Amphenol SOCAPEX

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 or scan QR code :

Markets

Commercial Aerospace | Military Aerospace | C6ISR, Battlefield, Ground Vehicles | Missiles | Space

R-VPX

Daughter card configuration: How to order

1. Connector Type	2. Gender	3. Size	4. Insert Type	5. Plating	6. 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

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

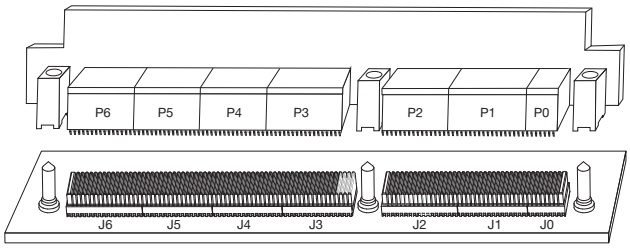
✓ RoHS compliant

Daughter Card

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

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

** Contact us for available keying orientation



Backplane configuration: How to order

1. Connector Type	2. Gender	3. Size	4. Insert Type	5. Plating	6. 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

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

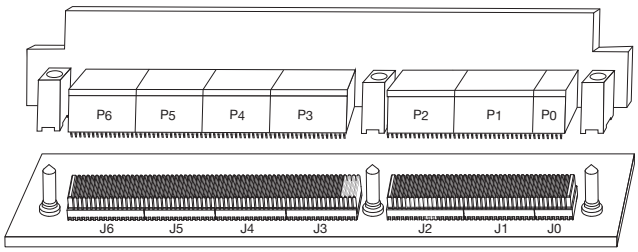
✓ RoHS compliant

Backplane

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

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

** Contact us for available keying orientation



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