








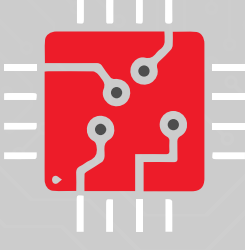


Power Design – Head to Head

Discrete vs. ABB Voltage Regulator/Point of Load (POL)

In the match-up between two leading power design options, one clear winner emerges.

DISCRETE		VS.	VOLTAGE REGULATOR MODULE	
	RELIABILITY	Greater Risk	Less Risk IPC9592 Adherence	
	MEAN TIME BETWEEN FAILURES (MTBF)	Designer Managed	Set And Managed By Vendor	
	PERFORMANCE	Repeat Testing Needed To Verify	Design Quality Proven, Qualified & 100% Tested In Manufacturing Facility	
	DESIGN & SCHEDULE RISK	Design Variables Can Lead To Board Spins And Delays	Power Design Completed And Verified By Manufacturer, Reducing Delay Risks	
	SUPPORT/ TROUBLESHOOTING	Multiple Suppliers/ Vendors To Contact And Keep Track Of	Single Point Of Contact	
	BOARD REAL ESTATE	Uses 100% Of Available Space	Uses Up To 50% Less Space	
	BILL OF MATERIALS (BOM)	10-50 Components	3-7 Components	
	MATERIAL MANAGEMENT	High Number Of SKUs	Up To 90% Fewer SKUs	
	IN EVENT OF FAILURE	Scrap The Entire Board	Replace The Voltage Regulator/POL	
	DESIGN APPROACH	Limited To Component Library	Leverages Best Components Available For The Design	

Want to learn more about Voltage Regulators/POL products? [Check out our webpage.](#)

