

Features:

- Supports data speed from 6Gbps to 25Gbps per differential pair
- Provides 20 - 200 signal pin options for 66 differential pairs.
- Supports 85 ohm/92 ohm/100 ohm platforms.
- Vertical and Co-planar Card-Edge options.
- Provides 1.6mm and 2.36mm card gauge.
- TH power and SMT signal termination.
- Supports SAS, SATA PCIe(Gen3/4), XAUI and more.
- Cost benefit interconnect solution replacing pairs of male and female connectors.



Overview:

A 0.8 Pitch High-speed Signal and Power Hybrid Card-Edge Connector. The Cool Edge can provide tailor made solutions (carries 25Gbps Ethernet and 16Gbps PCIe, and single and signal altogether). With modular base tooling, the connector can be all power, all signal, or hybrid. The Cool Edge has balanced Signal Integrity Characteristics, such as a very low loss and cross-talk for LVDS at data rate 25-28Gbps or upto 56Gbps (PAM4).

Applications:

Datacom:

- Server
- Storage
- High-end computing

Networking:

- Switch
- Router

Telecom:

- 3G
- LTE network

Datacenter.

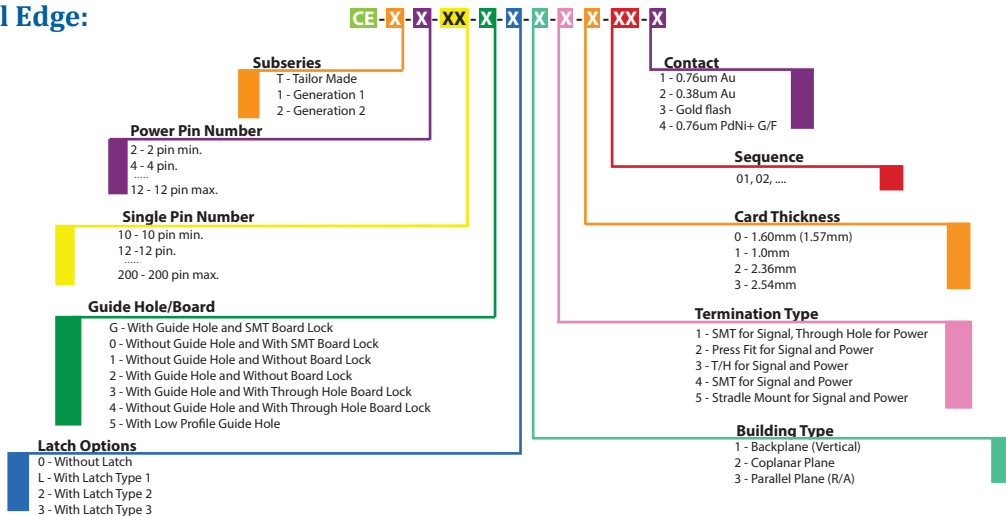


Technical Characteristics:

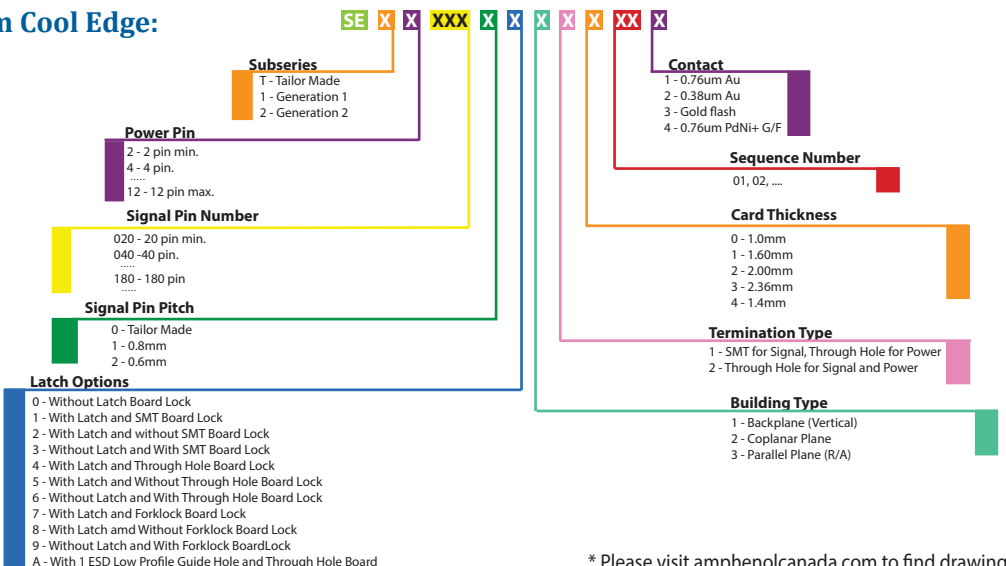
Material	
Housing	High temperature Thermoplastic black UL94 - V0
Contact	Copper Alloy
Latch	High Temperature Thermoplastic Black UL 94 - V0
Board Locks	<ul style="list-style-type: none"> • Copper Alloy • SPCC
Pickup Cap	Stainless steel
Mechanical	
Mating Force	25N max.
Unmating Force	5N min.
Electrical	
Current Rating for Power Pin	20A - 25A/Pin
Current Rating for Signal Pin	0.5A - 1.2A/Pin
Plating	
Contact	Copper Alloy, Nickel Underplated, Selective Gold on Mating Area
Board Lock	1.27 min. matte tin over 127 - 2.54 Um Nickel Underplated

Ordering Information:

Cool Edge:



Slim Cool Edge:



* Please visit amphenolcanada.com to find drawings for other products in this series.

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