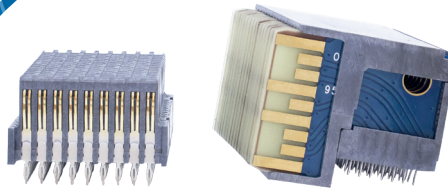


## R-VPX

### Ruggedized VITA 46 interconnect system



### Description

Amphenol Socapex R-VPX is a ruggedized, high-speed, board-to-board interconnect system capable of data rates in excess of 10 Gbps, meeting and exceeding VITA 46 standards. This connector system gives users modularity and flexibility by utilizing PCB wafer construction with customized wafer-loading patterns.

### Benefits

- Modular COTS lightweight connector system
- Ruggedized 4 points contact system
- Low mating force connector system
- Contact current rating 1.5 Amps
- Can be combined with high power modules, optical modules (VITA 66) and RF Modules (VITA 67)

### Features

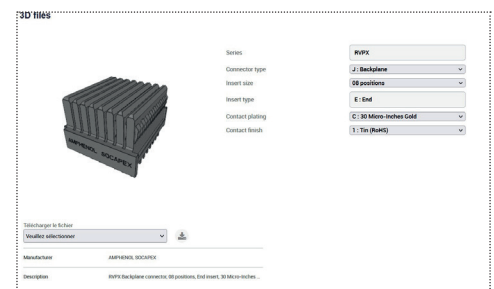
- Qualified to VITA 46 for OpenVPX applications
- Fully intermountable & intermateable to existing VITA 46 connectors
- Meets and exceeds VITA 47
- Supports Ethernet, Fiber Channel, InfiniBand, and other protocols

### Supported high-speed protocols

- 1000BASE-KX, 10GBASE-KX4, 10GBASE-KR10, 40GBASE-KR4
- InfiniBand SDR, DDR, and QDR
- PCIe Gen 1, 2, 3, 4 and 5
- Serial RapidIO 2.5, 3.125, 5, 6.25, 12.5 and 25 Gbaud

### Online configurator & 3D model download

You can define references according your needs and download directly 3D models in several formats on R-VPX product page in our website [www.amphenol-socapex.com](http://www.amphenol-socapex.com) or scan QR code :



### Markets



Commercial Aerospace



Military Aerospace



Electronic Systems /  
C5ISR



Ground Vehicle



Missiles



Space

# R-VPX

## Daughter card configuration: How to order

1.	2.	3.	4.	5.	6.
Connector Type	Gender	Size	Insert Type	Plating	Contact Finish
RVPX-	P	16	D	M	1

### 1. Connector Type

**RVPX-** Rugged High Speed Board

### 2. Gender

**P** Module

### 3. Size

**08** 8 Position Insert

**16** 16 Position Insert

### Daughter Card

Module Position		Part No. Amphenol R-VPX Connectors	
<b>P0</b>		RVPX-P08VCX*	RVPX-P08VMX*
<b>P1, P2, P3, P4, P5, P6</b>	<b>Differential</b>	RVPX-P16DCX*	RVPX-P16DMX*
	<b>Single-Ended</b>	RVPX-P16SCX*	RVPX-P16SMX*
<b>Keying Guide Modules</b>		RVPX-HMD-X**	RVPX-HMM-X**

\* Refer to Step 6 (Contact Termination Finish) to complete part number.

\*\* Contact us for available keying orientation

### 4. Insert type

**D** Differential

**S** Single-Ended

**P** Power

**V** Standard VITA 46 P0

### 5. Plating

**M** 50 Micro-Inches Gold

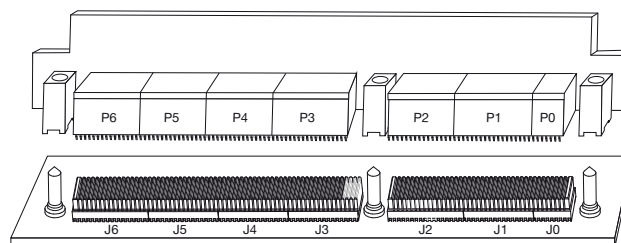
**C** 30 Micro-Inches Gold

### 6. Contact Termination Finish

**1** Tin ✓

**2** Tin-Lead

✓ RoHS compliant



## Backplane configuration: How to order

1.	2.	3.	4.	5.	6.
Connector Type	Gender	Size	Insert Type	Plating	Contact Finish
RVPX-	J	16	E	M	1

### 1. Connector Type

**RVPX-** Rugged High Speed Board

### 2. Gender

**J** Backplane

### 3. Size

**08** 8 Position Insert

**16** 16 Position Insert

### Backplane

Module Position		Part No. Amphenol R-VPX Connectors	
<b>J0</b>		RVPX-J08ECX*	RVPX-J08EMX*
<b>J1, J3, J4, J5</b>		RVPX-J16MCX*	RVPX-J16MMX*
<b>J2, J6</b>		RVPX-J16ECX*	RVPX-J16EMX*
<b>Keying Guide Modules</b>		RVPX-HDP-X**	RVPX-HPM-X**

\* Refer to Step 6 (Contact Termination Finish) to complete part number.

\*\* Contact us for available keying orientation

### 4. Insert type

**M** Middle

**E** End

### 5. Plating

**M** 50 Micro-Inches

**C** 30 Micro-Inches

### 6. Contact Termination Finish

**1** Tin ✓

**2** Tin-Lead

✓ RoHS compliant

