



PI Expert™ 설계 도구

사양을 작동하는 파워 서플라이 설계로 신속하게 변환하고 다음을 제공합니다.

- 설계 요구 사항을 충족하는 최고의 PI 제품
- 완전한 회로도 및 BOM
- 보드 레이아웃 권장 사항
- 완전한 제작 지침이 포함된 마그네틱 설계
- 성능 최적화

오프라인 파워 서플라이 설계 단순화

The screenshot shows the PI Expert Online web application. The main area displays a detailed schematic of a flyback converter. The circuit includes an input filter with capacitors C1 and C2, a bridge rectifier with diodes D1 and D2, a transformer T1, a MOSFET M1, a diode D3, and various passive components like resistors R1-R12 and capacitors C3-C11. The output is a 12.0 V, 2.00 A regulated supply. A specification panel on the right lists the following details:

- Topology:** Flyback
- Family:** InnoSwitch3-EP
- Package:** C (INSOP-340)
- Breakdown Voltage:** 750 (PowGaN)
- Feedback Type:** Secondary Divider
- Line Frequency:** 50
- Input Voltage Type:** Universal (85 - 265 V)
- Use SR on Main Output:** YES
- Total Peak Power:** 24.00
- Current Limit Mode:** Standard

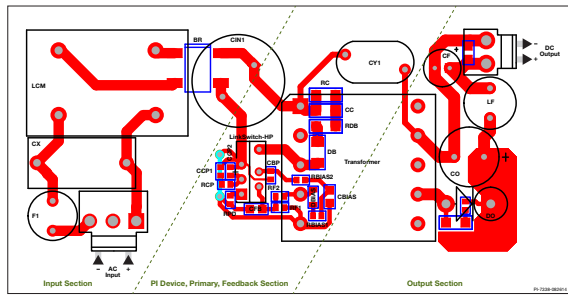
The interface also shows a status bar at the bottom indicating "Design Passed (Optimization Done)" and a footer with copyright information for Power Integrations.

지원되는 PI 제품

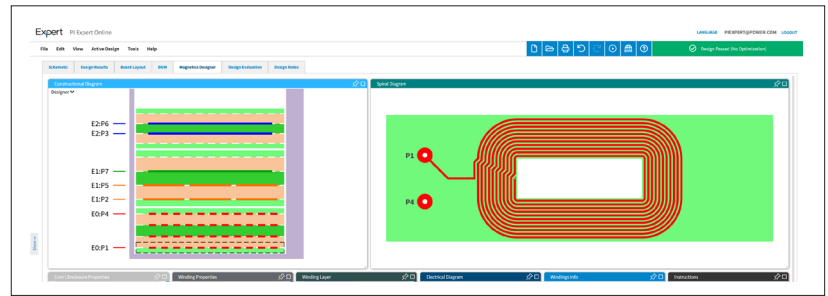
PI 제품	PI Expert	PI xls Designer
BridgeSwitch™		X
DPA-Switch™	X	X
Hiper™ Families		X
InnoSwitch™		X
InnoSwitch3	X	X
InnoSwitch4		X
LinkSwitch™-II, 3, 4, LP, TN, TN2, XT2		X

PI Product	PI Expert	PI xls Designer
LinkSwitch-CV, HP, PH, PL, XT	X	X
LinkSwitch-TNZ		X
LinkZero™-AX, LP		X
LYTSwitch™-6	X	X
LYTSwitch-0, 1, 2, 3, 4, 5, 7		X
TinySwitch™-III, 4	X	X
TOPSwitch™-HX, JX	X	X

레이아웃 권장 사항



마그네틱 설계 도구 - 평면 트랜스포머



시작하기

- 온라인 [PI Expert Online \(www.power.com/pi-expert-online\)](http://www.power.com/pi-expert-online)
- 다운로드 [PI Expert Suite 소프트웨어 \(for desktop\) \(www.power.com/pi-expert-download\)](http://www.power.com/pi-expert-download)

설계 지원

- 영상 [PI Expert 소개 \(www.power.com/pi-expert-video\)](http://www.power.com/pi-expert-video)
- 영상 [PI Expert에서 평면 트랜스포머 설계 지원 \(www.power.com/video/pi-expert-planar\)](http://www.power.com/video/pi-expert-planar)
- 웨비나 [PI Expert Online 소개 \(www.power.com/webinar/pi-expert-pt1\)](http://www.power.com/webinar/pi-expert-pt1)
- 웨비나 [PI Expert Online 마그네틱 설계 \(www.power.com/webinar/pi-expert-pt2\)](http://www.power.com/webinar/pi-expert-pt2)
- 웨비나 [PI Expert Online을 사용한 진화된 파워 서플라이 설계 \(www.power.com/webinar/pi-expert-pt3\)](http://www.power.com/webinar/pi-expert-pt3)