

Phillip D. Cassel

Experience	2003 to Present http://www.pcbdesignservices.net	Pittsburgh, PA
	Sr. PC Board Designer (Proprietor) <ul style="list-style-type: none"> Designed over 600 PC Boards for 45 Companies throughout the USA. 	
	2000-2003 Spinnaker Networks (now part of Netapp) PA	Pittsburgh, PA
	Sr. PC Board Design Eng. <ul style="list-style-type: none"> Designed 60,000 pin product with no part issues. Developed part number system, and supported it. Created standard part library of 600 parts per IPC standards. Created network speed enhancing equipment. 	
	1999-2000 Contraves PA	East Pittsburgh, PA
	Sr. PC Board Designer <ul style="list-style-type: none"> In house contract design of 3 products for customers. Brought in \$250,000 business from local contact. 	
	1993-1999 Compunetics PA	Monroeville, PA
	Lead PC Board Designer <ul style="list-style-type: none"> Contract design for remote customers from Monroeville facility. Designed up to 20 layers, fine pitch PC Boards, using in house Fabrication. Developed techniques to resolve undoable designs for customers. 	
	1983-1993 Moore Products PA	Spring House, PA
	PC Board Designer A <ul style="list-style-type: none"> Designed PC Boards for Nuclear Power Industry. Designed PC Boards to meet FM and CSA requirements. Created and modified Schematics to Eng requirements using CAD tools. 	
	1980-1983 Gasboy PA	Lansdale, PA
	Electro Mechanical Designer <ul style="list-style-type: none"> Designed PC Boards for the Petroleum Industry. Designed PC Boards to meet UL requirements. Manual layout and hand tape to create artwork for Printed Circuit Boards. 	
Education	1973-2003 Industry and Vo-Tech School PA	Lansdale, PA
	<ul style="list-style-type: none"> Cadence Allegro, Spectra, and Concept courses. All available Electrical and Electronics courses (1979-1981). Mechanical Drafting (1970-1973). 	
Interests	Travel, Computers, and Mechanical devices.	