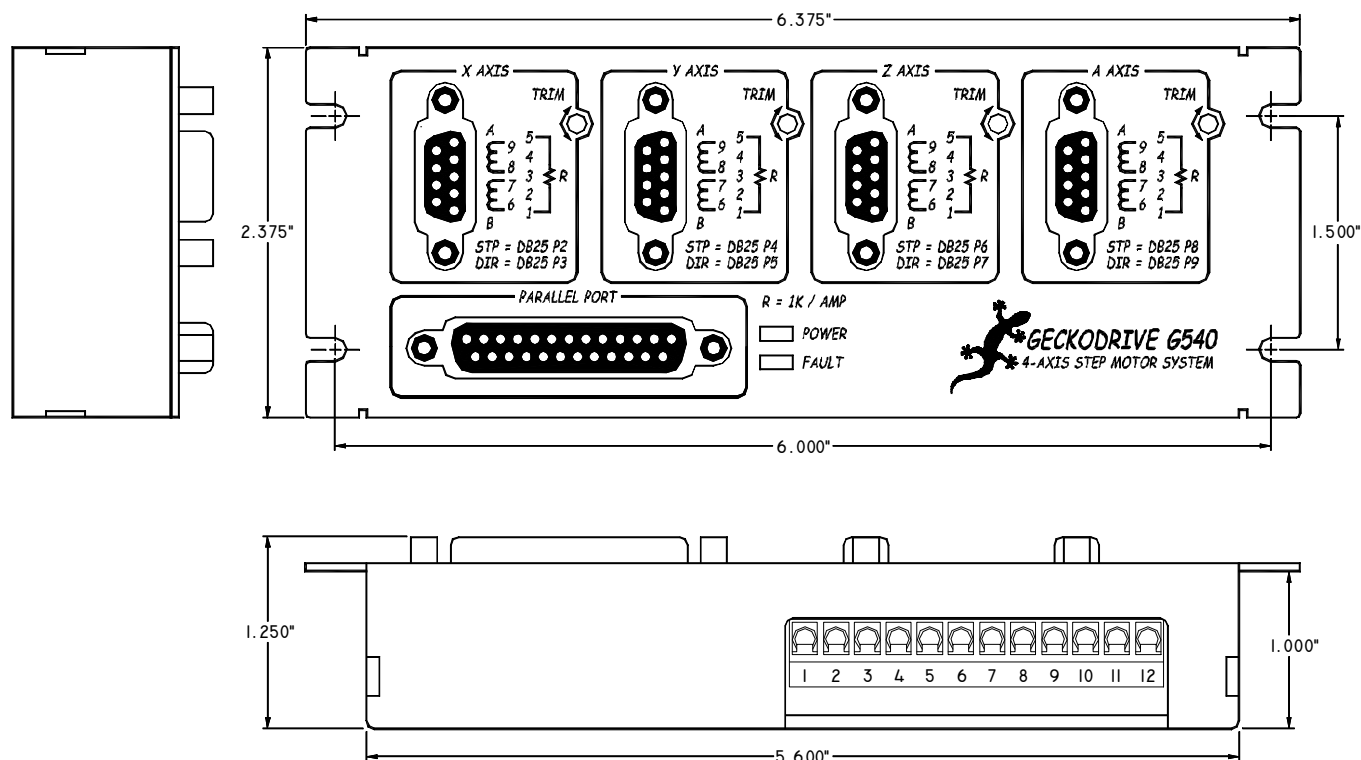




## G540 4-AXIS DRIVE SPECIFICATIONS, PINOUT AND DIMENSIONS

GECKODRIVE INC.  
14662 FRANKLIN AVE.  
SUITE# E  
TUSTIN, CALIFORNIA 92780  
1-714-832-8874



### DB9 MOTOR CONNECTORS:

Pin 1	CURRENT SET resistor
Pin 2	GND
Pin 3	GND
Pin 4	GND
Pin 5	CURRENT SET resistor
Pin 6	PHASE B motor wire
Pin 7	PHASE /B motor wire
Pin 8	PHASE A motor wire
Pin 9	PHASE /A motor wire

### MAIN TERMINAL BLOCK:

Pos 1	INPUT 1 (DB25 pin 10)
Pos 2	INPUT 2 (DB25 pin 11)
Pos 3	INPUT 3 (DB25 pin 12)
Pos 4	INPUT 4 (DB25 pin 13)
Pos 5	OUTPUT 1 (DB25 pin 17)
Pos 6	OUTPUT 2 (DB25 pin 1)
Pos 7	VFD GROUND
Pos 8	VFD OUTPUT
Pos 9	VFD +10VDC
Pos 10	DISABLE input (E-STOP)
Pos 11	SUPPLY +18 to +50VDC
Pos 12	POWER SUPPLY GROUND

### DB25 LPT CONNECTOR:

Pin 1	OUTPUT 2
Pin 2	X-AXIS STEP
Pin 3	X-AXIS DIRECTION
Pin 4	Y-AXIS STEP
Pin 5	Y-AXIS DIRECTION
Pin 6	Z-AXIS STEP
Pin 7	Z-AXIS DIRECTION
Pin 8	A-AXIS STEP
Pin 9	A-AXIS DIRECTION
Pin 10	INPUT 1
Pin 11	INPUT 2
Pin 12	INPUT 3
Pin 13	INPUT 4
Pin 14	VFD PWM (50Hz)
Pin 15	FAULT (input to PC)
Pin 16	CHARGE PUMP (>10kHz)
Pin 17	OUTPUT 1
Pin 18	GND
Pin 19	GND
Pin 20	GND
Pin 21	GND
Pin 22	GND
Pin 23	GND
Pin 24	GND
Pin 25	GND

### SPECIFICATIONS:

Four 10-microstep motor drives  
0 to 3.5A rated phase current  
18VDC to 50VDC supply voltage  
Mid-band resonance compensation  
Auto standby current (70% current)  
Short-circuit protected  
Opto-isolation on all LPT signal pins  
Two 1A at 0 to 50VDC rated outputs  
Four SPST to GND inputs (TTL)  
Opto-isolated analog output for VFD drive  
FAULT indicator LED, signal to PC  
POWER indicator LED  
I-SET resistor on motor connector  
TRIM adjust for motor smoothness  
Panel mount (5.7" by 2.4" hole dim.)  
Anodized aluminum package  
No heatsink needed below 40C ambient  
Easy to service removable drives  
Modular PCB design with no internal wires  
Conservative ratings, premium components