

# JAMES R. GITTER

## OBJECTIVE

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Printed Circuit Board Designer

## QUALIFICATIONS

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Extensive background in design, drafting and documentation complying with military standards and specifications, ANSI and IPC specifications, and commercial standards.

## PROFESSIONAL EXPERIENCE

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Printed Circuit Boards: Designed, documented, and checked printed circuit boards with analog, digital, and RF circuitry in one sided, two sided, and multi-layer configurations with thru-hole and/or surface mount components on one or both sides. Designed for TTL and ECL logic, high speed circuitry, and electromagnetic compatibility (EMC). Designed power supplies, motherboards, flat and flexible cables, stitchwire, welded modules, and thick film hybrids. Prepared printed circuit assembly drawings, schematics, fab drawings, logic diagrams, wiring diagrams, wiring lists, and BOM's.

Mechanical: Designed machine parts and prepared assembly, subassembly, piece part, specifications and source control, altered and selected item drawings, parts lists, transformer and inductor, silkscreen and cabling drawings.

## EMPLOYMENT HISTORY

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2003 - Present	Contract Engineering <i>PCB Designer</i>	Longmont, CO
1992 - 2002	Aztek Engineering, Inc. <i>Senior PCB Designer</i>	Boulder, CO
1991 - 1992	Integral Peripherals <i>Senior PCB Designer</i>	Boulder, CO
1989 - 1991	Prairietek Corporation <i>PCB Designer, Group Leader</i>	Longmont, CO
1986 - 1989	Storage Technology Corporation <i>Principal Designer</i>	Louisville, CO
1985 - 1986	ARF Products, Inc. <i>E-M Designer</i>	Boulder, CO

1984 - 1985	Ball Aerospace Systems Division	Boulder, CO
	<i>E-M Designer, PCB Designer</i>	
1980 - 1984	Storage Technology Corporation	Louisville, CO
	<i>PCB Designer</i>	
1979	Ball Aerospace Corporation	Boulder, CO
	<i>PCB Designer</i>	
1977 - 1978	Data Communications Systems, Inc.	Boulder, CO
	<i>PCB Designer</i>	
1976	Astro Engineering Co.	Boulder, CO
	<i>PCB Designer</i>	
1975 - 1976	Gulton Industries, Inc.	Abuquerque, NM
	<i>PCB Designer</i>	
1974 - 1975	XYTex Corporation	Boulder, CO
	<i>PCB Designer</i>	
1972 - 1974	Self-employed	Boulder, CO
	<i>PCB Designer</i>	
1970 - 1972	Lehigh Design Co.	Boulder, CO
	<i>Draftsman, PCB Designer</i>	

## EDUCATION

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2002	PADS PowerPCB PCB Training
2001	Specctra Autorouter Training
1998	Cadence Concept Schematic and Allegro PCB Training
1998	Electromagnetic Compatibility (EMC) Class
1992	PCAD PCB Training
1989	Visionics PCB Training
1988	Mentor Graphics PCB Training
1988	Computervision 'Caddstation' Training
1987	Front Range Community College ETE 101-DC Circuits
1986	Applicon 'B' Editor Class
1984	Computervision Cadds 4X
1983	Computervision Cadds 3X
1972-1974	University of Colorado, Boulder, CO
1968-1969	Fond Du Lac Vo-Tech, Fond Du Lac, WI - Certificate of Drafting