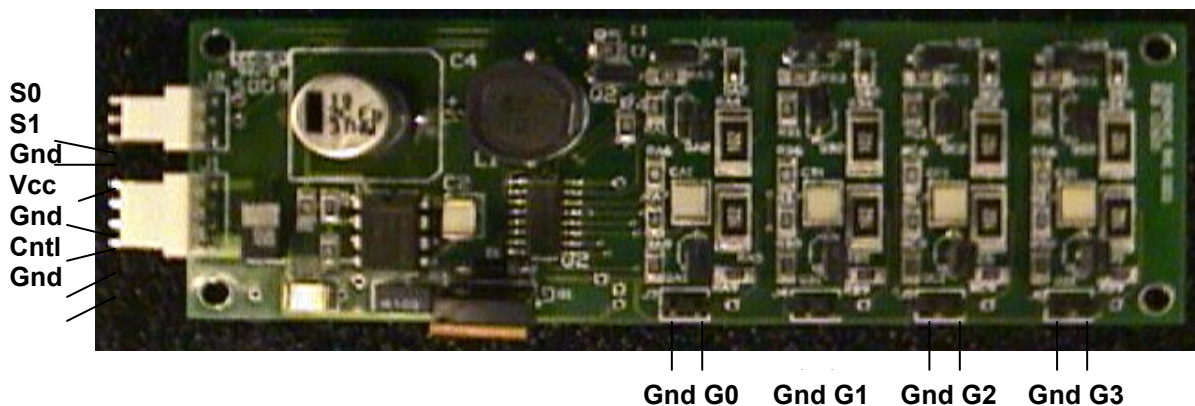


## 4-Channel 100V Driver

### General Description

The Radant MEMS 100 V Driver can be used to control Radant MEMS switches. The driver operates from a supply voltage of 3V to 6V, and outputs -100V. Four output channels are available. **Any one channel may be activated at a time**, using a pair of digital select lines, and a control line.



### Specifications

Parameter	Test Conditions	Minimum	Typical	Maximum	Units
Vcc (supply voltage)		3		6	V
Icq (quiescent current)*			20		mA
S0/S1 logic "low"				0.8	V
S0/S1 logic "high"		3.5			V
Cntl logic "low"	Vcc=5 V			0.8	V
Cntl logic "high"	Vcc=5 V	3.5			V
Rise-time					μs
Fall-time					μs

\* 600mA during power-up

RADANT MEMS INC.

- Phone: 978-562-3866
- Fax: 978-562-6277
- Email: [sales@radantmems.com](mailto:sales@radantmems.com)
- Visit [www.radantmems.com](http://www.radantmems.com)

# 4-Channel 100V Driver

## Connection Descriptions

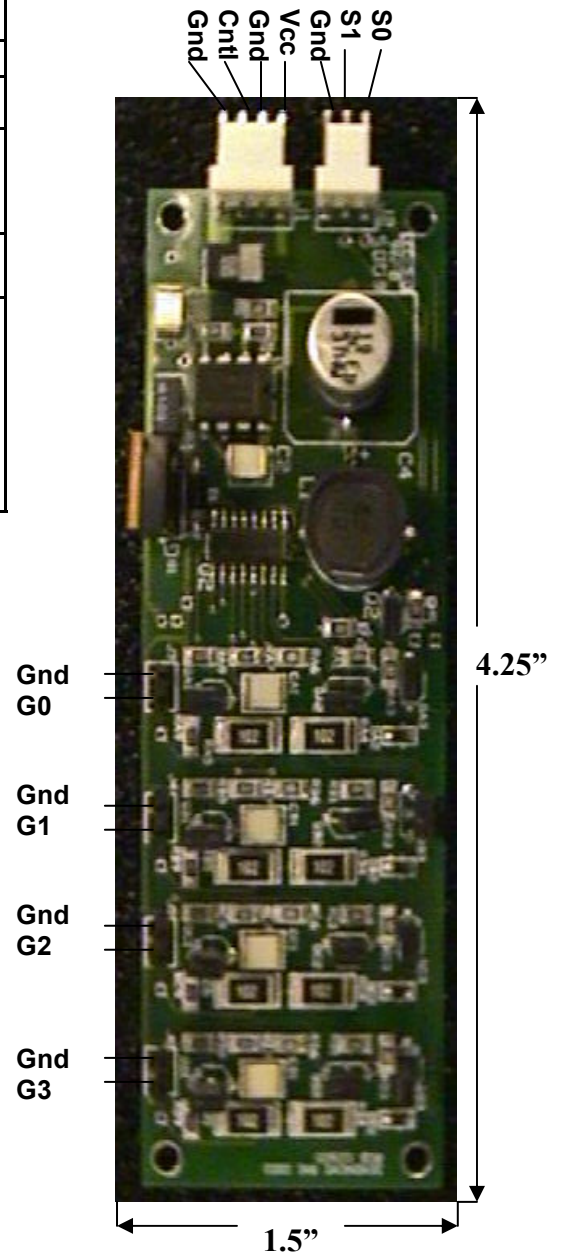
Board Label	Description
Vcc	Supply voltage
Gnd	Ground
S0	2 Bit logic lines to select one of 4 available outputs
S1	
Cntl	Logic line to control voltage at selected output line
G0	Output lines to be connected to MEMS switch GATE
G1	
G2	
G3	

## Output Selection Logic (low = 0V, high = 3V - 6V)

S1	S0	Selected output
low	low	G0
low	high	G1
high	low	G2
high	high	G3

## Output Control Logic (low = 0V, high = 3V - 6V)

Cntl	Output voltage
low	0 V
high	-100 V



RADANT MEMS INC.

- Phone: 978-562-3866
- Fax: 978-562-6277
- Email: [sales@radantmems.com](mailto:sales@radantmems.com)
- Visit [www.radantmems.com](http://www.radantmems.com)