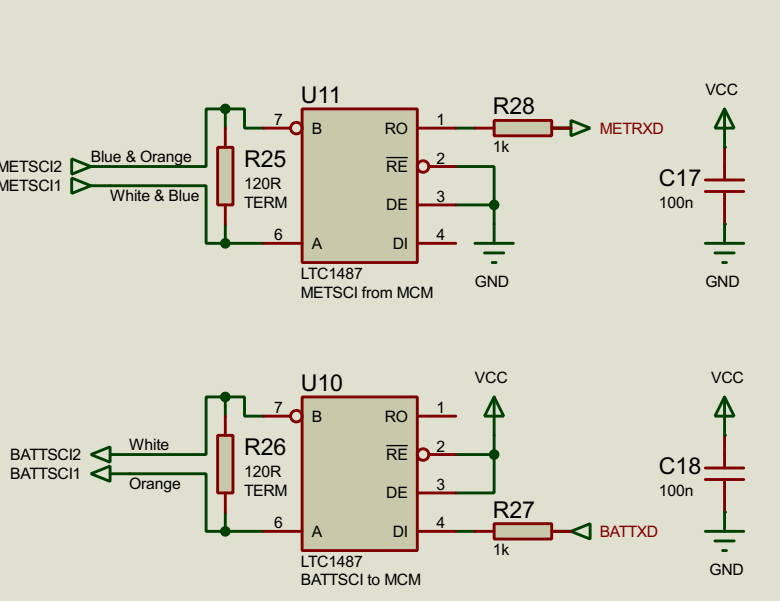
ICSP's on pcb just leave sil 0.1" through holes.

## OPTO



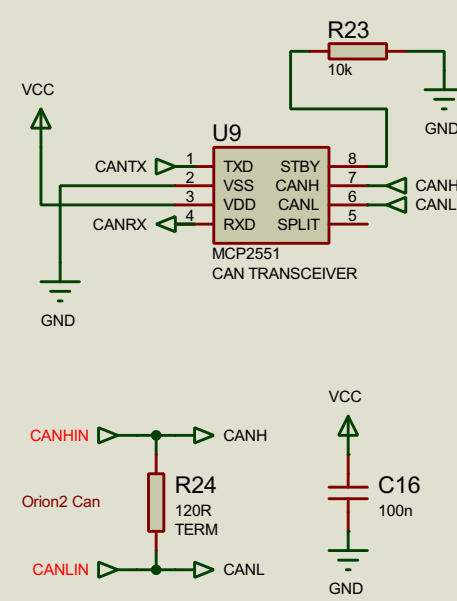
High efficiency 2ma drive leds

## RS485 BUS

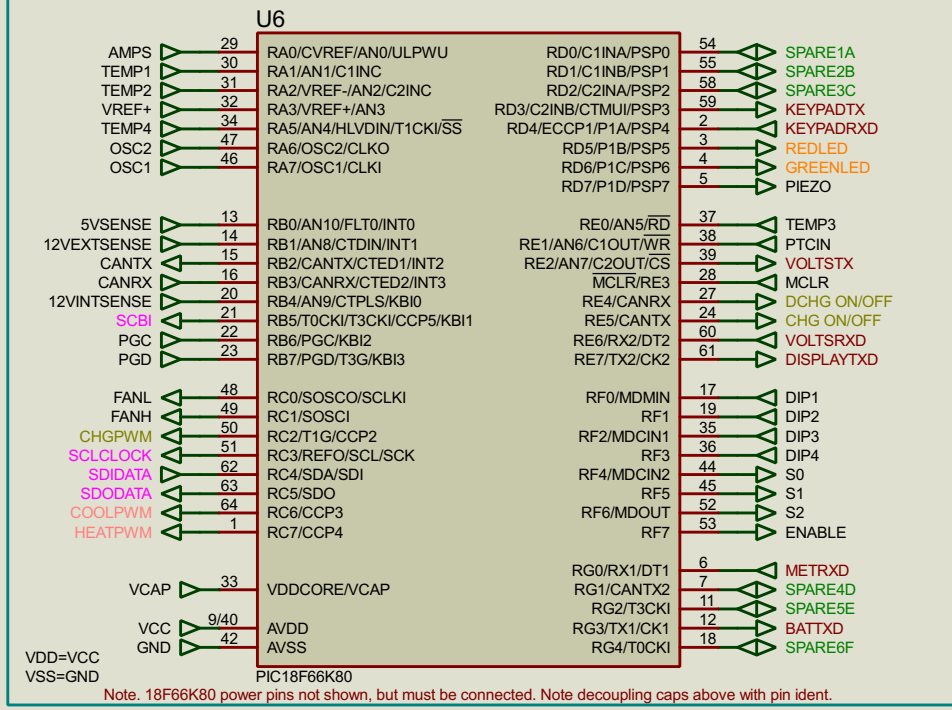


Note. Chip power pins 5 & 8 not shown, but must be connected.

## CANBUS

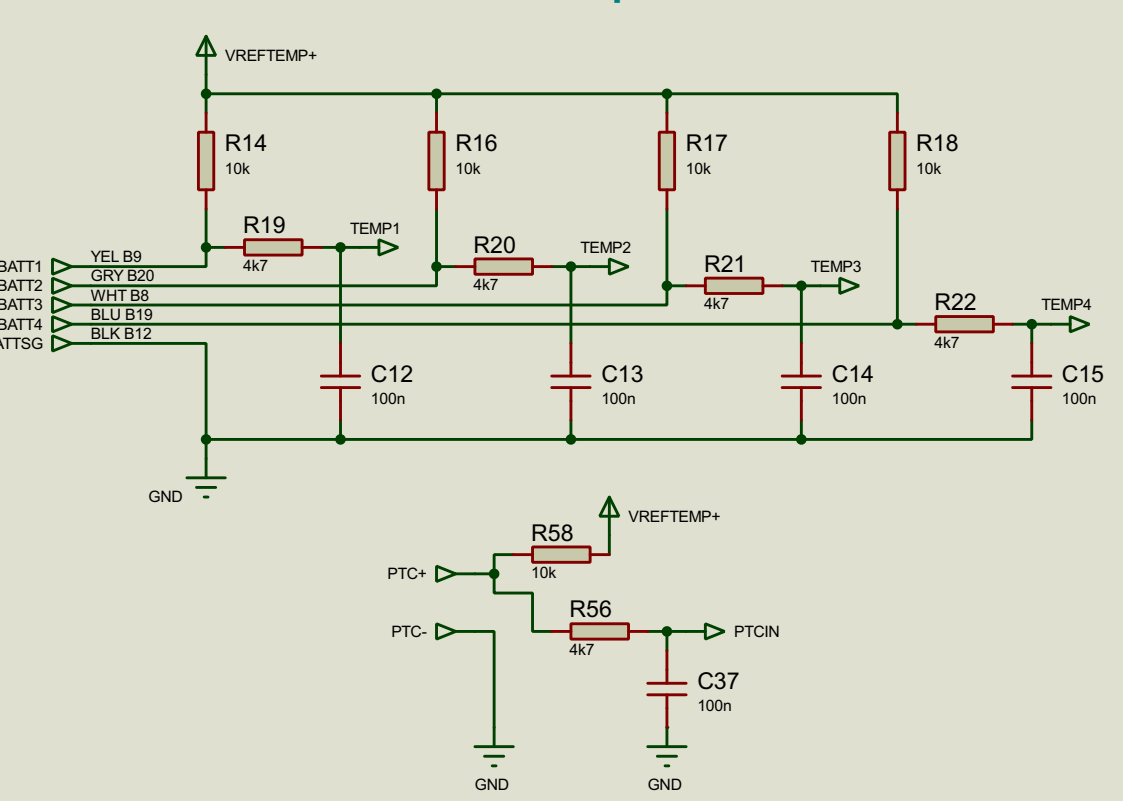


## 18F66K80 x 32 or 64MHZ



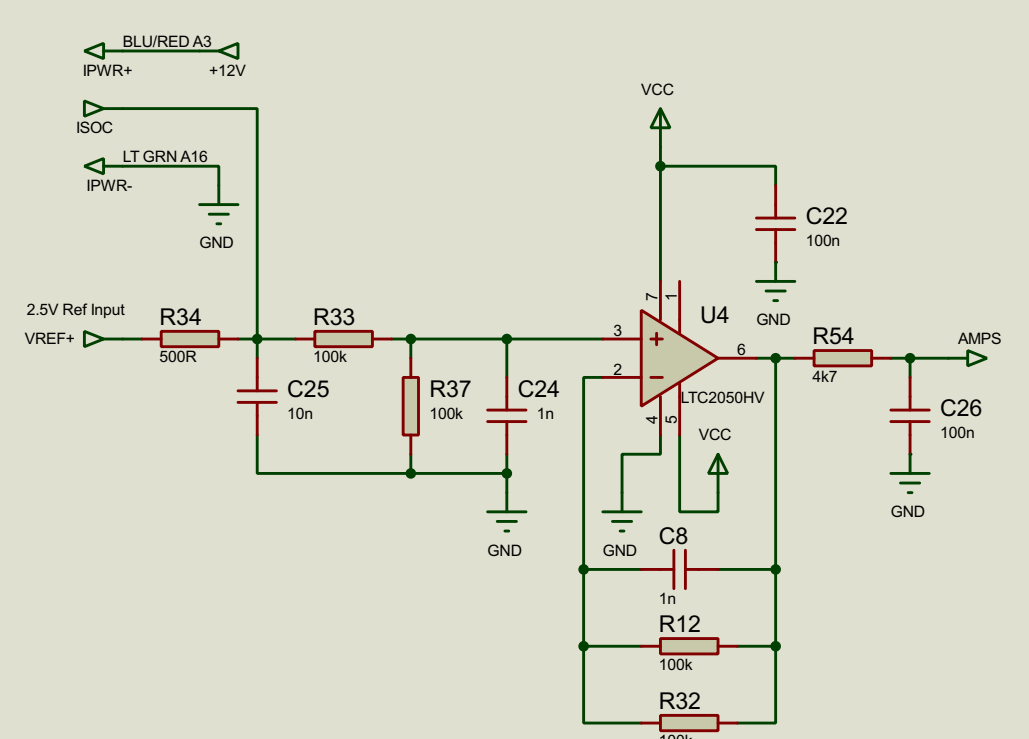
Note. 18F66K80 power pins not shown, but must be connected. Note decoupling caps above with pin ident.

## 10k NTC OEM & PTC Temperature Sensors

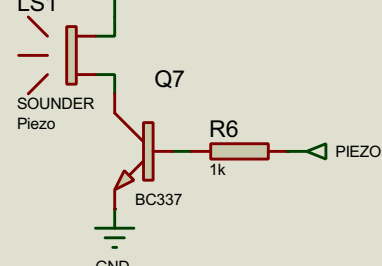


## OEM BCM Sensor Amps In

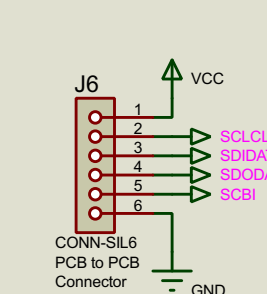
-200A - 0 - +200A = 0-2.5V Out



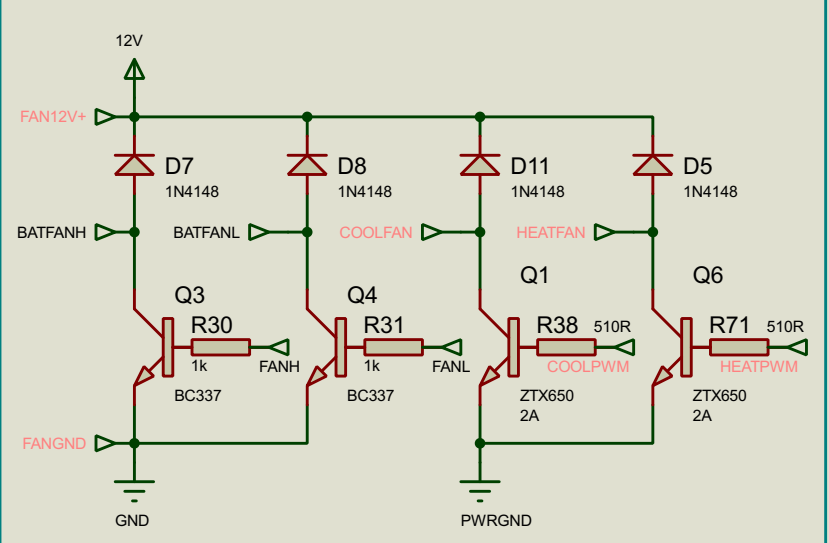
## ALARM



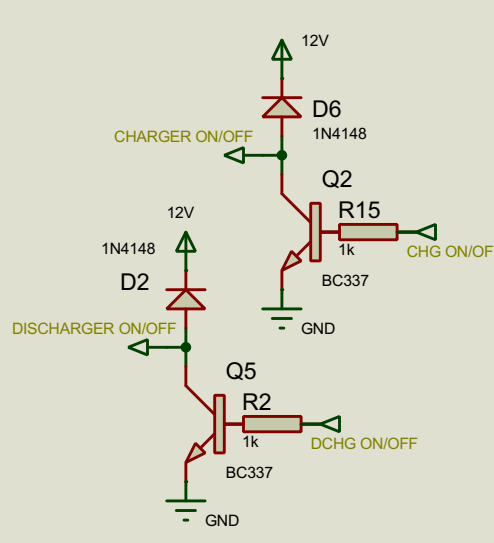
## PCB INTERFACE



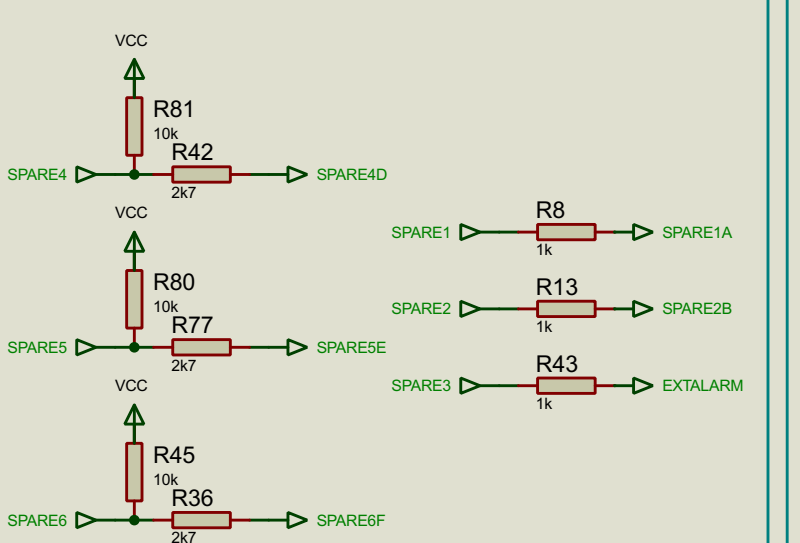
## OEM FAN & PWM CONTROL



## CHG/DISCHG CONTROL



## SPARE BIDIRECTIONAL 5V TTL I/O



## DUAL MULTIPLEXER (x8)

