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*Potentiometers feature life cycles as high as 1,000,000 rotations...*

## **BI TECHNOLOGIES DEVELOPS CUSTOM PANEL POTENTIOMETERS FOR XP AUDIO'S BOLT GUITAR AMPLIFIERS**

FULLERTON, CA (June 29, 2009) – Providing pro audio manufacturers high quality human interface devices with extended life cycles, TT electronics BI Technologies has developed custom panel potentiometers for XP Audio's BOLT guitar amplifiers. Using designs based on the proven Model P260 and Model P09x panel potentiometers, BI is supplying more than 30 potentiometers to the front and back of XP Audio's amplification systems.

“XP Audio's BOLT amplifiers provide extremely high visual quality, and as the immediate human interface, our potentiometers must also follow suit,” said Alain Leon, product marketing manager for BI Technologies. “With conductive plastic elements, concentric shafts and life cycles as high as one million rotations, the high quality potentiometers are ideally suited for amplifier and other pro audio applications.”

In addition to amplifiers, BI's panel potentiometers are also being deployed in foot pedal, guitar and pre-amplifier applications.

## **BI DEVELOPS CUSTOM PANEL POTS FOR XP AUDIO'S BOLT GUITAR AMPLIFIERS, PG. 2**

“While BI’s panel potentiometers are of exceptionally high quality, we were also impressed with the outstanding customer service—we received samples in just 4 weeks—as well as the competitive pricing,” said Paul Howard, head of engineering for XP Audio.

BI Technologies developed custom package sizes and configurations to meet specific XP Audio application requirements with designs based on its standard Model P260 and Model P09x panel potentiometers. The standard Model P260 devices are IP66-sealed and offered in side- or top-adjust versions with PCB leads and a rotary switch option. Standard resistance ranges from 2K $\Omega$  to 1M $\Omega$ , with standard tolerance to  $\pm 10\%$  and a switch contact resistance of 150m $\Omega$ . Maximum rotational torque is 1.5oz-in (0.5oz-in each additional gang) and minimum switch detent is 2.0oz-in. Rotational life is to 1,000,000 cycles, with an operating temperature range from -55°C to +125°C.

Standard Model P09x rotary potentiometers are offered in side- or top-adjust switch versions with PCB pins and up to 8 gangs. Resistance ranges from 1K $\Omega$  to 500K $\Omega$ , with standard tolerance to  $\pm 20\%$  and a switch contact resistance of less than 100m $\Omega$ . Rotational torque ranges from 0.5 to 1.25oz-in. Rotational life is to 100,000 cycles, with an operating temperature range from -10°C to +70°C.

Typical pricing for standard Model P09x and Model P260 panel potentiometers ranges from \$0.30 to \$2.00 in quantities of 1000 to 5000 pieces. Lead time is 4 weeks.

For more information about BI Technologies’ panel potentiometers, contact BI Technologies at 714-447-2345, by fax at 714-388-0046; by mail at 4200 Bonita Place, Fullerton, CA 92835; or visit: [http://www.bitechnologies.com/products/panel\\_pots\\_sg.htm](http://www.bitechnologies.com/products/panel_pots_sg.htm).

### **BI DEVELOPS CUSTOM PANEL POTS FOR XP AUDIO'S BOLT GUITAR AMPLIFIERS, PG. 3**

Founded in September 2007, XP Audio designs and manufactures top-line, highly innovative amplifiers and pre-amplifiers. XP Audio includes the brands BOLT, Forge and Motion Sound. For more information, visit: <http://www.xpaudioinc.com/index.html>.

BI Technologies has been an innovator and leader in electronic components for more than 50 years. The company is a global manufacturer of trimming and precision potentiometers, position sensors, turns-counting dials, chip resistor arrays, resistor networks, integrated passive networks, transformers, inductors, hybrid microelectronics and custom integration products for communication, computer, automotive and industrial applications.

BI Technologies serves a global customer base with manufacturing locations in the United States, Mexico, Scotland, Japan, China and Malaysia.

TT Electronics plc is a global electronics company manufacturing a broad range of advanced electronic components, assemblies and sensor modules for the automotive, industrial, telecommunication, computer and aerospace markets.

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<http://boltamps.com/index2.html>