12G Active Redriver with Linear Equalization for HDMI 2.1
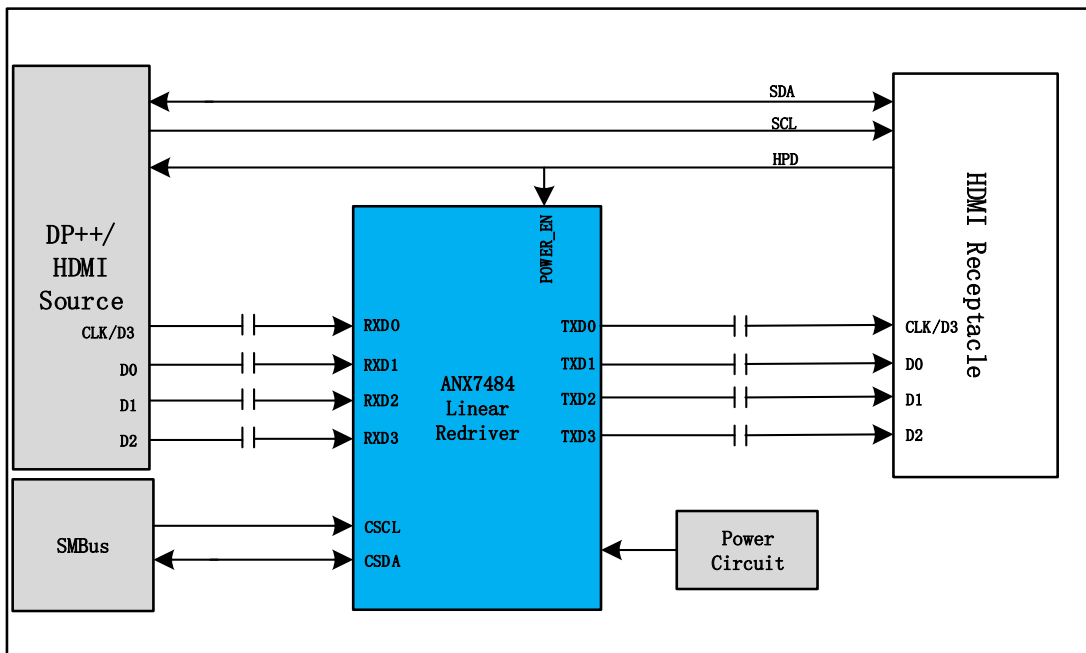
ANX7484 is a 4x4 redriver capable of transmitting HDMI 2.1 signaling at speeds of up to 12Gbps.   ANX7484 supports a high-gain bandwidth linear amplifier with Continuous Time Linear Equalization (CTLE). The CTLE equalizer can recover up to 12dB insertion loss at 12Gbps.

Features

- Built-in CTLE redrivers
    - Independent channel configuration
    - Loss compensation to recover up to -12dB channel loss @ 12Gbps
- Four lanes of HDMI 2.1 up to 12Gbps
    - Supports DP++
- Serial and debug interfaces
    - I²C Slave interface, up to 1MHz, for redriver configuration

- Industry standard compatibility for HDMI
- Low-power design
    - Analog power supply at 1.8V
    - I/O power supply at 1.8V
    - Core power supply at 1.2V
- Package
    - QFN-50, 4.7mm x 6.4mm, 0.90mm Z-height, 0.35mm pin-pitch
- Commercial temperature range of 0C to 70C

Applications

Notebooks, desktops, gaming PCs, workstations, active cables, gaming consoles, set-to boxes and accessories

Related Products

Part Number	Description
ANX7451	10G Active Mux (4x4) with Integrated Re-timers for USB3.2/DisplayPort
ANX7431	USB3.2 (10G) 1x2 Active Switch USB-C Re-timer
ANX7433	10G Active Mux (1x2) with Integrated Re-timer and CC Detection for USB 3.2
ANX7443	10G Active Mux (6x4) with Integrated Re-timers for USB3.2/DisplayPort
ANX7491	10G USB 3.2 Re-timer (1-Port)
ANX7497	DisplayPort 4-lane Re-timer

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