

## **MODEL 504 SERIES**

Valve Drive Board

- Adjustable RAMP & PWM Frequency
- Independent Low-High current adjustment
- Dual Output Range (Mid/Hi)
- Swap Feature
- RAMP duration between MID and HI Ranges
- Current sourcing w/feedback outputs
- 2.5 amp FET on/off outputs
- Over-signal protection
- Short circuit protection
- Reverse Polarity Protection
- Voltage Supply Transient Protection
- EMI & RFI Resistant

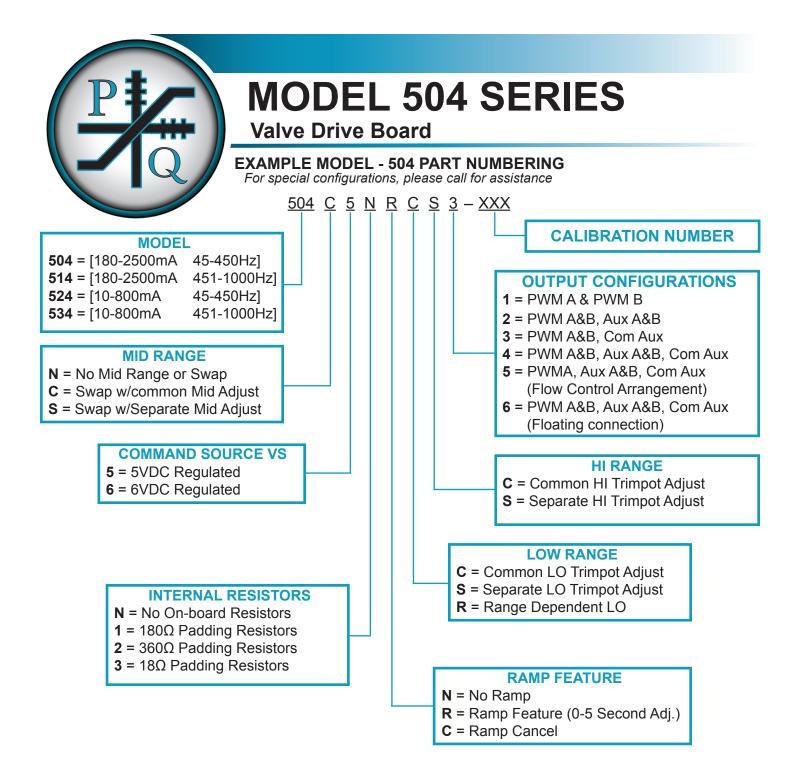


The Model 504 series of valve drive boards are an electronic interface between a command source (potentiometer, joystick, footpedal, etc.) and an electro-hydraulic valve or pump. The board receives analog signals from the command source, and provides Pulse Width Modulated Output (PWM) to drive most electrically modulated valves and pumps available today. The board also provides On/ Off outputs and other features to smoothly stroke a valve or pump wiht greater control and flexibility over conventrional hydraulic components. The 504 family of valve boards are designed for use on mobile equipment where extreme environments (Both weather and electrical) are encountered.

\*For a complete description of the product, please see the M504 Manual.

Electrical Data	
Supply Voltage	10-30 VDC
PWM Outputs (A, B)	Configurable from 10 - 2500mA
	Regulated Output Current Fixed within 2%
Auxiliary Outputs (A, B, Common*)	2.5 amps
Protection	Reverse Polarity, Over-Voltage, Open/Shorted
	Signal Leads, EMI/RFI Hardened, Transient
	Voltage Supply
Regulated Power Out (PT+, PT-)	5 VDC (may be used to power 5V CSource)
Signal Input	1 - 4 VDC, 2.5 Neutral (30% Signal Swing)
Environmental Data	
Operating Temperature	-40° to 85°C
Protection	Sealed Epoxy Potting (Black)
Resistance	Humidity, Rain/Water, Sun/UV exposure

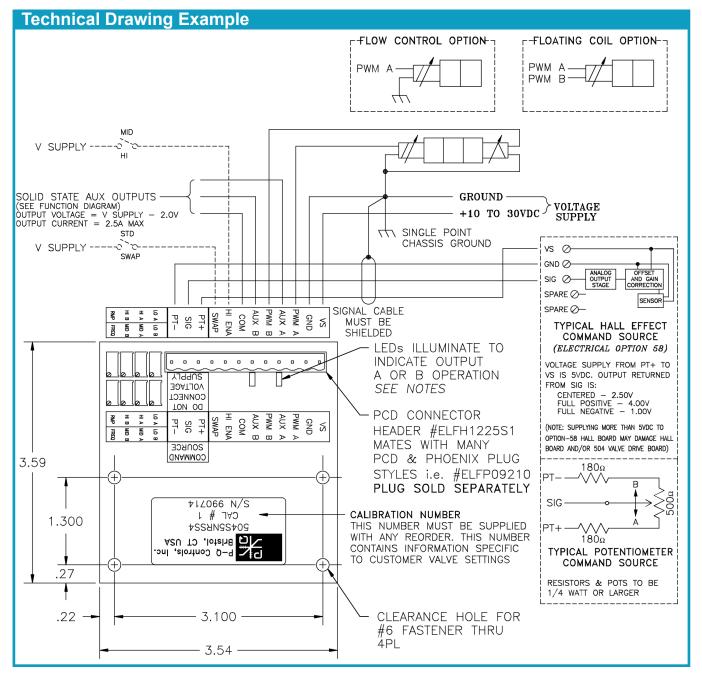
Data sheet M504, **PQ Controls, Inc.** 95 Dolphin Road, Bristol, CT, USA 06010 Tel: 860-583-6994, Fax: 860-583-6011, Email: info@pqcontrols.com www.pqcontrols.com





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