

# FPT Software Module™

## "A PCB Reverse Engineering value-added Tool"

### INNOVATIVE ALTERNATIVES

The ScanCAD FPT Software Module provides a sophisticated and user-friendly option for generating a Netlist file when the circuit board (PCB/PWB) cannot be destroyed.

FPT Software Module can also be used as an "independent" verification or validation of the Netlist data generated with the ScanFAB system.

### PCB REVERSE ENGINEERING

When a PCB needs to be re-engineered but cannot be destroyed, the FPT Software Module connects ScanCAD software and Flying Probe Test (FPT) equipment to extract the Netlist without destroying the PCB.

### VALIDATION TOOL

FPT Software Module can be used as a validation tool during the re-engineering process using ScanFAB. The combination of these two tools permit 100% independent validation of a Netlist, even if there is only one remaining PCB in existence. First, the FPT & FPT software module generate a Netlist by probing the PCB in a non-destructive mode, then ScanFAB generates a second netlist independently during the layer by layer destructive reverse engineering (RE) process. The two resulting Netlists can then be compared and reconciled to create an accurate, verified and validated Netlist.

### FLYING PROBE TEST INTERFACE

The FPT Software Module is designed to interface with a wide variety of available FPT machines. Not only does the software create the test programs for the FPT, but it then processes the error logs.

Current FPT-compliant interfaces include:  
ScanCAD ScanINSPECT FPT  
Mania FPT (Speedy Family)  
Mania Ultima 8  
Microcraft EMMA  
Gardien Evolution 2, G50, G60, G70 & Loc8

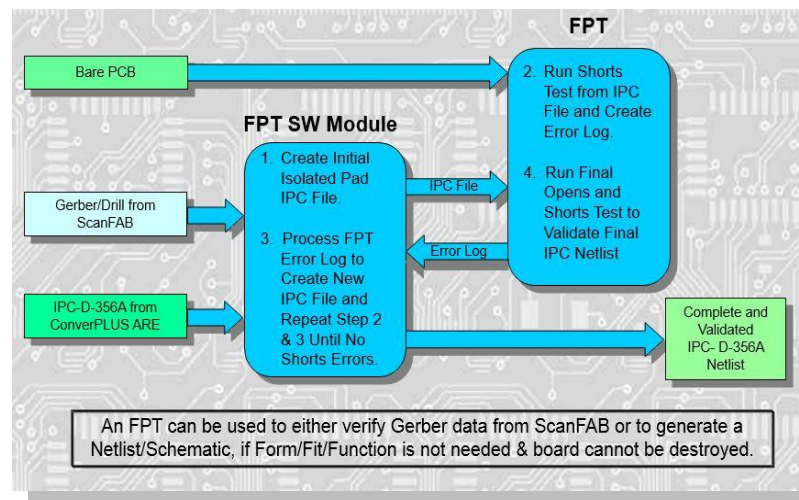
### OUTPUT

IPC-D-356A Netlist

### REQUIREMENTS

ScanFAB Software  
ScanPLACE Software  
ConvertPLUS ARE Software  
ScanCAD-approved FPT

Rev18022620



### WHY USE FPT SOFTWARE MODULE?

- **Safe:** Non-destructive reverse engineering (RE) process with built-in validation
- **Productive:** Iterative process is designed for FPT machines to run at night and on weekends in off-hours for RE, then be stopped as needed for normal FPT production
- **Fast:** The software quickly analyzes the FPT error log to generate new IPC files for very efficient FPT operations. Optimized for RE.
- **Accurate:** Process is much more accurate than manual probing methods as well has built in redundancy to avoid netlist errors.

### TECHNICAL SPECIFICATIONS

#### COMPUTER\*

- Multi Core Processor - 3 GHz
  - 1 TB 7200 RPM HD, 8 - 16 GB RAM
  - CD/DVD ROM
  - Flat Panel Monitor
  - Ethernet Connection
  - Windows 10, 64-Bit w/ 2 avail. USB2 or USB3 ports
- \*Recommended customer supplied minimum PC requirements.

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(All specifications and designs subject to change without notice.)



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