



DC electric: connect battery plus to + and battery minus to -
 AC electric: connect chassis to + and power supply cable to -
 In an AC system the negative half wave is usually limited by the regulator. Make sure this is true for your motorbike.
 Note that in case of an AC system with the described connection the circuit ground is *not* chassis ground.

Pads in +5V and +3,3V are for debugging only. Short for normal operation.

C.AC is needed only for AC systems. Use a relative large capacitor (depends on your motor-bike) with at least 40V. Due to its size it will be mounted off PCB.

Remember that in most 12V-systems the voltage can be much higher than 12V.
 Lower values for R and C allow for a higher input frequency but this causes also a smaller voltage range and a higher sensitivity to ESD/EMI.

Short Pads and connect to PC with I.I. cable or plug detached SUBD connectors directly into PC.

The interface is not fully RS232 compliant. It may not work with some PCs.

LEDs with two colors are possible

general purpose solder points for extensions

absolute maximum: -0,3V recommended: 0V...14V no protection against negative overvoltage

SIXO

multi-function instrument panel for motorbike cockpits
 Arnold Neugebauer
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