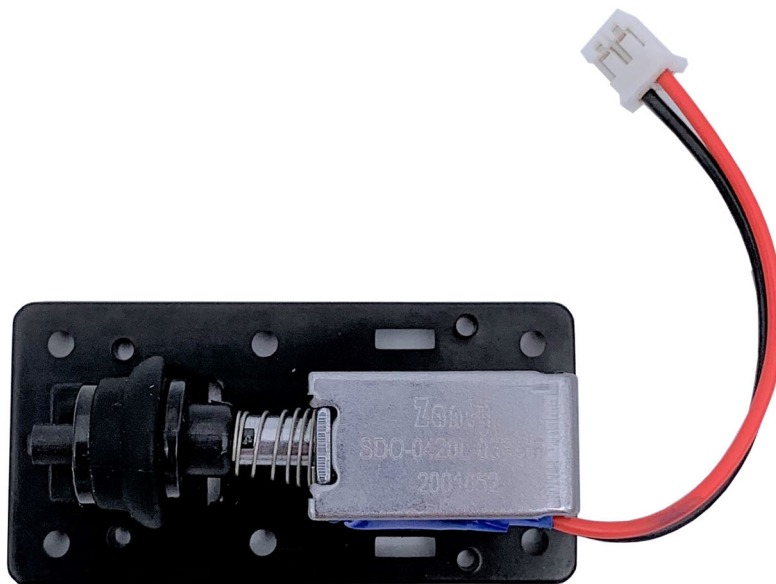


DART SENSORS

SAMPLING PUMP, 0.35-0.4ml



PUMP CHARACTERISTICS

Parameter	Min.	Typ.	Max.	Units
Operation Ambience Temperature	-5		+45	°C
Operation Ambience Humidity	5		95	%RH
Store Ambience Temperature	-20		+65	°C
Store Ambience Humidity	5		60	%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

ORDERING INFORMATION

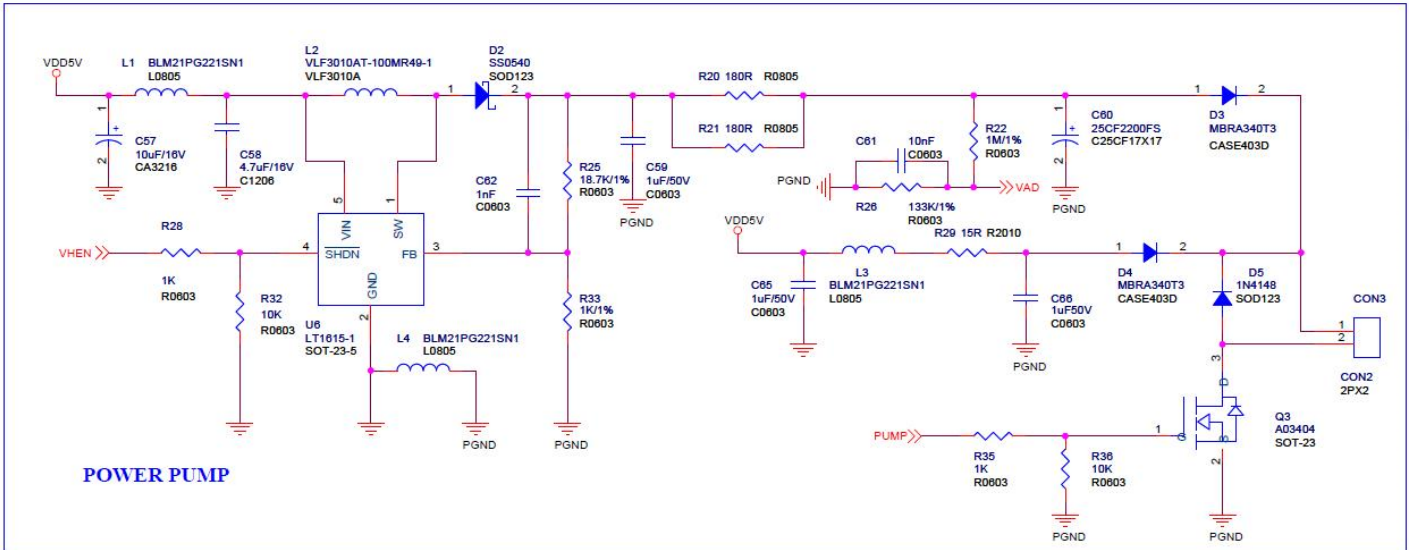
Part Number	Description
3-P035	Sampling Pump, 0.35-0.4ml



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Revised: 15th December 2020

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.

