VITA 67 Backplane Solutions

molex

High-density VITA 67 Backplane Solutions, with 4- and 8-port configurations incorporating 26.5 GHz SMPM interfaces, provide superior RF connectivity within Versatile Performance Switching (VPX) platforms

Features and Benefits

VITA 67 4-Circuit Backplane Interconnects and Cable Assembly

Aluminum version available
Offers a lightweight connector that supports portable applications

4- and 8-port blocks available
Support VPX backplane applications. Alleviate space constraints. Simplify cable management

Compact size
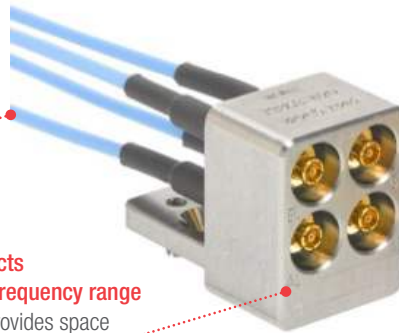About 6.10 +/- .001mm (.240 +/-.001") pitch to mitigate space constraints in crowded backplanes

Temp-Flex .047 and .086 extruded solid-core fluoropolymer (PFA) custom cable assemblies available
Provides end-to-end solution for customers requiring superior signal integrity performance. Delivers compactness and high-performance to meet stringent electrical requirements in military and industrial applications

Snap-in SMPM contacts with DC to 26.5 GHz frequency range
Subminiature design provides space savings. Suitable for a wide range of applications, from wireless to military

Applications

Aerospace and Defense
   RF board-to-board applications

Telecommunications / Networking
   Backplane
   High-density applications

Military Radar

Base Station

VITA 67 Backplane Solutions

molex

Specifications

REFERENCE INFORMATION
Packaging: Tray
Terminal Used: SMPM
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

ELECTRICAL
Voltage (max.): 325 Vrms @ Sea Level
Frequency: DC to 26.5 GHz
Contact Resistance:
    Center Contact (max.): 6 milliohms
    Outer Contact (max.): 2 milliohms
Dielectric Withstanding Voltage (min.): 500 Vrms
Insulation Resistance: 5000 Megohms

MECHANICAL
Insertion Force to PCB:
Mating Force: ≤ 150N
Unmating Force: ≥ 26N
Durability (min.): 500 Cycles
Physical
Housing: Stainless Steel
Contact: Beryllium Copper
Plating:
    Contact Area — Gold
    Underplating — Nickel
Operating Temperature: -55 to +85°C

Ordering Information

Series No.	Description
73300	SMPM VITA 67 Jack for Temp-Flex .086 Cable
	SMPM VITA 67 Jack for Temp-Flex .047 Cable
73358	4-Port Daughter (Stainless Steel or Aluminum)
	4-Port Midplane (Stainless Steel or Aluminum)
	8-Port Daughter (Stainless Steel or Aluminum)
	8-Port Midplane (Stainless Steel or Aluminum)

Custom Product	Description
Contact Molex	VITA 67 Cable Assemblies with Temp-Flex Cable

www.molex.com/link/vita67.html