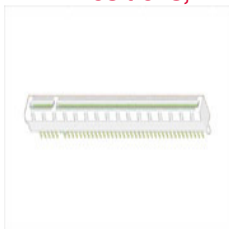


10018783-10203TLF - PCI Express : x16  
Vertical Card Edge Connector, 164  
Positions, 1 mm (0.039 in.) Pitch



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## Specifications

<b>Approvals / Certifications</b>	
Approvals / Certifications	UL Approved
<b>Mechanical</b>	
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
<b>Dimensional</b>	
Thickness (Board)	1.56 mm (0.062 in.)
PCB Thickness (Add-In)	1.57 mm (0.062 in.)
<b>Electrical</b>	
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
<b>General</b>	
Component Type	Vertical - Mount Connector, Solder Termination
Number of contacts (Total)	164 (x16)
Orientation (Features)	Plastic Post
<b>Mounting</b>	
Solder process	Reflow Solder
<b>Other Features</b>	
Packaging (Type)	Tray
Literature	950505-009
<b>Physical</b>	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	High - Temperature Nylon, Glass - Filled, UL94V-0
Plating (Contact area)	Gold Flash over 1.27 $\mu$ m (50 $\mu$ in.) Nickel
Plating (Solder area)	2.54 $\mu$ m (100 $\mu$ in.) Tin over 1.27 $\mu$ m (50 $\mu$ in.) Nickel
Temperature (Range)	-55°C to +85°C