

## **EDR/VSHolding introduces a family of isolated, Full-Bridge Drivers (H-Switches) for DC & Stepper Motors, high-speed solenoids and punchers**

Louisville, KY – August 2, 2008 – Electronic Design & Research, Inc., today announced the immediate availability p/n EDR82951 (H1L55D4) from the family of full-bridge drivers with inputs/outputs optically coupled capable of blocking up to 2500V. The H1L-series drivers potted in a small SIP8, only 1.48”L x .3” W x .68” H enclosures. All drivers have CMOS compatible enable and direction controls and consume only about 3.0 mA current at any input voltage, 5VDC-16VDC. For an additional power conservation, the input power (Vcc) can be shot off without thus simulating the enable control. The p/n EDR82951 designed for output voltage 17-55VDC and output current up to 2A (AVE) at 0.050 Ohms and 20A (PEAK). We offer a large number of the same family and made for various output currents and voltages, please email us your inquiry.

The EDR82951 originally developed to drive a DC motor for opening a solar panel on satellites and other highly demanding the defense related applications. Designed for very low power consumption, in a small size and relatively high speed switching (the direction can be switch up to 300 Hz) the family of H-drivers found many applications especially because EDR Inc. made it available for wide available voltage and current ratings. The H1L- full bridge drivers an ideal for use in a variety of applications included DC/AC motor controls, robotics, medical equipment, railroad and traffic controls, consumer appliances, industrial controls, test and measurement equipment and I/O subsystems. Since the introduction, the H1L55D4 has being used for controlling DC Motors, high-speed solenoids, high-speed puncher, and driving stepper motors.

EDR’s H-driver family of drivers provides significant competitive advantage in the power driver market. An internal precision timer controls a “dead” time between the CW and CCW and provides true break-before-make commutation that allows driver a high-speed solenoid and not to worry about a shoot-through current. The enable input is a dual function control. It disables both outputs (terminals) and cuts external power consumption to the minimum (stand-by). P/n EDR82951 costs \$52.15/per hundred. More information can be found at

<http://www.vsholding.com/news%20release/hdriver.pdf>

### **About EDR/VSHolding**

EDR Inc. is a small high-tech company. Since its formation in 1984, the company has introduced a number of milestone inventions and technological break-through devices and equipment. Conceived neural-cell principle of processing information led to construction of the Super-High Resolution EKG and later on creation new branch of science the Neural-Network, invention of the Perpetual Pulse-Width counter opened door for a charge-pump phase detector, a n-shape and narrow-band digital filtering and hundredths other innovations that have made possible modern-day digital communication. Advance in developing power semiconductors encourage us to invest resources in developing Solid State Relays/Switches. In 2002, a patent for an intelligent solid-state relay/breaker filed and now p/n EDR82360 controls power in many submarines. During past several years EDR Inc. maintains the leadership in high- and super-high power, high- and super-high speed, and high-voltage relays, switches, breakers and drivers. Additional information about our product can be found at: [www.vsholding.com](http://www.vsholding.com)

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