VIDIO™
FMC Development Module

Providing the latest video interfacing for select Altera® Arria 10 development boards, featuring 12G SDI and IP up to 4Kp60

Features
Designed to support Altera Arria 10 FPGA and other development boards supporting the FMC HPC Standard
• Single FMC board supports SDI, Fiber, and IP
• Economical single channel solution
• Uses the latest 12G Texas Instruments® technology
• Full size 12G edge launch BNC connectors

Connections
• 4Kp60 SDI I/O, supports SD/HD/3G/6G/12G/Fiber
• 1G/2.5G/10G Ethernet/Video SFP+
• Bi/Tri Level Genlock, supports Blackburst

Applications
IP Gateways
• 270M-12G SDI
• 270M-12G Fiber

Converters
• 270M-SDI
• 1.5G SDI
• 3G SDI
• 6G SDI

Extenders
• SDI
• Fiber

Model Number - VIDIO-12G-A

Reference Design Available
• Schematics, Layout, Gerbers, and BOM
• Example Project

Block Diagram

12G SDI IN
Equalizer/Reclocker LMH1219
SERDES RX
SERDES TX

1G/10G SFP+
Reclocker/Driver LMH1218

12G SDI OUT
Sync Stripper LMH1981
HVF

Bi/Tri Genlock
Clock Generation LMH1983
Low Jitter Clock Generation LMK03328
FMC HPC Connector

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