



INTRODUCTION

Carlisle Interconnect Technologies (CarlisleIT), by virtue of vertical integration, can provide assembly solutions encompassing every facet of design and production. CarlisleIT understands every assembly is unique, with complex designs, multiple terminations and specialized connector configurations. Our in-house engineering expertise and quick-turn prototype capabilities keep us at the forefront of interconnection technology. CarlisleIT's assemblies deliver outstanding mechanical and electrical performance, while preserving signal integrity.

BENEFITS

- » Engineered custom solutions
- » In-house test capabilities:
 - » Time domain matching < 5 ps
 - » DC measurements through resistances as low as .01 Ω , Insulation Resistance to 500 M Ω and Hi-Pot to 1000 VDC
 - » Vibration/shock testing
- » AS9100 certified quality systems
- » Soldering certified to J Standards
- » Quick turn around times for custom design

CAPABILITIES

- » High density assemblies include mixed signal, DVI, Ethernet, 150 Ω Fiber Channel, high speed data, power, complex breakout assemblies, RF/Microwave assemblies and custom cable harnesses
- » Combinations of single, multi-wire, twinax, shielded twisted pair or coaxial cables
- » Termination of all common contacts and connectors
- » Wire and material management
- » Overmolding and injection molding
- » Time matching for delay skew to maximize signal integrity
- » Fine pitch termination
- » Custom housing design with sealed and low profile options
- » Common interconnects include, Mil Circular/38999, HM/HDM, SMP/SSMP, DVI/DVI-I, Twinax, Quadrax, Serial ATA, USB and RJ45/Ruggedized RJ45

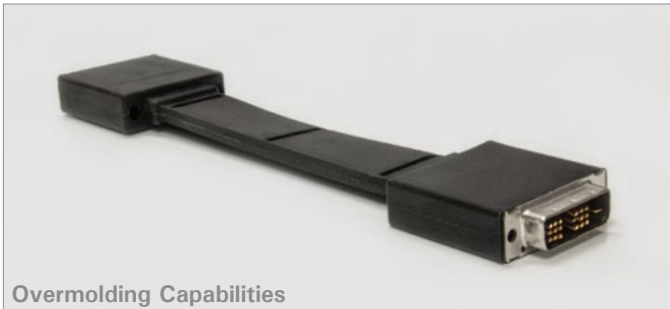
Capabilities



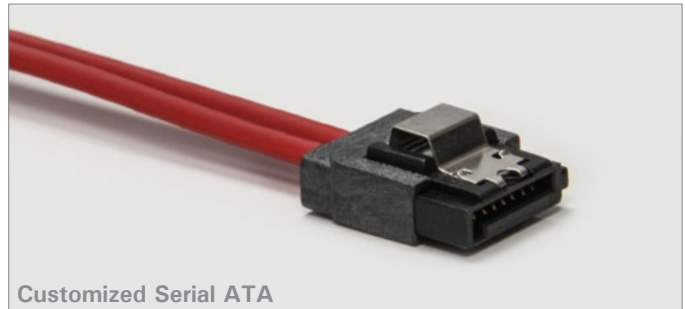
Right Angle Overmolding



Custom Backshell Capabilities



Overmolding Capabilities



Customized Serial ATA



Custom Coax, Twinax and Quadrax Jumpers



Assemblies with Stackable Wafers



Custom Cable Management Assemblies