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BALIRAM
TECHNOLOGIES PVT LTD

**WHITE
PAPER**

104W7776P001 - AEAD I/O1 Grid Feedback Board (*Make-GE*) BTPL Product Code - BTPL-R05

Product Details :

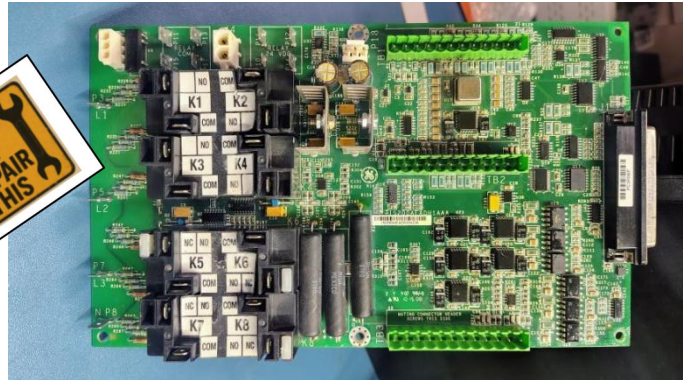
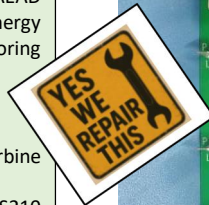
The part 104W7776P001 is a GE Energy board known as the AEAD I/O1 Grid Feedback Board, typically used in renewable energy systems (e.g., wind or grid-connected inverters) for monitoring and controlling grid interactions

Technical Specifications:

- **Manufacturer:** GE Energy (part of GE Boards & Turbine Control)
- **Part Number:** 104W7776P001(a revision 'B' of the IS210 AEPS power supply board)
- **Purpose:** Real-time monitoring of grid parameters (voltage, current, frequency) and providing feedback/control signals to the inverter's main control module.
- **Interfaces:** Likely includes analog/digital I/O, isolated communication buses (such as CAN, I²C, or proprietary GE fieldbus), and possibly opto-isolation to the grid-side circuits.

Application:

- **Grid Feedback Functionality** Serves as the grid feedback interface (AEAD I/O) in GE's renewable energy inverters or drive systems, enabling real-time monitoring of electrical grid parameters and safe connection of alternative energy sources .
- **Common in Wind Turbine/Ground-Tied Systems** Packaged under HS Code 85389000 ("Boards of a kind used with wind or electric power generating sets") and regularly traded globally for wind-power applications



can effortlessly perform visual tests, quickly identifying burnt components, damaged traces, or other visible signs of failure. Beyond the visual, we conduct comprehensive **functional tests** to ensure every aspect of your device is operating as intended.

State-of-the-Art Test Setup Our commitment to precision is reflected in our meticulously equipped test setup. We utilize only the best quality instruments.

- Accurate electrical measurements.
- LCR meters, Logic probes for digital circuit analysis.
- High End Oscilloscopes for visualizing electrical signals.
- Wide range of Function generators.
- Power supplies ranging from 3VDC to 300VDC and 110Vac to 3phase 230Vac for controlled testing environment.
- Premium soldering and desoldering stations for precise component work.
- We do test DUT (Device under test) with simulated and controlled environment.

Uncompromising ESD Protection Protecting your sensitive electronic components from electrostatic discharge (ESD) is paramount. At Baliram Technologies, we've implemented a robust ESD protection system throughout our lab. A full range of ESD-safe tools

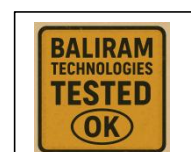
Established Spare Parts Supply Chain We do have well eshtablished supply chain locally and abroad as well. We do have ready stock available at our Pune based facility.

Empower Your Electronics with Baliram Technologies

At Baliram Technologies, we don't just fix electronics; we breathe new life into them. We understand the critical role your equipment plays, and our dedicated team is committed to providing **swift, precise, and reliable solutions** to keep your operations running smoothly.

Expert Diagnostics & Troubleshooting Our highly trained and experienced technicians excel at **fault finding and troubleshooting on component level**. We utilize a methodical approach, combining deep technical knowledge with state-of-the-art tools to quickly identify the root cause of any malfunction.

Precision Visual & Functional Testing Sometimes, the answer is right before our eyes. Our skilled staff



Partner with Baliram Technologies and experience the difference that expertise, advanced technology, and a commitment to quality can make for your electronic systems.