

Power Design – Head to Head

OmniOn
POWER

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

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

DISCRETE  **VOLTAGE REGULATOR MODULE**

 Reliability

Greater Risk

Less Risk
IPC9592
Adherence

 Mean Time Between Failures (MTBF)

Designer Managed

Set & 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 & Delays

Power Design Completed & Verified by Manufacturer, Reducing Delay Risks

 Support & Troubleshooting

Multiple Suppliers & Vendors to Contact & 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)

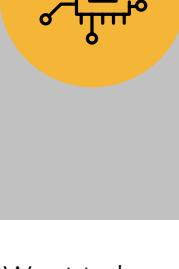
10-50 Components

3-7 Components

 Material Management

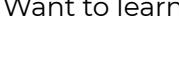
High Number of SKUs

Up to 90% Fewer SKUs

 In Event Failure

Scrap the Entire Board

Replace the Voltage Regulator/POL

 Design Approach

Limited Component Library

Leverages Best Components Available for the Design

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