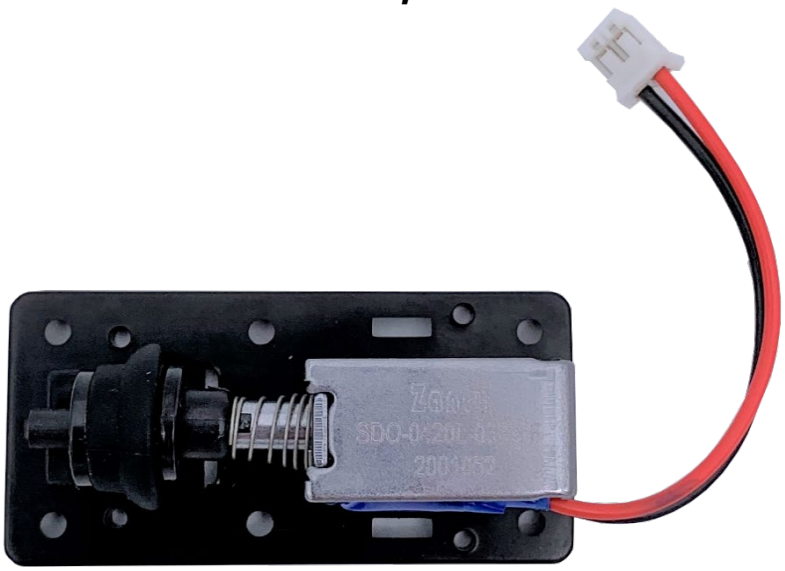
DART SENSORS

SAMPLING PUMP, 0.25-0.3ml



PUMP CHARACTERISTICS

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-20		+85	ºC
Operating Humidity	5		95	%RH
Input Voltage	3		24.23	V
MOSFET Switch Voltage	2.4			V
Response Time		<35		ms
Power Rating (coil)		1.06		W
Lifetime		80,000		cycles
Fully compatible with all T3A, T4A, T5, and T6 electrolytes.				

ORDERING INFORMATION

Part Number	Description
3-P025	Sampling Pump, 0.25-0.3ml
3-P025KIT	Sampling Pump, 0.25-0.3ml, Parts Kit

ELM HOUSE, 54 MARY ARCHES STREET, EXETER, EX4 3BA
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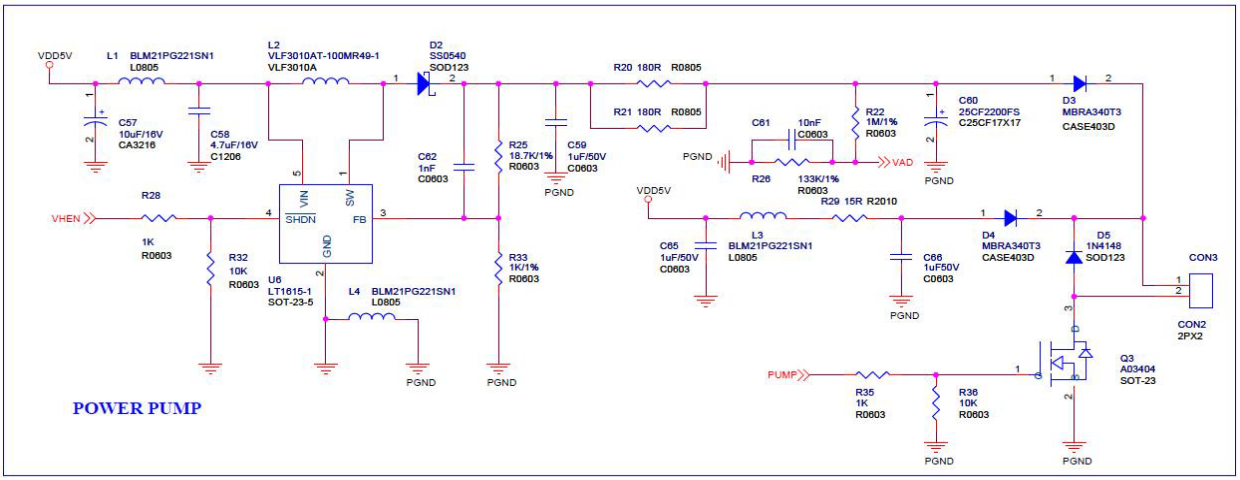
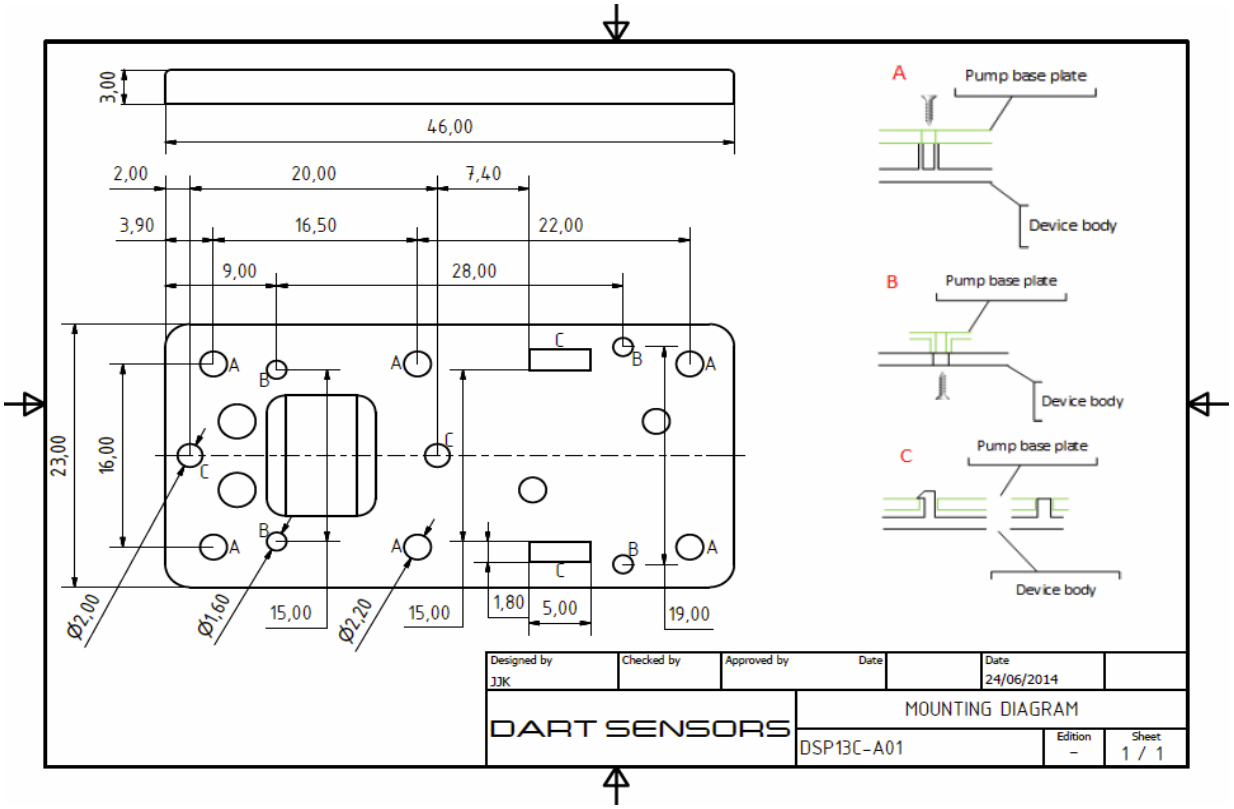
POWER BOOST CIRCUIT SCHEMATIC



- Pump is triggered when the PUMP input goes high.
- It is important to ensure that the boost capacitor is fully charged before actuation. The 'VAD' signal shown in the circuit diagram must be connected to an A/D converter port and monitored. When stable, the circuit is charged and ready for use.
- C66, L3, R29, C65 and D4 are for holding the pump in position. If this is not needed the components can be omitted.



Note: A sampling volume of 0.30mL cannot be achieved on the standard base plate. A parts kit is available to mount the components directly to your PCB.

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