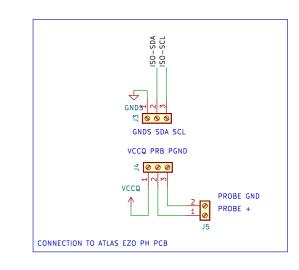
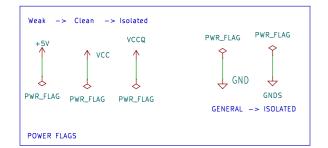


VCC





NOTE: +5V is the WEAK SUPPLY (POST-NANO, PRE-REGULATOR) VCC is the CLEAN SUPPLY (POST-RFM-0505S) VCCQ is the ISOLATED SUPPLY GND is the UNISOLATED GROUND FOR GENERAL USAGE GNDS is the ISOLATED GROUND ("S" for SIGNAL) (PRE-EZO-PH)

Note: The DC/DC converter provides: electrical isolation, galvanic isolation, noise reduction, ground loop protection and power regulation.

Note: The voltage regulator circuit transforms the 4.5V +/- 0.5V of the Arduino output to a 5V+/- 0.1% to feed the DC-DC converter.

Note: The original Atlas design (public domain) has a OFF pin. This was not kept in the design since there no 5th pin available in the CAT cable and power is cut by multiplexer when needed.

Note: For availability and cost reduction, the SI8600 (\$8US) from the original design (Atlas) has been substituted with ISO1540 (\$1US) by Texas Instruments (recommended).

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