

IPS (Integrated Product Solutions) Series

HIGH-SPEED CARD EDGE CABLE SOLUTIONS

Amphenol ICC's IPS series is an integrated cable solution for high-speed card edge connectors like PCIe®. Compared to the traditional card-to-board application, this will extend connection from simplified card-to-card to multiple gender options for connector-to-connector, connector-to-card or card-to-card configurations. IPS series enables a cost-effective upgrade in high speed signal transmission by eliminating additional cost in board redesign.

- Supports PCIe® 3.0, 4.0 and 5.0 specifications
- Multiple card edge connector options on both ends of the cable
- Easier to rework with cable by comparing with a card-to-board solution in certain applications



TARGET MARKETS



FEATURES

- Cable assembly solution
- Supports PCIe® 3.0, 4.0 and 5.0 specifications
- Support cable length up to 1 meter for PCIe® 3.0 solution, as well as twinax cable and laminated flat cable

BENEFITS

- Lower high-speed signal transmission loss
- High-speed cable solutions that are backward compatible
- Allows customized solutions to meet different customer application requirements

TECHNICAL INFORMATION

MATERIAL

- Receptacle Contact Finish: Receptacle – Gold plating
- Housing: High-temperature thermoplastic (UL 94V-0), black

ELECTRICAL PERFORMANCE

- Support PCIe® Gen 3

MECHANICAL PERFORMANCE

- Durability: Meet 25 cycles bending testing

ENVIRONMENTAL

- Storage Temperature: -40°C to +85°C
- Operating Temperature: -20°C to +70°C

SPECIFICATIONS

- Product Specification (PCIe® SMT Connector): GS-12-390
- Product Specification (PCIe® Straddle mount Connector): GS-12-1193

PACKAGING

- Anti-static bag

TARGET MARKETS/APPLICATIONS



Routers
Switches
Base Stations



Desktop PCs
Notebook PCs



Servers
Workstations



Embedded Systems

PART NUMBERS

Description	Part Numbers
IPS series x4 Gen 3 SMT PCIe® cable	10152693-101LF
IPS series x16 Gen 3 straddle mount PCIe® cable	10152728-101LF