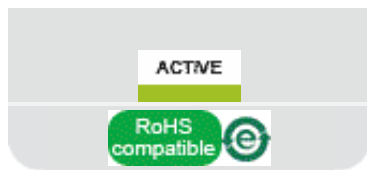


10018783-10103TLF - PCI
Express : x16 Vertical Card
Edge Connector, 164
Positions, 1 mm (0.039 in.)
Pitch



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Specifications

General	
Component Type	Vertical - Mount Connector, Solder Termination
Number of contacts (Total)	164 (x16)
Orientation (Features)	Plastic Post
Dimensional	
Thickness (Board)	1.56 mm (0.062 in.)
PCB Thickness (Add-In)	1.57 mm (0.062 in.)
Electrical	
Current rating	1.1 amps for 8 Specified Power Contacts and 8 nearest Ground Contacts
Resistance (Contact)	30 milli ohms max. (Initial) with 10 milli ohms max. change after Exposure Testing
Resistance (Insulation)	1000 M-ohms
Voltage rating	300V AC
Mechanical	
Durability (Mating cycles)	50
Withdrawal Force	0.15N minimum per Contact pair
Mating force	1.15N maximum per Contact pair 30 grams per Contact average
Mounting	
Solder process	Reflow Solder
Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	High - Temperature Nylon, Glass - Filled, UL94V-0
Plating (Contact area)	0.38 μm (15 $\mu\text{in.}$) Gold over 1.27 μm (50 $\mu\text{in.}$) Nickel
Plating (Solder area)	2.54 μm (100 $\mu\text{in.}$) Tin over 1.27 μm (50 $\mu\text{in.}$) Nickel
Temperature (Range)	-55°C to +85°C
Approvals / Certifications	
Approvals / Certifications	UL Approved
Other Features	
Packaging (Type)	Tray
Literature	950505-009