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Mass Interconnect and Fixturing Solutions

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Mass InterConnect Solutions

...creating order out of wiring chaos

Advance planning and thorough design consideration can improve the overall test experience with a Mass InterConnect solution for the life of the deployed Automatic Test Equipment (ATE).



Dedicated to providing solutions for:





What is Mass Interconnect







Mass Interconnect Components





Creating Order Out of Wire Chaos

From Chaos.....



To Order







- Cable Management Issues
- Intense Mating Cycle Requirements
- Pairs Well with Switching
- Connects to Peripheral/Auxiliary Resources





VPC Maximizes ROI for Test Assets

 One-to-Many Test Configuration. A single receiver module configuration can be used to testmultiple units under tests









Cable Solutions



PCB Adapter Solutions



Pull-Thru Adapters



	CABLES	MASS INTERCONNECT WITH CABLES	MASS INTERCONNECT WITH PCBS OR FLEX CIRCUITS
Frequent Changeover Between DUTs	0	•	•
Optimized for Design and Characterization	•	0	0
Optimized for Verification and Validation (V&V)	\bigcirc	\ominus	\bigcirc
Optimized for Test Production	0	•	•
Signal Quality	\bigcirc	\ominus	•
Continuity of Performance (System to System)	\bigcirc	\bigcirc	•
Ease of System Maintenance and Upgradability	0	•	•
System Reconfiguration (vis-à-vis Scalability)	0	•	•
Ease of Duplication (vis-à-vis Global Deployments)	0	\bigcirc	•
Instrument to Module Pin Efficiency	0	•	\bigcirc
Repairability in the Field	•	•	0
Instrument Card Rev. Control Tolerance	•	•	0





Rugged and Easily Duplicated



"Help Me Avoid This Test Nightmare"





Sample PCB Solution – NI PXIe-2527







VPC Virginia Panel Corporation







Cabled 12 Module Solution with Slide Mount Kit







Application Examples

PCB Direct Connection to Instrument Card









Application Examples





High I/O Example 50 Module Solution









Customers can use our Mass Interconnect products regardless of their PXI module vendor.



VPC is continually improving technology and design to keep up with the demands of new high speed digital PXI modules

- PXIe-6591 (High Speed Serial Module) 10.31 Gbits/s
- PXIe-6592 (High Speed Serial Module) 12.5 Gbits/s
- PXIe-7902 (High Speed Serial FPGA Module) 12.5 Gbits/s





New PXIe Tech and Solutions



- All Metal Construction
 EMI Shielding
 - Rugged
- Oblong Cable exit
 - Maximize cable size
 - Braid termination
- Easy access
- Over 10,000 mates

High Powered Solutions

VPC has developed a new **High Power** contact that reaches up to **150 Amps** to meet your high current application requirements.

Virginia Panel Proprietary

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Let's Continue the Conversation!

Come by our table!

