VITA 57.4 FMC+ EXTENDER CARD

VITA 57.4-COMPLIANT FMC+ MODULE INCREASES BOARD-TO-BOARD SPACING OVER FPGA CARRIER CARDS

Engineers prototyping with industry-standard FPGA evaluation and development kits often leverage the FMC+ interface for I/O expansion that fits their application needs. In some cases, the mating height of the standard FMC+ connectors may prevent fully leveraging the connectivity options of all FMC+ modules.

In response to that need, Samtec has developed the FMC+ Extender Card for placement between FPGA Carrier Cards and FMC+ Modules. This increased space can be used for additional I/O expansion during development.

The FMC+ Extender Card also provides a cost-effective option for extending the life of the FPGA Carrier Card HSPC connectors used as test platforms.

FEATURES:

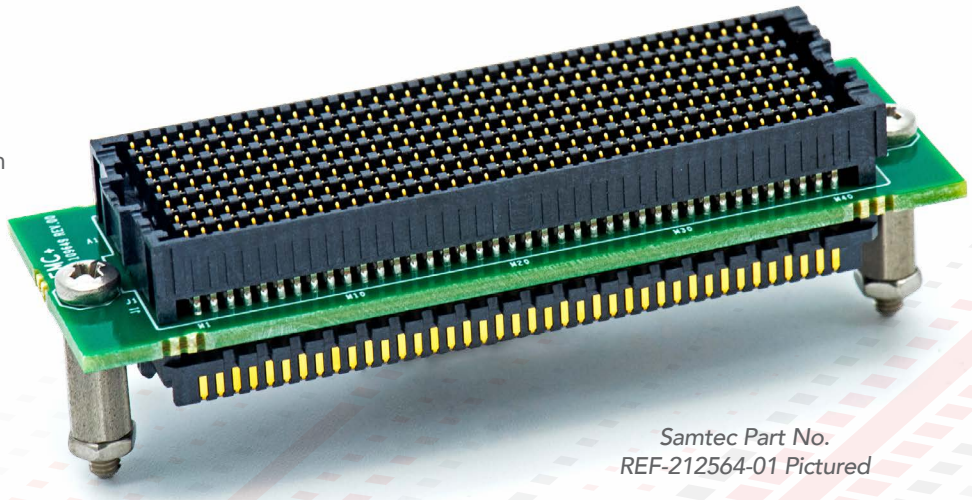
- High Serial Pin Count (HSPC) VITA 57.4 FMC+ male connector (Samtec P/N: ASP-184330-01)
- High Serial Pin Count (HSPC) VITA 57.4 FMC+ female connector (Samtec P/N: ASP-184329-01)
- Provides direct pass-through connectivity for all 560 pins from the HSPC male to HSPC female connectors
- Features optimized SI performance via Samtec Final Inch® BOR PCB trace routing for HSPC connectors

APPLICATIONS:

- FPGA development
- FPGA carrier card development
- FPGA carrier cards used in test platform
- High-speed ADCs and DACs
- Next generation RF connectivity

KIT INCLUDES:

- VITA 57.4 FMC+ Extender Card
- Quick Start Card



Samtec Part No.
REF-212564-01 Pictured

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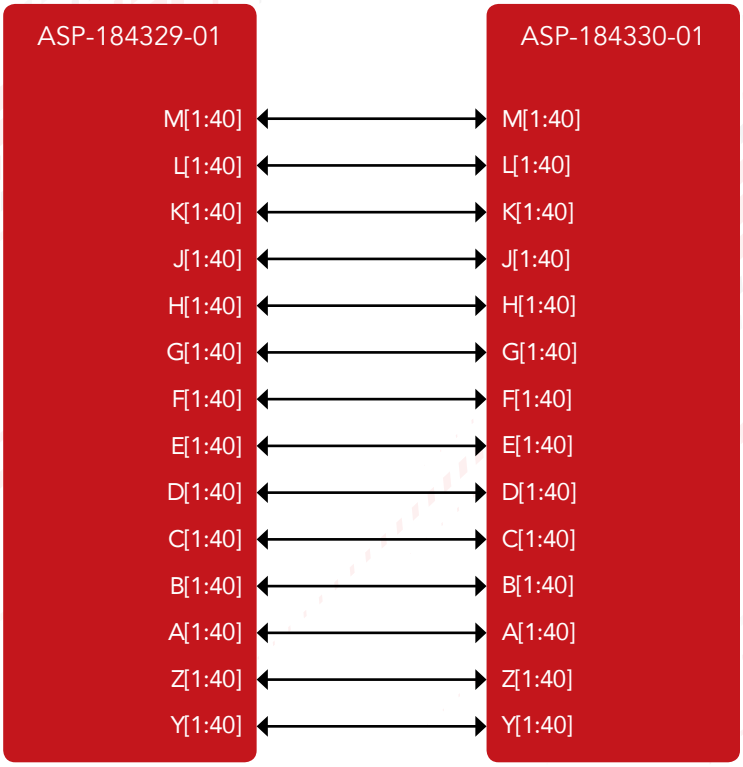
For additional information or support on your next generation FMC/FMC+ design,
please visit **www.samtec.com/fmcp-extender** or contact **KitsAndBoards@Samtec.com**.

- VITA 57.4 FMC+ form factor
- VITA 57.4 HSPC connectors (male and female)
- FMC+ I/O voltage: VADJ=1.2V, 1.5V, 2.5V or 3.3V (FPGA carrier card dependent)

VITA 57.4 FMC+ EXTENDER CARD BLOCK DIAGRAM



Note: Block diagram shows pin numbers and not signal names

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