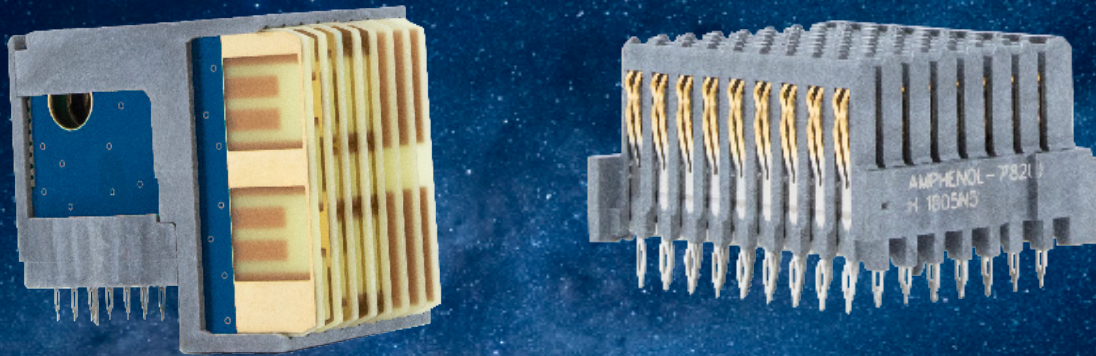


# VITA 78 SpaceVPX Connector

**Amphenol**  
Aerospace

PDS - 361



VITA 78 connectors, also known as SpaceVPX are specifically designed for use in space-based electronic systems. Amphenol's VITA 78 SpaceVPX connectors leverage OpenVPX architecture and technology and are designed and tested for extreme space environments, including exposure to radiation, extreme temperatures and vibration. SpaceVPX connectors utilize specific wafer loads per the VITA 78 spec to achieve dual redundancy to meet fault tolerance requirements for space systems.

## FEATURES & BENEFITS:

- Outgassing- third party testing – meets NASA and European Space Agency (ESA) outgassing requirements.
- Vibration- 4 point backplane contact system for extreme vibration applications.
- Compliant (press-fit) Pin Technology- tested with various PCB platings to verify performance and reliability.
- Current Capacity – power wafers and wafer configurations to support VITA 78 Space utility management modules.
- Extreme Temperature- tested to a temp range of -67 °F (-55 °C) to 221 °F (105 °C)
- Passed VITA 72 vibration testing with BER monitoring

# VITA 78 SpaceVPX Part Number Configurations

Please refer to the tables below:

VITA 78 SpaceUM 3U		
Position	Amphenol Part Number	Configuration Per VITA 78
P0	RVPX-P0824M2	Module 8
P1	RVPX-P1636M2	Module 16E
P2	RVPX-P1626M2	Module 16B

VITA 78 SpaceUM 6U		
Position	Amphenol Part Number	Configuration Per VITA 78
P0	RVPX-P0824M2	Module 8
P1	RVPX-P1625M2	Module 16A
P2	RVPX-P1626M2	Module 16B
P3	RVPX-P1627M2	Module 16C
P4	RVPX-P1628M2	Module 16D
P5	RVPX-P1625M2	Module 16A
P6	RVPX-P1626M2	Module 16B

# VITA 78 SpaceVPX Part Number Configurations

Please refer to the tables below:

VITA 78.1 PowerSX		
Position	Amphenol Part Number	Configuration Per VITA 78
P0	RVPX-P0837M2	Power SX P0
P1	RVPX-P1638M2	Power SX P1
P2	RVPX-P1639M2	Power SX P2

VITA 78.1 Power Supply		
Position	Amphenol Part Number	Configuration Per VITA 78
P0	RVPX-P08VM2	Standard P0 VITA 46 Load
P1, P2	RVPX-P1640M2	Power Supply P1

# VITA 78 SpaceVPX Part Number Configurations

Please refer to the tables below:

Plug-In Module Connector Designation	Part Number
Module 8	RVPX-P0824M2
Module 8A	RVPX-P0846M2
Module 16A	RVPX-P1625M2
Module 16B	RVPX-P1626M2
Module 16C	RVPX-P1627M2
Module 16D	RVPX-P1628M2
Module 16E	RVPX-P1636M2
Module 16F	RVPX-P1647M2
Module 16G	RVPX-P1648M2
Module 16H	RVPX-P1649M2
Module 16J	RVPX-P1650M2