

VITA 67 Backplane Solutions



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

Aluminum version available

Offers a lightweight connector that supports portable applications

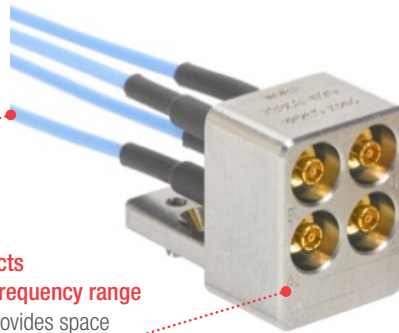


Temp-Flex .047 and .086 extruded solid-core fluoropolymer (PFA) custom cable assemblies available

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



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

VITA 67 4-Circuit Backplane Interconnects and Cable Assembly

Applications

Aerospace and Defense

RF board-to-board applications

Telecommunications / Networking

Backplane

High-density applications



Military Radar



Base Station

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