



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

How to Order VITA 78 SpaceVPX

Please refer to the tables below:

VITA 78 SpaceUM 3U	
Amphenol Part Number	Configuration Per VITA 78
RVPX-P0824MX	Module 8
RVPX-P1636xx	Module 16E
RVPX-P1626MX	Module 16B

VITA 78.1 PowerSX	
Amphenol Part Number	Configuration Per VITA 78
RVPX-P0837xx	Power SX P0
RVPX-P1638xx	Power SX P1
RVPX-P1639xx	Power SX P2

VITA 78 SpaceUM 6U	
Amphenol Part Number	Configuration Per VITA 78
RVPX-P0824MX	Module 8
RVPX-P1625MX	Module 16A
RVPX-P1626MX	Module 16B
RVPX-P1627MX	Module 16C
RVPX-P1627MX	Module 16D
RVPX-P1625MX	Module 16A
RVPX-P1626MX	Module 16B

VITA 78 Power Supply	
Amphenol Part Number	Configuration Per VITA 78
RVPX-P08VMx	Standard P0 VITA 46 Load
RVPX-P1640xx	Power Supply P1