

PERFORMANCE ENHANCEMENTS

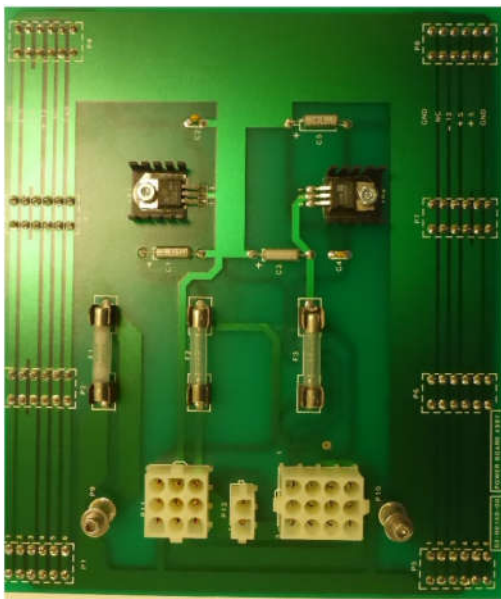
Sustainable Solutions is Our Ongoing Commitment

Concept Part Solutions is dedicated to extending the lifetime of your maturing semiconductor manufacturing equipment. As your toolsets age and new processes emerge, we pursue every opportunity through our Continuous Improvement Program (CIP) to offer important enhancements that increase the reliability, productivity, and performance of your install base.

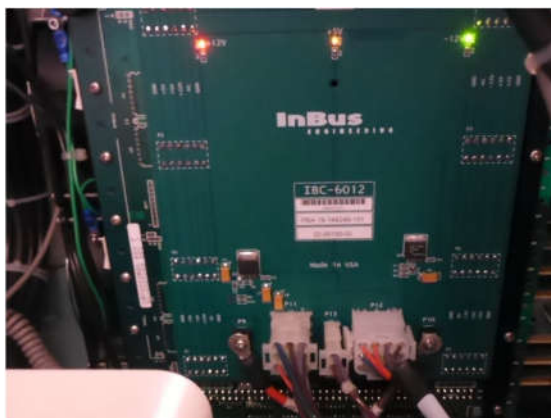


Concept One Dielectric

5VDC Monitoring and Power Board



Old Power Board



New Power Board

Fluctuation of the 5VDC signal in the Concept One system can lead to intermittent, random errors on the toolset. CPS is pleased to announce the 5VDC Monitoring and Power Board Upgrade for the C1D platform.

Maintaining the C1D power supplies is a critical part of good tool operation. The most critical of these power supplies is the 5 VDC power supply (signal measured at TP2 on the terminal panel). This 5 VDC signal is supplied to the multi-bus controller and it is critical that this power supply is kept at a constant 5.15 volts. If this 5.15 volt signal drops below 5 volts you could see any random number of system faults due to this fluctuation.

CPS has developed an enhancement to eliminate the potential drop in the 5 volts at TP2. This upgrade consists of two enhancements:

- CPS has implemented a 5VDC sensing circuit upgrade at TP2 to maintain the 5-volt signal at a constant, end user set, level.
- The Power Board (02-00150-00) has been re-designed to reduce power loss due to oxidation and poor connections. The original board used posts that were soldered in place and over time this solder could crack or break causing power loss. The original board also had 3 fuses; the fuse holders could build up oxidation also creating another path for power loss. The new CPS designed power board has improved the connection points for the 5-volt wires and has removed the 3 fuses. CPS has also added 3 LEDs to help the end user easily identify the

Benefits

- Elimination of 5 VDC drift
- Elimination of “phantom” tool alarms caused by unstable 5 VDC signal
- Elimination of known failure points on Power Board



Corporate Headquarters
Concept Part Solutions, Inc.
2047 Zanker Road
San Jose, CA 95131
Tel: 408.855.8585
www.conceptpartsolutions.com

Concept One 150mm and 200mm
5VDC Signal Conditioner Upgrade

**Get More Information on
System Performance Enhancements**

To find out how to improve the performance and productivity of your CPS supported systems, call your local CPS Sales and Service Office for complete ordering information, or visit www.conceptpartsolutions.com.

System Prerequisites:

- System must have Megapak Power Supply

Ordering Information:

5VDC Signal Conditioner Upgrade

CPS-04-10117

Some Upgrades may require an audit of your System; Contact your local CPS Representative to verify the Upgrade Kit before ordering.