

SIEMENS DIGITAL INDUSTRIES SOFTWARE

# What's new in PCBflow

Instantly check your design to qualify it for assembly and manufacturing

## Benefits

- Saves time and costs in the design-to-manufacturing handoff process by addressing manufacturability challenges
- Enables anyone to easily preview designs and perform DFM analysis – even users without access to ODB++ or IPC2581
- Connects designers with manufacturers to perform DFM based on specific manufacturing capabilities
- Enables designers to get accurate price estimates, immediately
- Provides a secure, cloud-based, collaborative environment with no IT investment

This release introduces two new features that facilitate and speed design review and price estimation processes. Now a wider range of users can preview printed circuit board (PCB) designs and perform design for manufacturing (DFM). Additionally, users can now easily and quickly create accurate price estimates using manufacturers' pricing information available from within PCBflow.

## PCBflow summary

PCBflow is designed to accelerate, simplify and improve the handoff process from design to production. Designers and manufacturers can connect to share and collaborate on the platform, and instantly deliver designs to production.

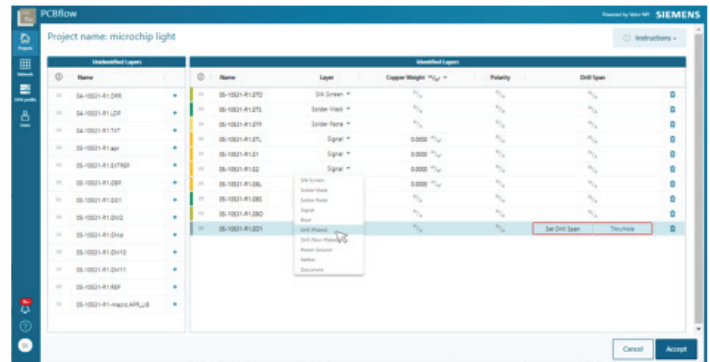
PCBflow gives each person involved in the process access to the tools and data they need to perform their role effectively. It streamlines collaboration between design and manufacturing.

**Support for Gerber 274x format:**

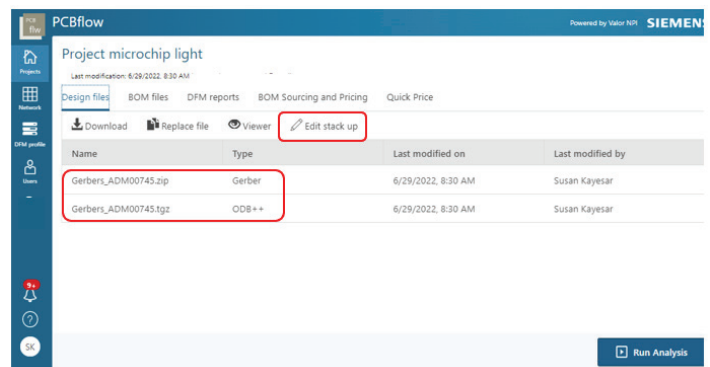
While ODB++ is a complete design format and should always be used when available, not everyone has access to it. With this new release, users who lack access to ODB++ or IPC2581 can now easily upload their designs in Gerber 274x format to PCBflow and add missing details before proceeding with DFM analysis. The additional design information enables comprehensive DFM analysis and clarifies design intent to manufacturers. All designs are converted to ODB++ format and stored on PCBflow free of charge.

This enables users to:

- Easily upload compressed Gerber 274x design files
- Use the intuitive PCBflow Stackup Manager to specify additional critical design details
- Drag and drop layer position, select layer type, add copper weight, polarity and drill layer information



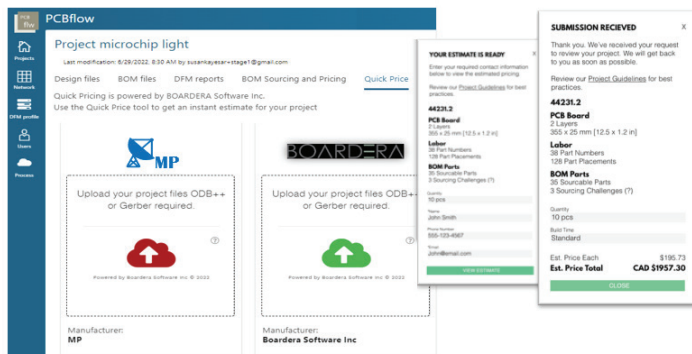
Additional design details are easily specified using PCBflow Stackup Manager.



**Quick Pricing powered by Boardera**

Designers can instantly see updated cost and availability information for bill of material (BOM) components using the BOM Pricing and Sourcing Tool. They can immediately get an accurate price estimate for the manufacturing and assembly of any design, simply by requesting a QuickPrice from within PCBflow.

The original Gerber 274x design is stored along with the ODB++ file. The stackup information can be changed, and the translated ODB++ file can be viewed online, at any time.



Quick Pricing enables PCBflow users to receive immediate, accurate price estimates for their design.

This new feature enables any PCB manufacturer to create a proprietary pricing model via the Boardera online platform, which will then qualify them as QuickPrice providers within PCBflow. Each request generates a lead that is sent automatically to the manufacturer.



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