



We produce mixed-signal products for a better digital world.

PRODUCTS CATALOG



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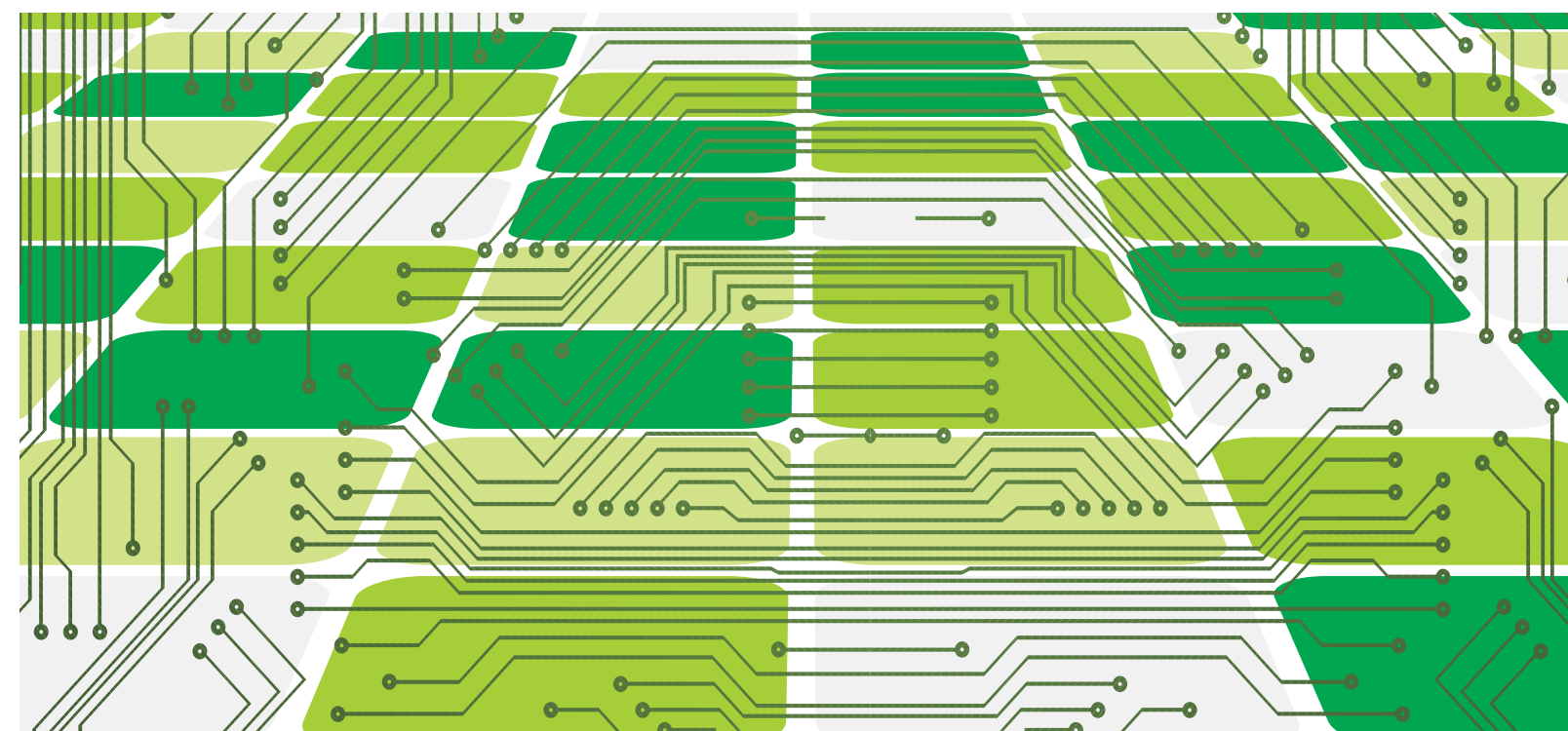
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LONTIUM SEMICONDUCTOR CORPORATION

2017.04

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COMPANY PROFILE

Lontium Semiconductor Corporation is a fabless design house established in 2006 with design centers, sales & support offices in the United States and China.

Lontium focuses on developing and marketing high-speed, mixed-signal interface chips, IPs, and SoCs targeted for high-definition multi-media applications. Based on ClearEdge technology, we strive to provide the best products and services for our customers worldwide. Our mission is to become a global high-speed, low-power mixed-signal chip and IP solution provider.

Our products include HDMI V1.3/V1.4/2.0 chipset, DisplayPort 1.2 chipset, USB 2.0, USB3.1 Type C chipset, MIPI chipset, LVDS chipset, VGA and LCD controller serving applications from PCs, notebooks, smartphones, TVs, monitors, automobiles to VR and accessories. Our high-speed interface IPs and a wide range mixed-signal IPs on leading edge manufacturing technology serve various SoC vendors worldwide.

As a member of HDMI, HDCP, VESA, MIPI and USB organization, Lontium works closely with industry leaders on technologies and standards, constantly invest on new technology and products to meet the ever increasing demand of digital media applications. We make better mixed signal products for a better digital world, it's happening now.



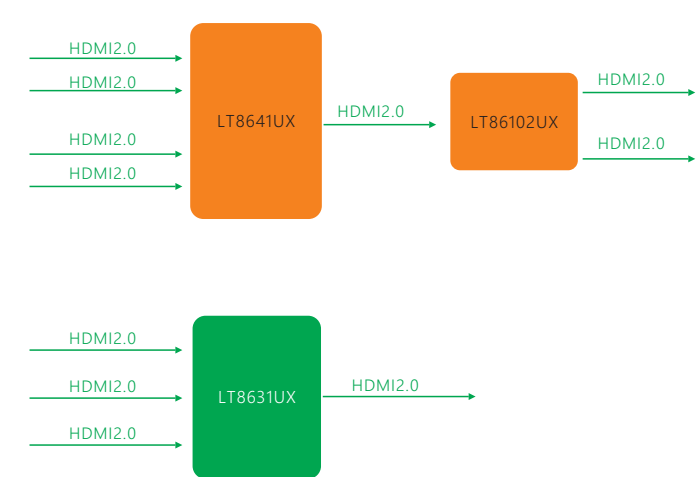
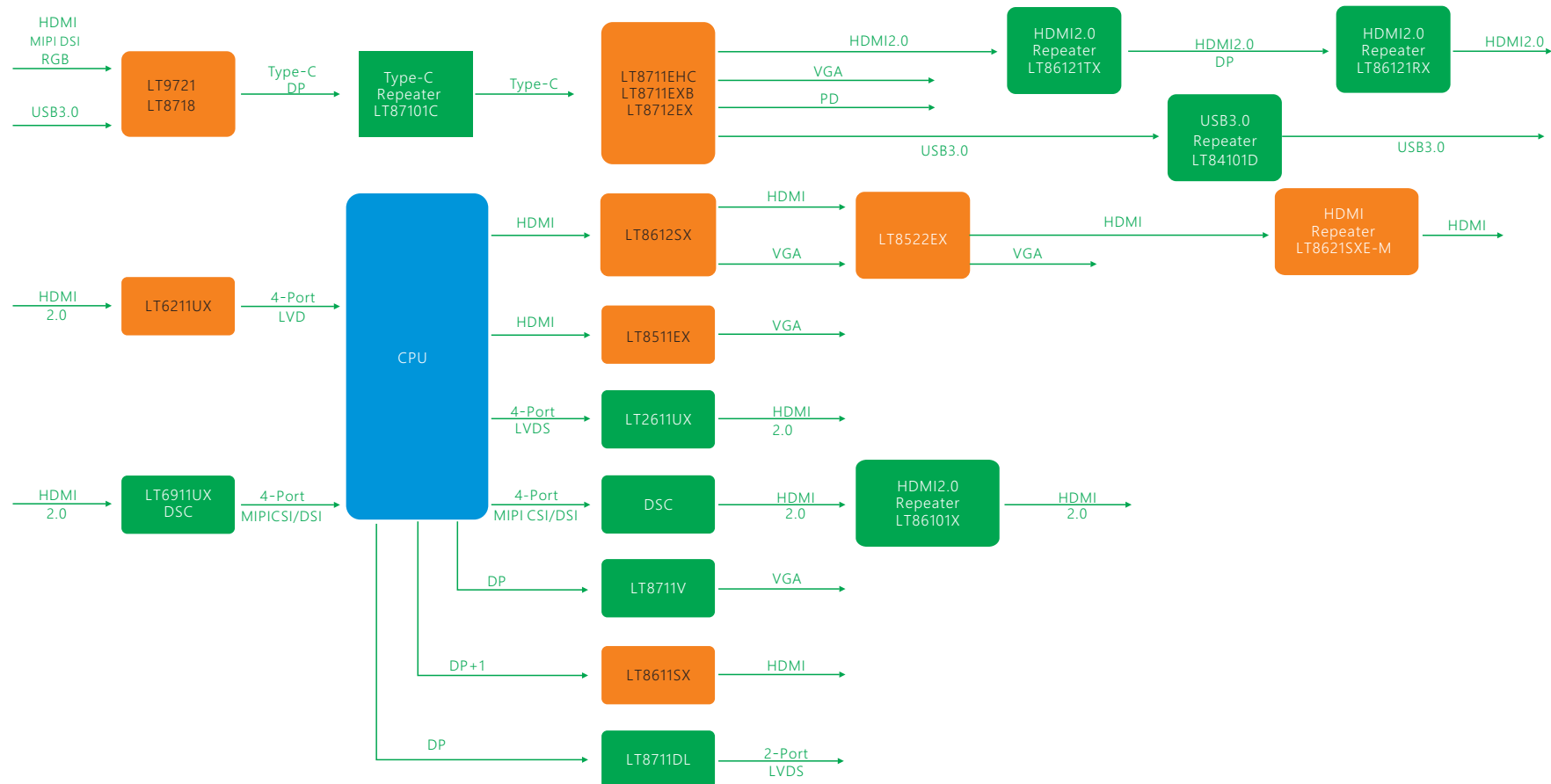
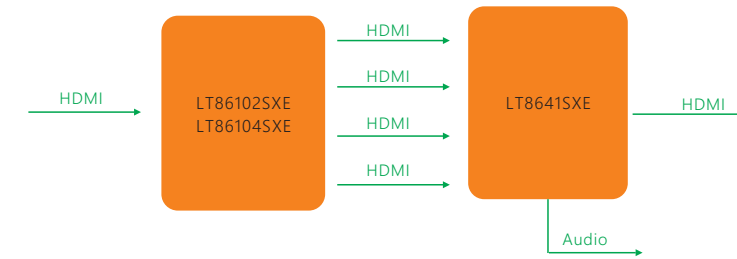
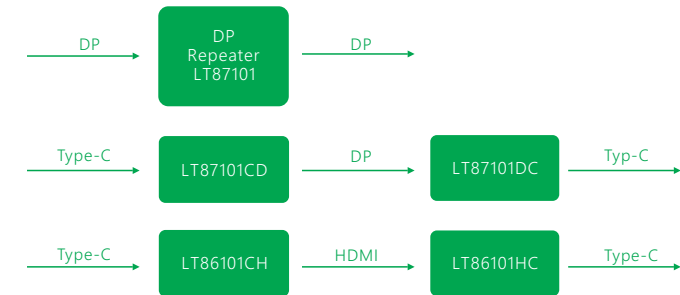
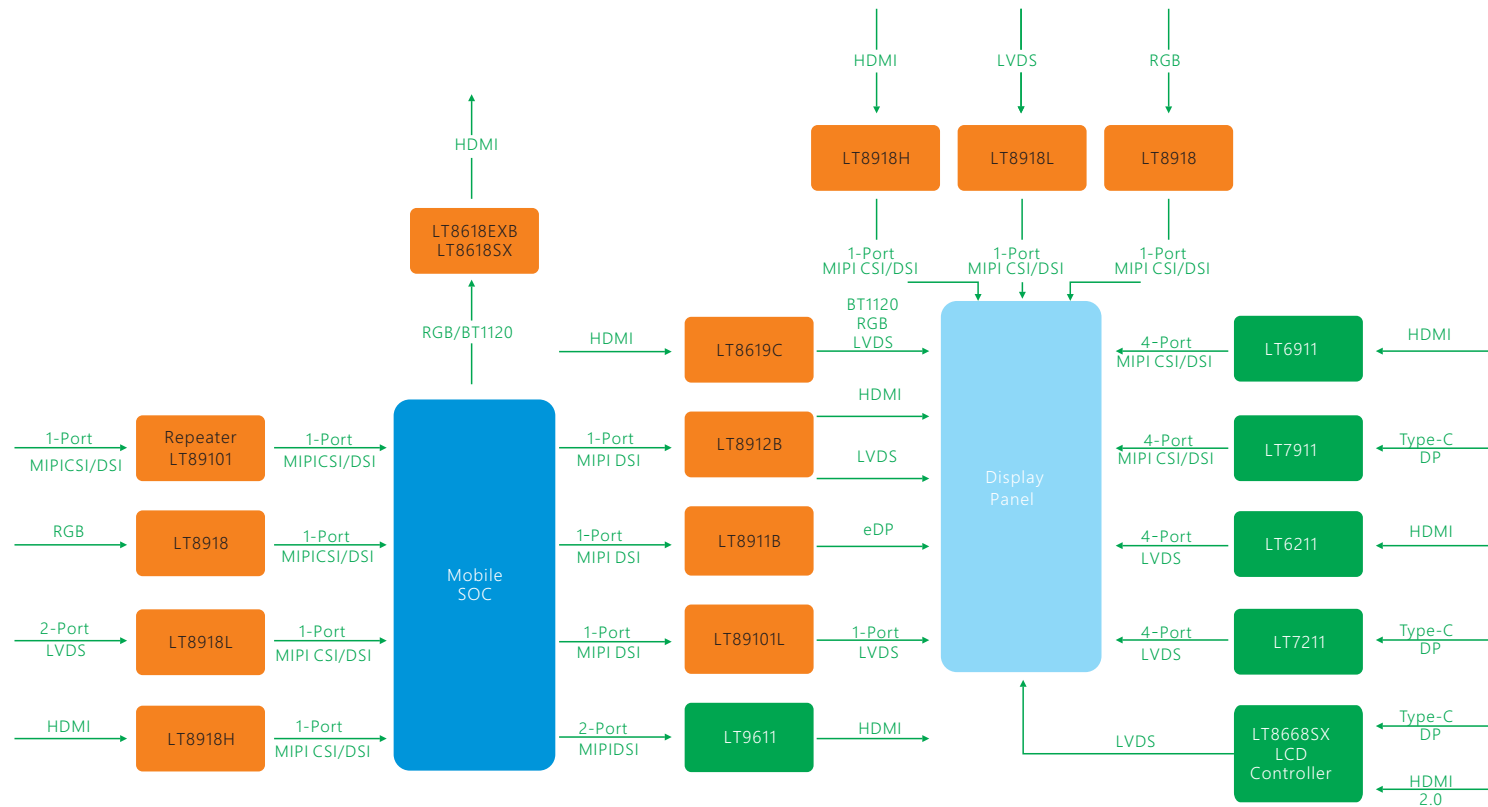
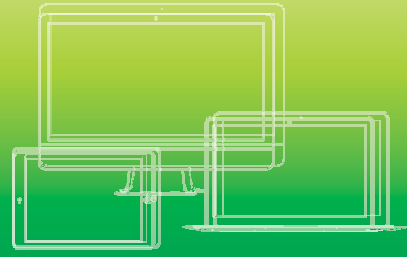
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of

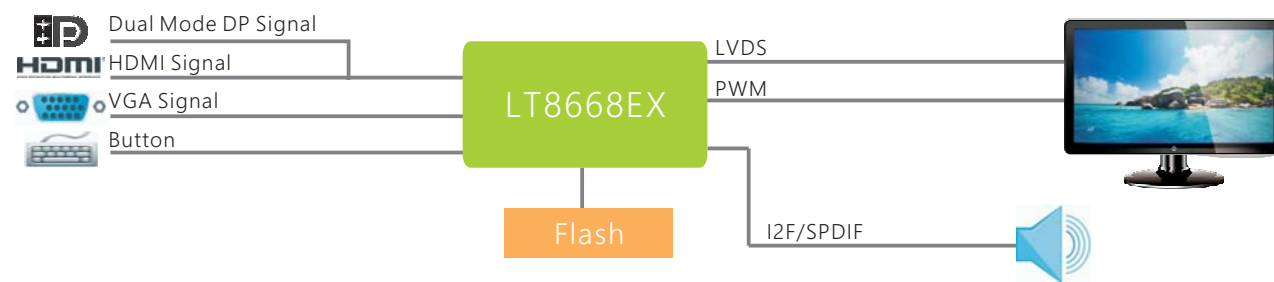


OVERVIEW



■ In Design ■ Mass Production

LT8668EX LCD Controller



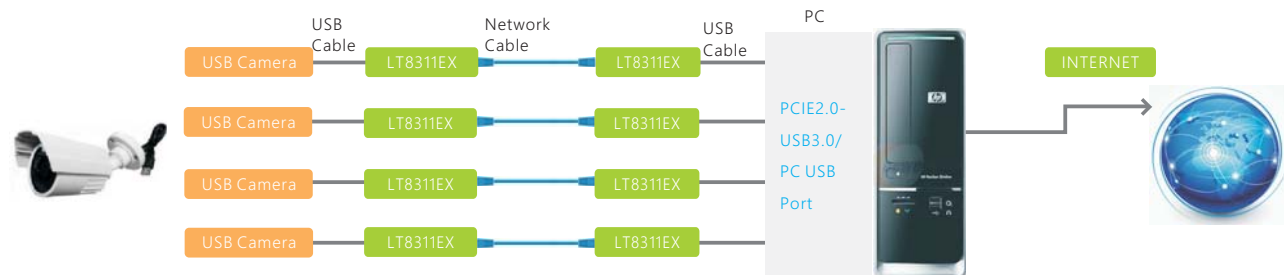
Features :

- ◆ Support HDMI 1.4 input with resolution up to 4Kx2K@30Hz
- ◆ Support 4-Port LVDS
- ◆ Support VGA resolution up to 1920x1200
- ◆ OSD, Scaler(4K and 2K resolution scaler bypass)
- ◆ Embedded MCU
- ◆ Support 8-channel I2S/SPDIF outputs
- ◆ PWM backlight control
- ◆ Quad LVDS channels support 4Kx2K panel

Applications:

- ◆ LCD monitor
- ◆ Smart TV

LT8311EX For Surveillance Camera & KVM



Features :

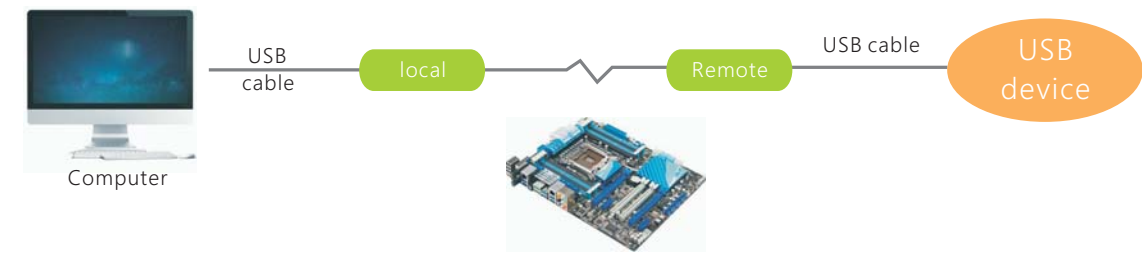
- ◆ Easy installation, low cost
- ◆ Plug & play, no extra video sampling card
- ◆ USB self-powered, don't need extra power adapter
- ◆ Up to 8 cameras supported per computer
- ◆ All the IP camera features apply here
- ◆ Fit family, small office and stores well
- ◆ Remote Intelligent control with bi-directional USB interface
- ◆ Seamless integration with IP based security systems
- ◆ Allows a USB device to have its cable length extended up to 100M

Applications:

- ◆ Surveillance
- ◆ KVM Extension

LT8311EX can be installed on the camera PCB to reduce product size

LT8311X USB2.0 Extender Solutions



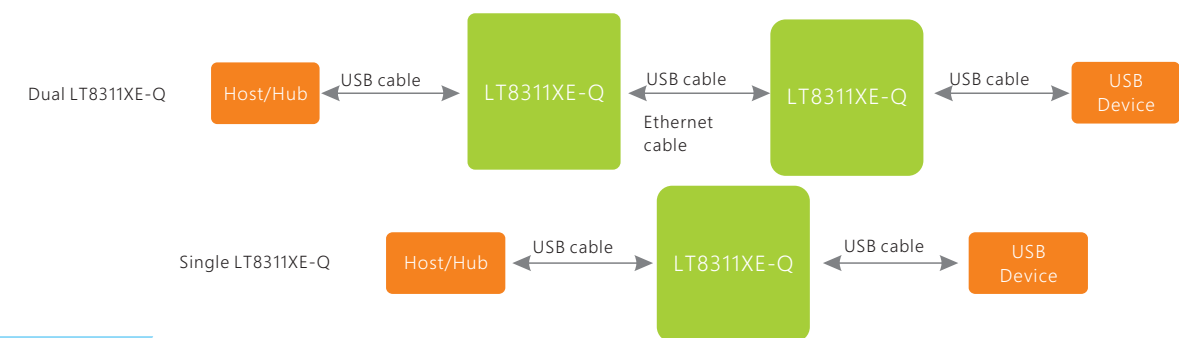
Features :

- ◆ Support for High-Speed (480Mb/s), full-speed (12 Mb/s) or low-speed (1.5 Mb/s) USB devices
- ◆ Support USB 2.0 device extend USB cable length up to 40M
- ◆ Support suspend/resume detection
- ◆ Support Hot Plug, single differential pair
- ◆ Low cost in comparison with extension of cable using Hubs or other USB extender
- ◆ No software driver required
- ◆ USB IF certification (Option)

Applications:

- ◆ KVM Extension
- ◆ Motherboard USB Repeater
- ◆ WEB-Camera USB Re-Driver
- ◆ Medical Device Connectivity

LT8311XE-Q USB2.0 Extender



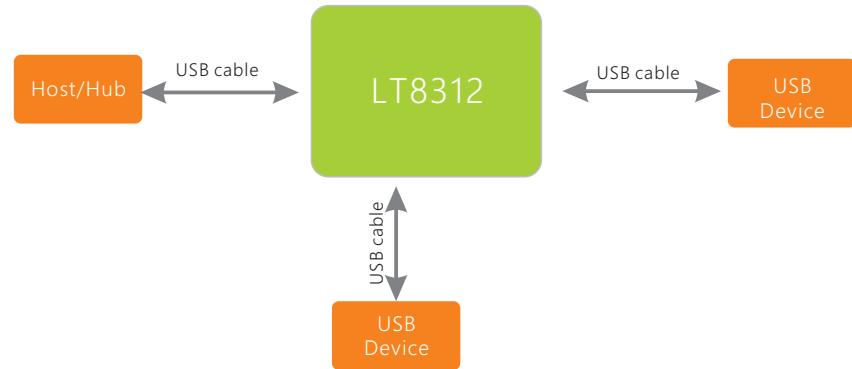
Features :

- ◆ Extension length up to 20m
- ◆ Support USB2.0 high speed and USB1.1 full/low speed
- ◆ Support hot plug
- ◆ I2C control and external pin control mode for equalization adjustment
- ◆ Single 3.3V power supply
- ◆ 16 pin QFN 4mmx4mm package with Epad
- ◆ -40°C to +85°C operating temperature range
- ◆ ESD: HBM to 2kV

Applications:

- ◆ PC Motherboard
- ◆ Data storage system
- ◆ Servers and workstation
- ◆ Car system
- ◆ KVM system

LT8312 USB2.0 Extender with DeMUX



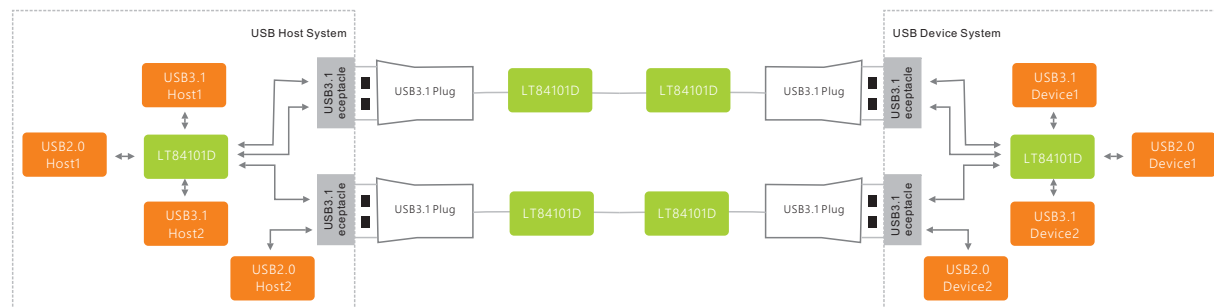
Features :

- ◆ One path for standard USB2.0 signal and the other path for USB2.0 signal extension
- ◆ Extension length up to 10m over USB cable
- ◆ Support USB2.0 high speed and USB1.1 full/low speed device
- ◆ Support hot plug
- ◆ I2C control and external pin control mode for equalization adjustment
- ◆ Single 3.3V power supply
- ◆ 20 pin QFN 4mmx4mm package with Epad
- ◆ -40°C to +85°C operating temperature range
- ◆ ESD: HBM to 2kV

Applications:

- ◆ PC Motherboard
- ◆ Data storage system
- ◆ Servers and workstation
- ◆ Car system
- ◆ KVM system

LT84101D Dual-Port USB3.1 Re-driver



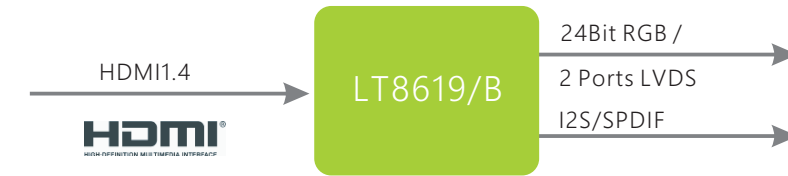
Features :

- ◆ Compatible with USB3.1 Gen-1 Specification
- ◆ Compatible with USB2.0 Specification
- ◆ Support 2-Port USB3.1 Gen-1 Operating
- ◆ Support Simultaneous Operating of Two Stand-alone Data Transfer with 5 Gb/s Data Rate for each USB3.1 Gen-1 Port
- ◆ Support One USB2.0 Port with 480 Mb/s Data Rate
- ◆ Support LFPS Detect and Rx Detect for USB3.1 Gen-1
- ◆ Support Squelch Detect for USB2.0
- ◆ Programmable Input Equalization
- ◆ Programmable Output Swing and De-emphasis
- ◆ Internal MCU and Flash for Online Firmware Upgrade
- ◆ Support External I2C Debug
- ◆ 1.8V/3.3V Dual Power Supply
- ◆ Packaged in 5mmx5mm QFN40

Applications:

- ◆ Smartphone, Tablet and Other Mobile Devices
- ◆ Digital TV and Data Storage
- ◆ VR/AR Helmet Display and Home Entertainment
- ◆ PC, Notebook, All-in-Ones Computer
- ◆ USB3.1 Cable Extender

LT8619/B HDMI1.4 full Receiver with scalar



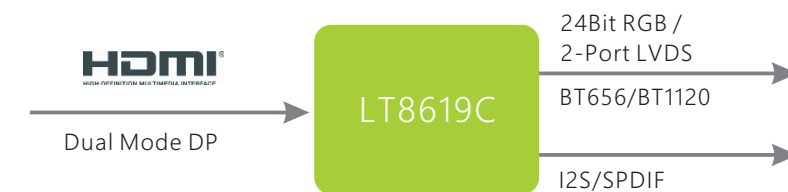
Features :

- ◆ Support HDMI1.4 input format
- ◆ Support HDCP function
- ◆ LT8619 output digital RGB 888, RGB666, RGB565 up to 4K resolution
- ◆ LT8619B output 2-Port LVDS or digital RGB 888, RGB666, RGB565 up to 4K resolution
- ◆ OSD and Scaler
- ◆ LT8619 support 8-channel I2S/SPDIF output
- ◆ LT8619B support 2-channel I2S/SPDIF output

Applications:

- ◆ Car Entertainment
- ◆ TV, Monitor
- ◆ Pico Projector
- ◆ Smart Projector

LT8619C HDMI1.4/Dual Mode DP Receiver(TTL)



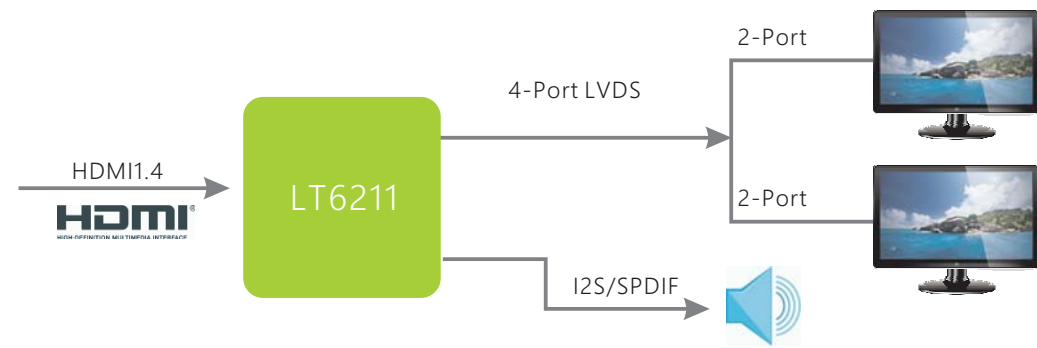
Features :

- ◆ Support HDMI1.4/Dual Mode DP input
- ◆ Support HDCP function
- ◆ Support resolution up to 4K
- ◆ Support RGB/YCbCr output
- ◆ Support Single/Dual Port LVDS output
- ◆ Support 8-channel I2S/SPDIF output
- ◆ Support BT656/BT1120 output
- ◆ Support DDR output

Applications:

- ◆ Car Entertainment
- ◆ TV
- ◆ Monitor
- ◆ Pico Projector
- ◆ Smart Projector

LT6211 HDMI1.4 Receiver(4-Port LVDS)



Features :

HDMI1.4 Receiver

- ◆ Compliant with HDMI1.4 and DVI1.0
- ◆ Support HDCP1.4

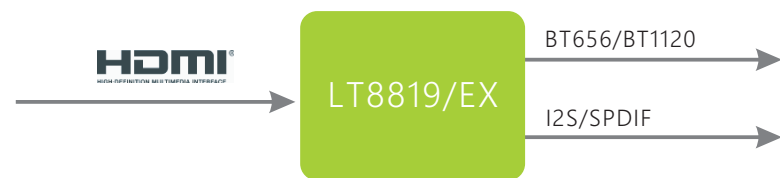
LVDS Transmitter

- ◆ Compatible with VESA and JEIDA standard
- ◆ 1/2/4 configurable port
- ◆ Maximum 1.2Gb/s per data lane
- ◆ Side-by-side 3D support

Applications:

- ◆ VR

LT8819/EX HDMI Receiver(BT656/BT1120)



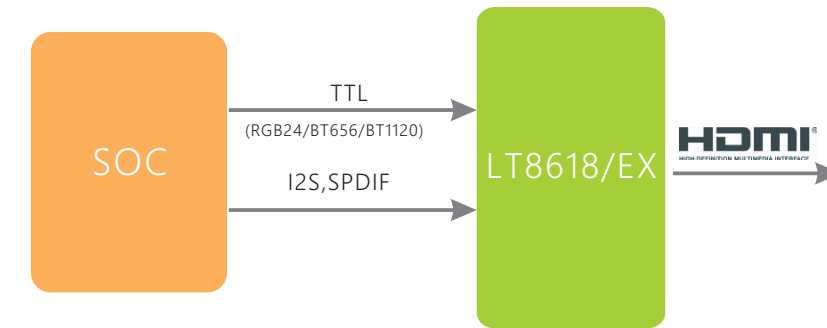
Features :

- ◆ HDMI to Digital BT656/BT1120 outputs
- ◆ Compliant with HDMI1.4
- ◆ Support HDCP function
- ◆ LT8819 support BT656 output formats: 480P and 576P
- ◆ LT8819EX support BT656/BT1120 output resolution up to 1080P
- ◆ BT656 output support 8-channel I2S/SPDIF output
- ◆ BT1120 output support 2-channel I2S/SPDIF output

Applications:

- ◆ Car Entertainment
- ◆ Mobile Receiver Devices
- ◆ Video Wall Controller
- ◆ Matrix

LT8618/EX HDMI 1.3/1.4 Transmitter(TTL)



Features :

- ◆ Compliant with HDMI 1.3/1.4 specifications
- ◆ Support HDCP function
- ◆ Support 4Kx2K resolutions, data rate up to 3.4Gbps
- ◆ Support RGB/BT656/BT1120(16Bit) input
- ◆ Support all HDMI resolutions
- ◆ Support 8-channel I2S/SPDIF input
- ◆ Low power consumption for mobile devices

Applications:

- ◆ DVD, BD
- ◆ IPTV Box
- ◆ Car Video Recorder
- ◆ HD Sources
- ◆ Video Wall Controller
- ◆ HDMI Matrix

LT8618SX HDMI1.4 Transmitter(TTL)



Features :

- ◆ Fully compatible with LT8618 and LT8618EX
- TTL Input**
 - ◆ Support 24-bit RGB, YUV and BT656/BT601/BT1120 Input
 - ◆ Support both SDR and DDR Data Sampling
 - ◆ Support both 1.8V and 3.3V Input Voltage Level
 - ◆ Support up to 148.5MHz DDR or 297MHz SDR Clock Input
- HDMI1.4 Transmitter**
 - ◆ Compliant with HDMI1.4
 - ◆ Support HDCP1.4
- Miscellaneous**
 - ◆ 1.8V/3.3V Power Supply
 - ◆ Support up to 8-channel I2S/SPDIF Input
 - ◆ Packaged in 7.5mmx7.5mm QFN64/9mmx9mm QFN64/12mmx12mm QFP80

Applications:

- ◆ Car Video Recorder
- ◆ HD Sources
- ◆ PTV Box
- ◆ DVD, BD

LT8511EX HDMI 1.4 to VGA Solutions

Features :

- ◆ Single-chip HDMI video processor, integrated equalizer to deliver the best signal quality
- ◆ Compliant with HDMI1.4, DVI 1.0, 8/10/12bit deep color and 4Kx2K, up to 3.4GHz data rate
- ◆ Support YCC to RGB and RGB to YCC conversion in ITU-R BT.601 and 709 color space
- ◆ Support pixel clock rate up to 300MHz up to 4Kx2K@30Hz resolution
- ◆ Power consumption: 5V 140mA
- ◆ HDMI cable support up to 10M, VGA cable support up to 30M
- ◆ Support 8-channel I2S/SPDIF input

Applications:

- ◆ Mobile Phone
- ◆ Tablet/Pad
- ◆ Ultra book
- ◆ Home Game Console
- ◆ PC/Graphic Card



LT8522EX/X HDMI & VGA Matrix Switch



Applications:

- ◆ Matrix Switch Box
- ◆ VGA to HDMI converter
- ◆ HDMI to VGA converter

Features :

- ◆ HDMI 1.4 (LT8522EX) input and VGA input, HDMI and VGA output, Matrix switch
- ◆ Compliant with HDMI1.4
- ◆ Support HDCP function
- ◆ Support all HDMI1.4 resolution formats
- ◆ Support 8/10/12bit deep color, 4Kx2K up to 3.4Gbps data rate
- ◆ Low power consumption(no needed extra power adapter)

LT8612/EX/X-M/SX HDMI To HDMI&VGA/YPbPr



Features :

- ◆ HDMI1.4 to HDMI 1.4 & VGA/YPbPr dual outputs
- ◆ Support HDCP function
- ◆ Support all HDMI1.4 resolution formats
- ◆ Support 8/10/12bit deep color, up to 3.4Gbps data rate
- ◆ Support 8-channel I2S and SPDIF outputs
- ◆ LT8612X-M with integrated MCU for space efficiency

Applications:

- ◆ Digital Signage
- ◆ PC, Laptop Mother Boards
- ◆ HDMI to VGA/YPbPr Dongle
- ◆ Car Entertainment System

LT86101SX/UX HDMI1.4 Repeater



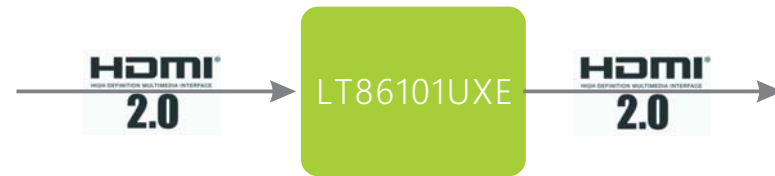
Features :

- ◆ Extend HDMI/Network Cable Length up to 50M
- ◆ Compliant with HDMI1.3 and HDMI1.4
- ◆ Support HDCP function
- ◆ Support HDMI resolution formats up to 3.4Gbps data rate
- ◆ Support cascade connection

Applications:

- ◆ Digital Signage
- ◆ Digital Home Theater
- ◆ Security Systems
- ◆ Multi-Media Public
- ◆ Broadcasting System

LT86101UXE HDMI2.0 Repeater



Features :

- ◆ Compliant with HDMI1.4/2.0 specification
- ◆ Support 3D video formats and 4Kx2K extended resolution formats up to 6.0Gbps data rate
- ◆ Support 8/10/12bit deep color
- ◆ Support 4Kx2K video up to 60Hz frame rate
- ◆ Adaptive equalization and de-emphasis to compensate long cable losses
- ◆ ODTs and calibration
- ◆ Unlimited cascading for more output ports or signal repeating
- ◆ Jitter cleaning PLL for better performance
- ◆ DC/AC coupled signal input/output

Applications:

- ◆ Multiple display/TV support
- ◆ DVI/HDMI cable-extender modules
- ◆ Cable assemblies
- ◆ TMDS cable equalizer

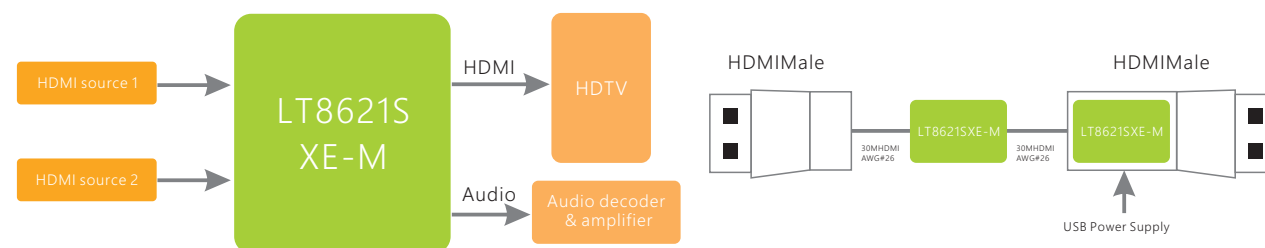
LT86101X HDMI1.4/2.0 Re-driver



Features :

- ◆ Compliant with HDMI1.4b and 2.0 Standard
- ◆ Support up to 6Gb/s Data Rates
- ◆ Integrate DDC Interception and CEC
- ◆ Support Hot-Plug Detect
- ◆ Support Only AC Coupled Interface
- ◆ Programmable Input Equalization, Output Swing and De-emphasis
- ◆ Internal MCU and Flash for Online Firmware Upgrade
- ◆ Support External I2C Debug
- ◆ 1.8V/3.3V Power Supply
- ◆ Packaged in 5mmx5mm QFN40

LT8621SX-E-M HdmI1.4/2.0 2 To 1 Switch With Repeater



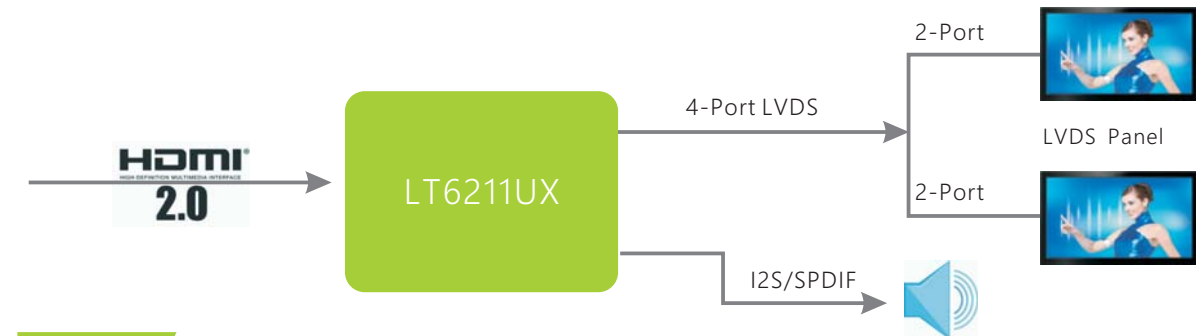
Features :

- ◆ 2 inputs 1 output HDMI1.4/2.0 switch, with TMDS signal repeater
- ◆ Support HDCP1.4
- ◆ HDMI resolution up to 4K@30Hz, 4K@60Hz(YCbCr 4:2:0)
- ◆ Support HDMI signal repeating through HDMI cable and CAT6 cable
- ◆ Support digital audio out that allow direct audio amplifier connection
- ◆ Support cascade connection for long distance repeating over 100 meters at 1080P
- ◆ Flexible cascading with either HDMI or CAT6 cable
- ◆ Small package and low power which allow device being embedded in HDMI connector
- ◆ Support 3D format
- ◆ Integrated MCU for area and BOM saving

Applications:

- ◆ HDMI Extender via Cat6/Cat7 Cable
- ◆ 30/60M HDMI Cable

LT6211UX HDMI2.0 Receiver(4-Port LVDS)



Features :

HDMI2.0 Receiver

- ◆ Compliant with HDMI2.0, HDMI1.4 and DV11.0
- ◆ Support HDCP2.2 and HDCP1.4
- ◆ Data rate up to 6Gbps
- ◆ Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

LVDS Transmitter

- ◆ Compatible with VESA and JEIDA standard
- ◆ 1/2/4 configurable port
- ◆ 1 clock lane and 4 configurable data lanes per port
- ◆ Maximum 1.2Gb/s per data lane
- ◆ Output color depth support 6-bit and 8-bit
- ◆ Side-by-side 3D support

LT2611UX HDMI2.0 Transmitter(4-Port LVDS)



Features :

LVDS Receiver

- ◆Compatible with VESA and JEIDA standard
- ◆1/2/4 configurable port
- ◆1 clock lane and 4 configurable data lanes per port
- ◆Maximum 1.2Gb/s per data lane
- ◆Output color depth support 6-bit and 8-bit

HDMI2.0 Transmitter

- ◆Compliant with HDMI 2.0, HDMI1.4 and DVI1.0
- ◆Support HDCP2.2 and HDCP1.4
- ◆Data rate up to 6Gbps
- ◆Support UHD 4k@60Hz(RGB and YCbCr4:4:4)
- ◆Side-by-side 3D support

Audio Input

- ◆Support SPDIF and 8-channel I2S audio input

LT9611UX HDMI2.0 Transmitter(4-Port MIPI CSI/DSI)



Features :

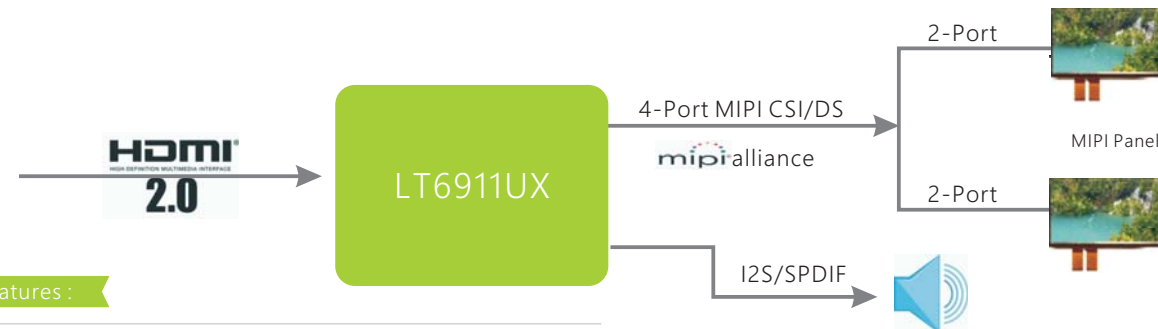
MIPI CSI/DSI Receiver

- ◆Compliant with DCS1.2, D-PHY1.2, DSI1.2, CSI-2 1.0
- ◆1/2/4 configurable port
- ◆80Mb/s~2.5Gb/s per data lane
- ◆Support RGB666, Loosely RGB666, RGB888, RGB565, 16-bit YCbCr4:2:2, 20-bit YCbCr4:2:2, 24-bit YCbCr4:2:2, 12-bit YCbCr4:2:0 video format
- ◆Support DSC1.1 decoder
- ◆Side-by-side 3D support

HDMI2.0 Transmitter

- ◆Compliant with HDMI2.0, HDMI1.4 and DVI1.0
 - ◆Support HDCP2.2 and HDCP1.4
 - ◆Data rate up to 6Gbps
 - ◆Support UHD 4k@60Hz(RGB and YCbCr4:4:4)
- #### Audio Input
- ◆Support SPDIF and 8-channel I2S audio input

LT6911UX HDMI2.0 Receiver(4-Port MIPI CSI/DSI)



Features :

HDMI2.0 Receiver

- ◆Compliant with HDMI2.0, HDMI1.4 and DVI1.0
- ◆Support HDCP2.2 and HDCP1.4
- ◆Data rate up to 6Gbps
- ◆Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

MIPI CSI/DSI Transmitter

- ◆Compliant with DCS 1.02, D-PHY 1.2, DSI 1.2, CSI-2 1.0
- ◆Support DSC1.1 encoder
- ◆1/2/4 configurable port
- ◆80Mb/s~2.5Gb/s per data lane
- ◆Support RGB666, Loosely RGB666, RGB888, RGB565, 16-bit YCbCr4:2:2, 20-bit YCbCr4:2:2, 24-bit YCbCr4:2:2, 12-bit YCbCr4:2:0 video format
- ◆Side-by-side 3D support

Audio Output

- ◆Support SPDIF and 8-channel I2S audio output

LT86121TX HDMI1.4/2.0 to DP1.4/HDMI1.4/2.0



Features :

HDMI2.0 Receiver

- ◆Compliant with HDMI2.0, HDMI1.4 and DVI1.0
- ◆Support HDCP2.2 and HDCP1.4
- ◆Data rate up to 6Gbps
- ◆Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

DP1.4 Transmitter

- ◆Compliant with VESA DP1.4 Standard
- ◆No HDCP encryption
- ◆1.62/2.7/5.4Gbps data rate
- ◆1/2/3/4 lanes
- ◆Support SSC
- ◆1Mbps AUX/USB
- ◆Support DSC1.2 encoder
- ◆Support UHD 4k@60Hz(RGB and YCbCr 4:4:4)

HDMI2.0 Transmitter

- ◆Compliant with HDMI2.0, HDMI1.4 and DVI1.0
- ◆No HDCP encryption
- ◆Data rate up to 6Gbps
- ◆Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

LT86121RX DP1.4/HDMI1.4/2.0 to HDMI1.4/2.0



Features :

DP1.4 Receiver

- ◆ Compliant with VESA DP1.4 Standard
- ◆ No HDCP decryption
- ◆ 1.62/2.7/5.4Gbps data rate
- ◆ 1/2/3/4 lanes
- ◆ Support SSC
- ◆ 1Mbps AUX/USB
- ◆ Support DSC1.2 decoder
- ◆ Support UHD 4k@60Hz(RGB and YCbCr 4:4:4)

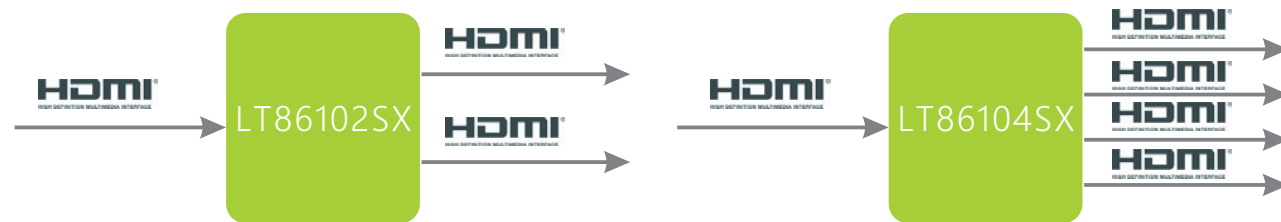
HDMI2.0 Receiver

- ◆ Compliant with HDMI2.0, HDMI1.4 and DVI1.0
- ◆ No HDCP decryption
- ◆ Data rate up to 6Gbps
- ◆ Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

HDMI2.0 Transmitter

- ◆ Compliant with HDMI2.0, HDMI1.4 and DVI1.0
- ◆ Support HDCP2.2 and HDCP1.4
- ◆ Data rate up to 6Gbps
- ◆ Support UHD 4k@60Hz(RGB and YCbCr4:4:4)

LT86102SX/LT86104SX HDMI1.3/1.4 Splitter



1 to 2, 1 to 4 HDMI Splitter

Features :

- ◆ HDMI1.3/1.4 1 to 2, 1 to 4 Splitter
- ◆ Support HDCP function
- ◆ Support HDMI resolution formats up to 3.4Gbps data rate
- ◆ Low power consumption

Applications:

- ◆ Digital Signage
- ◆ HDMI Matrix
- ◆ HDMI/DVI Splitter
- ◆ Video Wall

LT86102SXE/LT86104SXE HDMI1.4/2.0 Splitter with Jitter Clearing & Signal Repeating



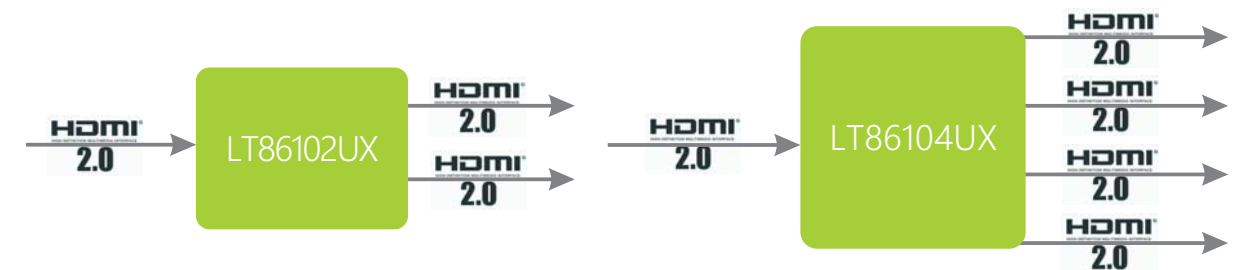
Features :

- ◆ HDMI1.4/2.0 1 to 2, 1 to 4 Splitter, and jitter clearing, signal repeating two chip in one
- ◆ Compliant with HDCP 1.4
- ◆ Best repeating performance up to 30 meters with #26 HDMI cable
- ◆ Support HDMI resolution formats up to 3.4Gbps data rate and 4Kx2K @60Hz YCbCr 4:2:0 format
- ◆ Low power consumption
- ◆ As HDMI repeater it can support very long input distance and output distance

Applications:

- ◆ Digital Signage
- ◆ HDMI Matrix, Repeater
- ◆ HDMI/DVI Splitter
- ◆ Video Wall

LT86102UX/LT86104UX HDMI 2.0 Splitter



Features :

- ◆ Compliant with HDMI1.4/2.0 specifications , 1 to 2, 1 to 4 Splitter
- ◆ Support 3D video formats and 4Kx2K extended resolution formats
- ◆ Adaptive equalization and de-emphasis to compensate long cable losses
- ◆ ODTs and calibration
- ◆ Integrated EDID shadow RAM and embedded EDID
- ◆ 5V-tolerant DDC interfaces
- ◆ Unlimited cascading for more output ports or signal repeating
- ◆ Jitter cleaning PLL for better performance
- ◆ DC/AC coupled signal input/output
- ◆ No need external crystal

Applications:

- ◆ Multiple display/TV support
- ◆ HDMI/DVI signal splitting/repeating

LT8631SX/UX HDMI1.4/2.0 3:1 Switch



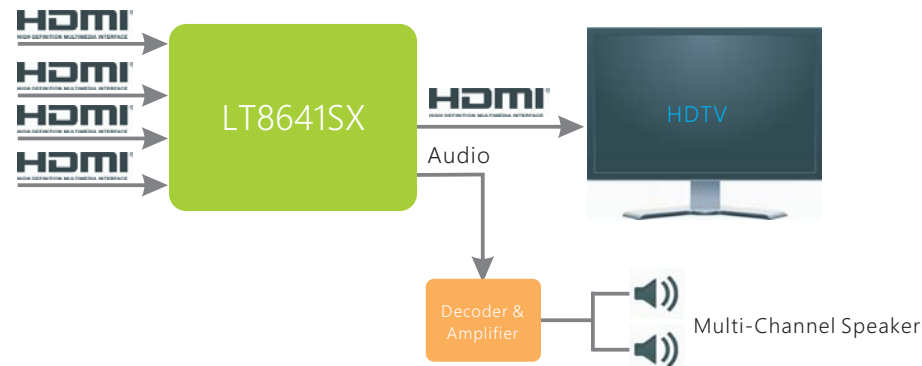
Features :

- ◆ 3 inputs, 1 output HDMI/DVI links
- ◆ Compliant with HDMI 1.4/2.0/DVI 1.0
- ◆ Support data rates up to 6Gbps, resolution up to 4K@60Hz
- ◆ Integrated HPD switch, DDC switch
- ◆ Source/Sink connection detection for flexible system management
- ◆ Adaptive equalization
- ◆ No external crystal needed

Applications:

- ◆ Front panel buffer for advanced television (HDTV) sets
- ◆ Standalone switcher
- ◆ Multiple input displays
- ◆ Projectors
- ◆ A/V receiver

LT8641SX HDMI1.3/1.4 Switch



Features :

- ◆ HDMI1.3/1.4 4 to 1 Switch
- ◆ Support HDCP function
- ◆ Support all HDMI1.4 resolution formats
- ◆ Support HDMI resolution formats up to 3.4Gbps data rate
- ◆ Support 8-channel I2S/SPDIF output
- ◆ Support ARC(Audio Return Channel)

Applications:

- ◆ Embedded TV Switch
- ◆ External HDMI Switch
- ◆ Digital Audio Amplifier

LT8641UX HDMI1.4/2.0 4:1 Switch



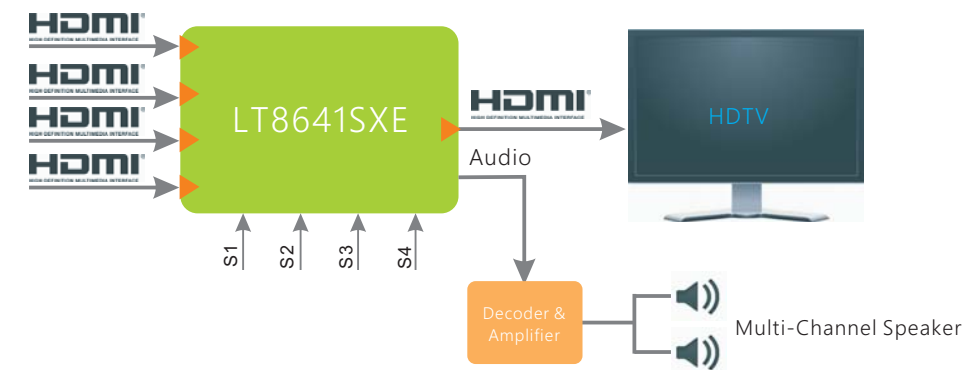
Features :

- ◆ Low cost HDMI1.4/2.0 3 to 1/4 to 1 HDMI Switch
- ◆ Support up to 4Kx2K@30Hz/4Kx2K@60Hz resolution
- ◆ Low power consumption

Applications:

- ◆ Embedded TV Switch
- ◆ External HDMI Switch

LT8641SXE HDMI1.4/2.0 Switch with Jitter Cleaning & Signal Repeating



Features :

- ◆ HDMI1.4/2.0 4 to 1 Switch, jitter cleaning and signal repeating two chip in one
- ◆ Best repeating performance up to 30 meters with #26 HDMI cable
- ◆ Support HDCP function
- ◆ Support all HDMI1.4/2.0 resolution formats
- ◆ Support HDMI resolution formats up to 3.4Gbps data rate and 4Kx2K @60HzYCbCr 4:2:0 format
- ◆ Support 8-channel I2S/SPDIF output
- ◆ Support ARC(Audio Return Channel)

Applications:

- ◆ Embedded TV Switch
- ◆ External HDM Switch
- ◆ Digital Audio Amplifier
- ◆ HDMI Matrix, Repeater

LT8644 16 Channel Cross-point Switch



Applications:

- ◆ Matrix Switch Box
- ◆ Digital Signage
- ◆ Video Broadcasting

Features :

- ◆ 16 differential channels, cross-point switch to any channel
- ◆ Support data rate up to 3.4Gbps
- ◆ Support both AC couple and DC couple mode
- ◆ Low power consumption

LT8611SX Dual Mode DP to HDMI/DVI Converter

Features :

- ◆ Support DP1.1/1.2 input and HDMI2.0 4K output
- ◆ Compliant DP1.1a interoperability with HDMI2.0 specification
- ◆ Support resolution up to 4Kx2K@30Hz and 4Kx2K@60Hz(YCbCr 4:2:0)
- ◆ Support Mac PC and notebook include Mac Book, Mac Pro, Mac Air, Mac Mini, MacBook Pro etc.
- ◆ Plug and Play technology don't need additional driver or setup



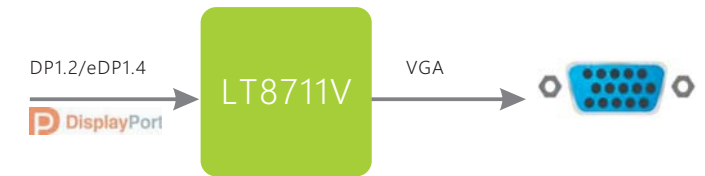
Applications:



LT8711V DP to VGA Converter

Features :

- ◆ Compliant with VESA Displayport v1.2 and VESA eDP v1.4
- ◆ Support 2 Main Link Lanes at either 1.62Gb/s or 2.7Gb/s link rate
- ◆ Support SSC up to 5% down-spread for EMI reduction
- ◆ Support HPD and 1MHz AUX channel
- ◆ VGA output compliant with VESA VSIS v1r2 specification
- ◆ Triple 8-bit DAC with clock up to 210-MHZ
- ◆ Embedded compensated circuits
- ◆ Support DAC connection detection
- ◆ Embedded MCU and flash
- ◆ DP AUX channel and IIC slave interface are available for firmware update and debug
- ◆ Embedded LDO
- ◆ Embedded Crystal
- ◆ Support single system voltage 3.3V
- ◆ Support Auto Power Saving and low stand-by current



Applications:

- ◆ Tablet PC, Notebook PC
- ◆ Dongle

LT8711DL DP to 2-Port LVDS

Features :

- ◆ Compliant with VESA Displayport v1.2 and VESA eDP v1.4
- ◆ Support 2 Main Link Lanes at either 1.62Gb/s or 2.7Gb/s link rate
- ◆ Support SSC up to 5% down-spread for EMI reduction
- ◆ Support HPD and 1MHz AUX channel
- ◆ 1-Port & 2-Port LVDS output interface
- ◆ Support single port and dual port, 6-bit and 8-bit LVDS output
- ◆ Flexible LVDS output pins swapping
- ◆ Support Spread-Spectrum clock to reduce EMI
- ◆ Support internal test pattern
- ◆ Embedded 1.5-to-3.3-V level shifter for PWM input
- ◆ Programmable LCD panel power sequence
- ◆ Blank panel during invalid input
- ◆ Embedded MCU and flash
- ◆ DP AUX channel and IIC slave interface are available for firmware update and debug
- ◆ Embedded LDO
- ◆ Embedded Crystal
- ◆ Support single system voltage 3.3V



Applications:

- ◆ Tablet PC, Notebook PC
- ◆ Panel Display

LT87101 DP1.2 Re-driver



Applications:

- ◆ PC
- ◆ Notebook
- ◆ All-in-Ones Computer
- ◆ Docking
- ◆ Home Entertainment
- ◆ DP Cable Extende

Features :

- ◆ Compliant with VESA DP1.2 Standard
- ◆ Support up to 5.4 Gb/s Data Rates
- ◆ Integrate AUX Interception
- ◆ Programmable Input Equalization, Output Swing and De-emphasis
- ◆ Internal MCU and Flash for Online Firmware Upgrade
- ◆ Support External I2S Debug
- ◆ 1.8V/3.3V Power Supply
- ◆ Packaged in 5mmx5mm QFN40

LT8711X-B Type-C/DP to VGA Converter with Audio



DP to VGA dongle



DP to VGA



Type-c to VGA+PD+U3

Features :

- ◆ Support Type-C/DP1.2 input, output VGA resolution up to 2K
- ◆ Support VGA, SVGA, XGA, SXGA and UXGA
- ◆ Plug and Play technology no need additional driver or setup
- ◆ Support 2-channel I2S and 8-channel SPDIF output
- ◆ Integrated CC controller, MCU, SPI Flash
- ◆ Support PD

Applications:

- ◆ Type-C/DP Docking Station
- ◆ Type-C/DP to HDMI dongle/adapter

LT8711H-C Type-C/DP to HDMI1.4 Converter

Features :

DP Receiver

- ◆ Compliant with DP1.2
- ◆ Compliant with HDCP 1.3
- ◆ Link rate 5.4/2.7/1.62Gbps (HBR2/HBR/RBR)1/2/4 lanes
- ◆ Integrated CC controller for USB type-C Alt Mode and PD
- ◆ 1Mbps AUX channel
- ◆ SST mode
- ◆ Equalizer

HDMI Transmitter

- ◆ Compliant with HDMI 1.4
- ◆ Compliant with DVI 1.0
- ◆ AC-couple capable
- ◆ Data rate up to 3.4Gbps
- ◆ FHD 1080p 60Hz 3D
- ◆ UHD 4k 30Hz
- ◆ Pre-emphasis
- ◆ Downstream RX sensing
- ◆ Output swing calibration
- ◆ 5V tolerance DDC/HPD I/Os
- ◆ Integrated MCU with embedded SPI flas



DP to VGA



Type-c to VGA+PD+U3

Applications:

- ◆ Type-C/DP Docking Station
- ◆ Type-C/DP to HDMI dongle/adapter

LT8712 Type-C/DP Docking Solutions



Features :

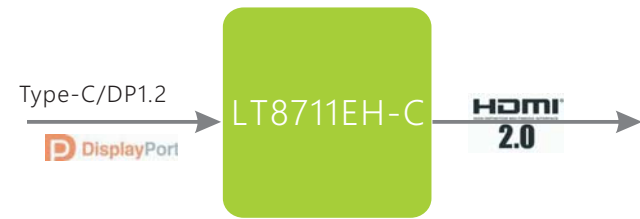
- ◆ Support Type-C/DP1.2 input and HDMI1.4 + HDMI1.4 + VGA output
- ◆ Support DP1.2
- ◆ Support MST mode for multiple displays
- ◆ Support resolution up to 4K@30Hz
- ◆ Support 8-channel I2S/SPDIF output
- ◆ Plug and Play technology no need additional driver or setup
- ◆ Integrated CC controller, MCU, SPI Flash
- ◆ Support PD

Applications:

- ◆ Multiple Display
- ◆ Multiple Panel
- ◆ Type-C/DP Docking
- ◆ Type-C/DP Adapte

LT8711EH-C

Type-C/DP1.2 to HDMI2.0 Converter



Applications:

- ◆ Docking Station
- ◆ Dongle

Features :

USB Type-C

- ◆ Compliant with DP Alt Mode 1.0, PD 2.0, Type-C 1.2, HDMI1.4b Alt Mode 1.0
- ◆ Dual CC controllers

DP Receiver

- ◆ Compliant with DP1.2 , HDCP1.3
- ◆ 1.62/2.7/5.4Gbps
- ◆ 1/2/4 lanes

Support SSC

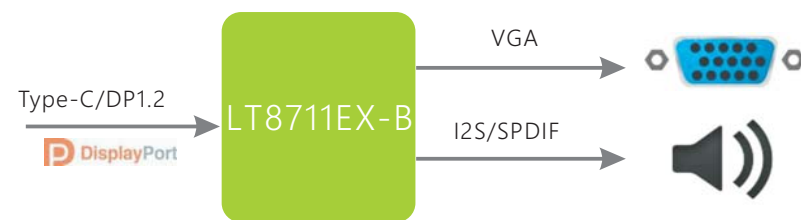
- ◆ 1Mbps AUX

HDMI Transmitter

- ◆ Compliant with HDMI2.0/1.4,DVI1.0,HDCP 2.2/1.4
- ◆ 6Gbps
- ◆ 4k@60Hz
- ◆ AC-couple capable

LT8711EX-B

Type-C/DP1.2 to VGA Converter with Audio



Applications:

- ◆ Docking Station
- ◆ Dongle

Features :

USB Type-C

- ◆ Compliant with DP Alt Mode 1.0, PD 2.0, Type-C 1.2
- ◆ Dual CC controllers

DP Receiver

- ◆ Compliant with DP1.2, HDCP1.3
- ◆ 1.62/2.7/5.4Gbps
- ◆ 1/2/4 lanes

Support SSC

- ◆ Support SSC

1Mbps AUX

Triple-Channel Video DAC

- ◆ Compliant with VSIS1.2
- ◆ 200MSPS
- ◆ Support CSC

YPbPr output capable

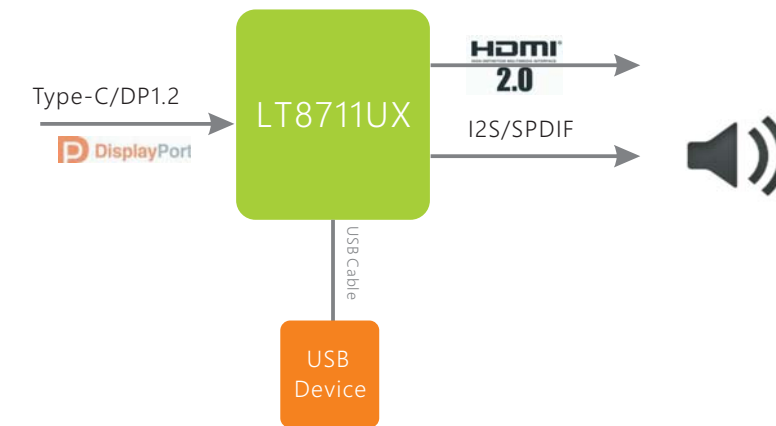
- ◆ Load sensing

Digital Audio Output

- ◆ I2S/SPDIF
- ◆ 8-channel LPCM or compressed audio
- ◆ 192kHz

LT8711UX

Type-C/DP1.2 to HDMI2.0 Converter with Audio&USB3.0 Switch



Applications:

- ◆ Docking Station
- ◆ Dongle

Features :

USB Type-C

- ◆ Compliant with DP Alt Mode 1.0, PD 2.0, Type-C 1.2, HDMI1.4b Alt Mode 1.0
- ◆ Dual CC controllers
- ◆ High speed switch

DP Receiver

- ◆ Compliant with DP1.2, HDCP1.3
- ◆ 1.62/2.7/5.4Gbps
- ◆ 1/2/4 lanes

Support SSC

- ◆ Support SSC

1Mbps AUX

HDMI Transmitter

- ◆ Compliant with HDMI2.0/1.4, DVI1.0, HDCP2.2/1.4
- ◆ 6Gbps
- ◆ 4k@60Hz

AC-couple capable

- ◆ AC-couple capable

Digital Audio Outputs

- ◆ I2S/SPDIF
- ◆ 8-channel LPCM or compressed audio
- ◆ 192kHz

LT8712EX

Type-C/DP1.2 to HDMI2.0*2&VGA Converter with Audio



Features :

USB Type-C

- ◆ Compliant with DP Alt Mode 1.0, PD 2.0, Type-C 1.2, HDMI1.4b Alt Mode 1.0
- ◆ Dual CC controllers

DP Receiver

- ◆ Compliant with DP1.2, HDCP1.3
- ◆ 1.62/2.7/5.4Gbps
- ◆ 1/2/4 lanes

Support SSC

- ◆ Support SSC

1Mbps AUX

SST/MST

- ◆ Dual HDMI Transmitters
- ◆ Compliant with HDMI2.0/1.4, DVI1.0, HDCP2.2/1.4

- ◆ 6Gbps
- ◆ 4k@60Hz
- ◆ AC-couple capable

AC-couple capable

Triple-Channel Video DAC

- ◆ Compliant with VSIS1.2
- ◆ 200MSPS
- ◆ Support CSC

YPbPr output capable

- ◆ Load sensing

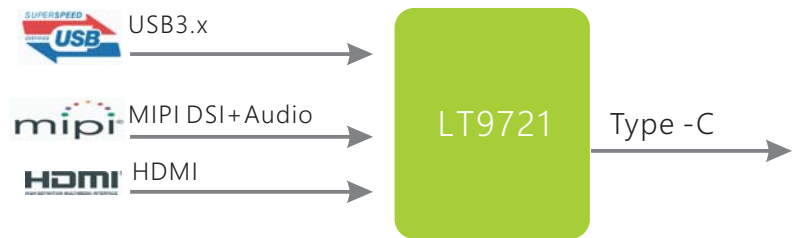
Digital Audio Output

- ◆ I2S/SPDIF
- ◆ 8-channel LPCM or compressed audio
- ◆ 192kHz

Applications:

- ◆ Docking Station
- ◆ Dongle
- ◆ Video Hub

LT9721 MIPI DSI/HDMI to DP with Type-C Switch



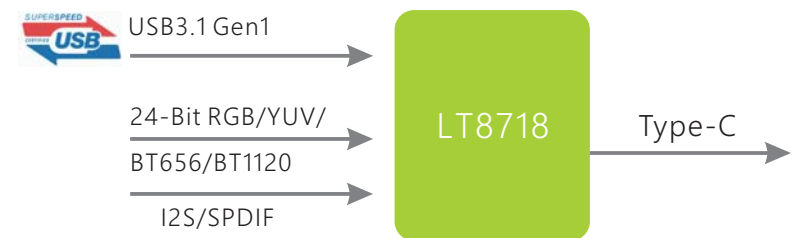
- Applications:
- ◆ Smart Phone
 - ◆ PAD/Tablets
 - ◆ Digital video cameras
 - ◆ Digital still cameras

Features :

- ◆ Single-Port MIPI DSI receiver up to 1080P@60Hz for RGB format and 4K@30Hz for YUV420 format
- ◆ HDMI1.4 receiver up to 4Kx2K@30Hz for RGB format and 4Kx2K@60Hz for YUV420 format
- ◆ DP 1.2 Transmitter up to 4Kx2K@60Hz
- ◆ USB Type-C output interface



LT8718 RGB to DP with Type-C Switch



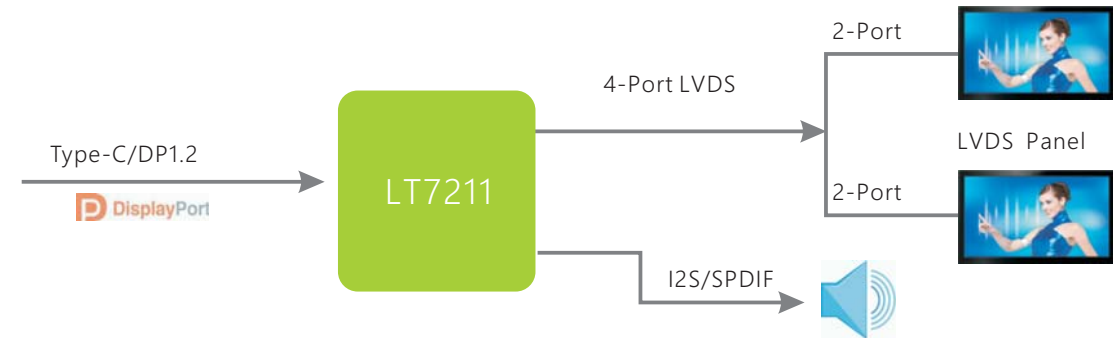
- Applications:
- ◆ Mobile systems
 - ◆ Cellular handsets
 - ◆ Digital video cameras
 - ◆ Digital still cameras

Features :

- ◆ 24-bit RGB/YUV and BT656/BT1120 input
- ◆ Resolution up to 4Kx2K@30Hz
- ◆ Resolution up to 4Kx2K@60Hz for YCbCr4:2:0
- ◆ DP 1.2 transmitter up to 4Kx2K@60Hz
- ◆ USB Type-C output interface



LT7211 Type-C/DP to 4-Port LVDS

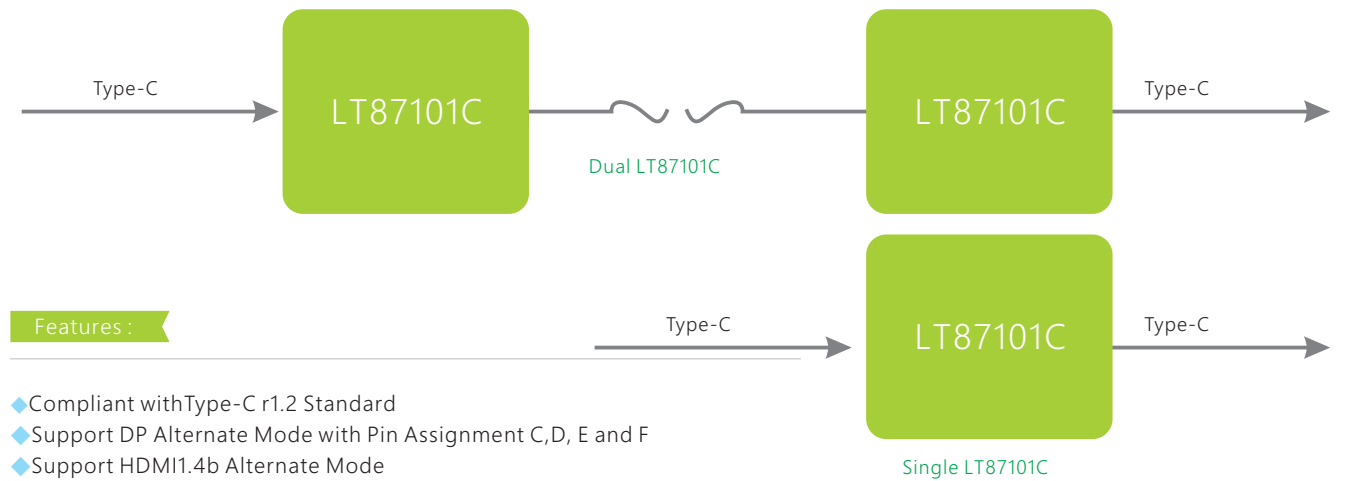


Features :

- Type-C/DP1.2 Receiver
- ◆ Compliant with DP1.2 for 1.62Gb/s, 2.7Gb/s, 5.4Gb/s, up to 4K@60Hz
 - ◆ 1/2/4 configurable lane
- LVDS Transmitter
- ◆ Compatible with VESA and JEIDA standard
 - ◆ 1/2/4 configurable port
 - ◆ Maximum 1.2Gb/s per data lane
 - ◆ Side-by-side 3D support

- Applications:
- ◆ VR

LT87101C Type-C Re-driver

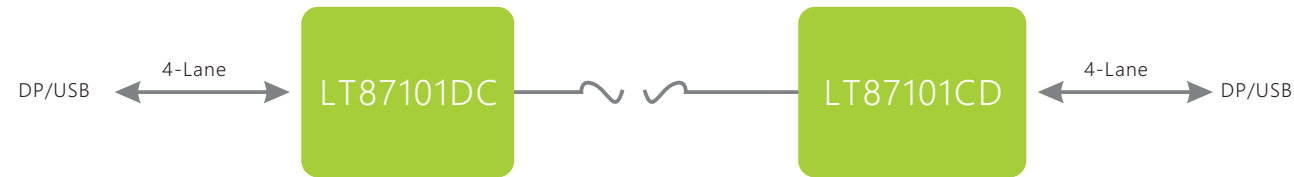


Features :

- ◆ Compliant with Type-C r1.2 Standard
- ◆ Support DP Alternate Mode with Pin Assignment C, D, E and F
- ◆ Support HDMI1.4b Alternate Mode
- ◆ Support CC Interception via USB PD2.0
- ◆ Support SOP/SOPC communication
- ◆ Support up to 5.4 Gb/s Data Rates
- ◆ Integrate AUX Interception
- ◆ Programmable Input Equalization
- ◆ Programmable Output Swing and De-emphasis
- ◆ Internal MCU and Flash for Firmware Upgrade
- ◆ Support External I2C Debug
- ◆ 1.8V/3.3V Power Supply
- ◆ Packaged in 5mmx5mm QFN40

- Applications:
- ◆ Smartphone, Tablet and Other Mobile Devices
 - ◆ VR/AR Helmet Display and Home Entertainment
 - ◆ PC, Notebook, All-in-Ones Computer
 - ◆ Active Type-C EMCA Cable

LT87101DC/LT87101CD DP to Type-C/Type-C to DP Converter



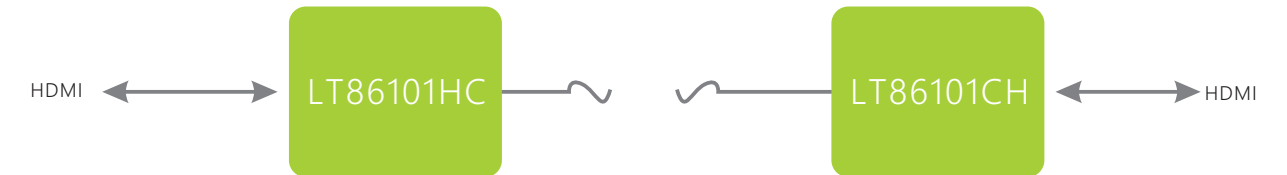
Features :

- ◆ Compliant to VESA DP1.2, USB3.1 Gen-1, Type-C r1.2, USB PD2.0 and DP Alt Mode v1.0 Standards
- ◆ Support either Pin Assignment C/E or Pin Assignment D/F, but Not Simultaneously
- ◆ Support Hot-Plug Detect for DP Input Interface
- ◆ Integrate AUX Interception
- ◆ Programmable Input Equalization, Output Swing and De-emphasis
- ◆ USB Full-Featured, Orientation and Role Detection
- ◆ 2 Power Roles Supported: Source and Sink
- ◆ 2 Data Roles Supported: DFP and DRP
- ◆ 3-level Current Ability Advertise for Type-C Power: USB Default, 1.5A@5V, 3A@5V
- ◆ USB Data Path Control for DP Alt Mode
- ◆ Internal MCU and Flash for Online Firmware Upgrade
- ◆ Support External I2C Debug
- ◆ 1.8V/3.3V Power Supply
- ◆ Packaged in 5mmx5mm QFN40

Applications:

- ◆ Smartphone, Tablet and Other Mobile Devices
- ◆ VR/AR Eco-System and Home Entertainment
- ◆ PC, Notebook, All-in-Ones Computer and Docking

LT86101HC/LT86101CH HDMI to Type-C/Type-C to HDMI Converter



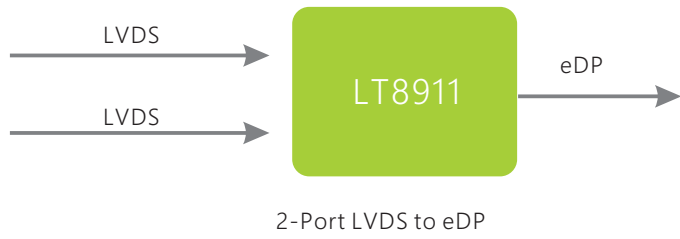
Features :

- ◆ Compliant to HDMI1.4b, Type-C r1.2, USB PD2.0 and HDMI1.4b Alt Mode v1.0 Standards
- ◆ Support Hot-Plug Detect for HDMI Input Interface
- ◆ Support DDC and CEC
- ◆ Support Only AC Coupled HDMI Input Interface
- ◆ Programmable Input Equalization, Output Swing and De-emphasis
- ◆ USB Full-Featured, Orientation and Role Detection
- ◆ 2 Power Roles Supported: Source and Sink
- ◆ 2 Data Roles Supported: DFP and DRP
- ◆ 3-level Current Ability Advertise for Type-C Power: USB Default, 1.5A@5V, 3A@5V
- ◆ Internal MCU and Flash for Online Firmware Upgrade
- ◆ Support External I2C Debug
- ◆ 1.8V/3.3V Power Supply
- ◆ Packaged in 5mmx5mm QFN40

Applications:

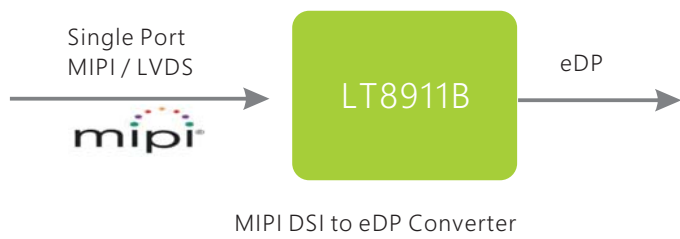
- ◆ Smartphone, Tablet and Other Mobile Devices
- ◆ VR/AR Helmet Display and Home Entertainment
- ◆ PC, Notebook, All-in-Ones Computer

LT8911/B MIPI/LVDS to eDP



Features :

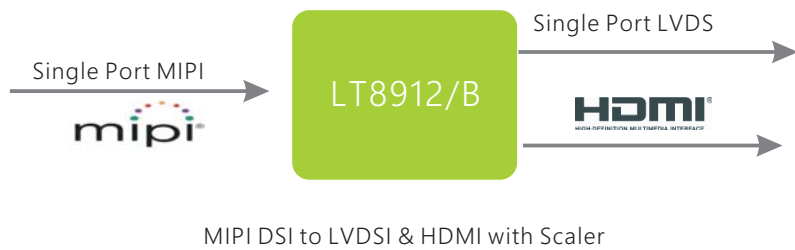
- ◆ LT8911 support Single/Dual Port LVDS input
- ◆ LT8911B support Single Port MIPI DSI input
- ◆ LT8911 support resolution up to 4K@30Hz
- ◆ LT8911B support resolution up to 1080P@60Hz



Applications:

- ◆ PAD with Calling Feature
- ◆ PAD/Tablet with eDP Panel
- ◆ Digital Signage

LT8912/B MIPI to LVDS/HDMI



Features :

- ◆ Compliant with HDMI1.4
- ◆ Support MIPI DSI Non-Burst Mode(Continue Mode)

Applications:

- ◆ PAD with Calling Feature
- ◆ PAD/Tablet with eDP Panel
- ◆ Drone
- ◆ POS

LT9611 HDMI1.4 Transmitter(2-Port MIPI CSI/DSI)



Features :

MIPI CSI/DSI Receiver

- ◆ Compliant with DCS 1.02, D-PHY 1.2, DSI
- ◆ 1/2 configurable port
- ◆ 80Mb/s~2.0Gb/s per data lane
- ◆ Support RGB888/RGB666/RGB666L/RGB565/YUV Format

HDMI1.4 Transmitter

- ◆ Compliant with HDMI1.4
- ◆ Support HDCP1.4

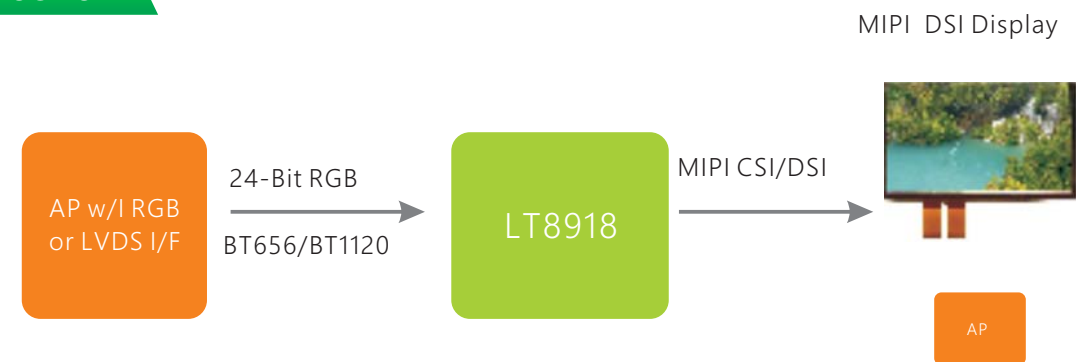
Miscellaneous

- ◆ 1.8V/3.3V Power Supply
- ◆ DCS support
- ◆ Support up to 8-channel Audio Input
- ◆ Packaged in 7.5mmx7.5mm QFN64

Applications:

- ◆ Docking Station
- ◆ Dongle
- ◆ Video Hub

LT8918 RGB to MIPI CSI/DSI



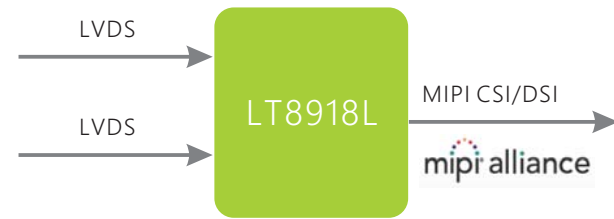
Features :

- ◆ Support 24-Bit RGB and BT656/BT1120 input
- ◆ Support Single/Dual Port LVDS input
- ◆ Compliant with DCS1.02, D-PHY1.1 and DSI1.02
- ◆ Compliant with D-PHY1.1 and CSI-2 1.0
- ◆ Resolution up to 1080P@60Hz

Applications:

- ◆ Mobile systems
- ◆ Cellular handsets
- ◆ Digital video cameras
- ◆ Digital still cameras
- ◆ Tablet PC, Notebook PC
- ◆ Car display and camera system

LT8918L LVDS to MIPI CSI/DSI



Features :

- ◆ Support 3-bit maximum 10dB Input Equalization
- ◆ Support LVDS Output Signal Re-driving
- ◆ Input Data Lane and Polarity Swapping
- ◆ 80Mb/s~2.5Gb/s and Output
- ◆ 1.8V Single Supply Power per Data Lane for both Input
- ◆ Support 100KHz / 400KHz I2C slave
- ◆ External 25MHz Crystal Reference Clock
- ◆ Temperature Range: -40°C ~ +85°C
- ◆ Packaged in QFN64 7.5mm x 7.5mm

Applications:

- ◆ Mobile systems
- ◆ Cellular handsets
- ◆ Digital video cameras
- ◆ Digital still cameras
- ◆ Tablet PC, Notebook PC
- ◆ Car Display and Camera System

LT8918H HDMI1.4/Dual Mode DP Receiver (1-Port MIPI CSI/DSI)



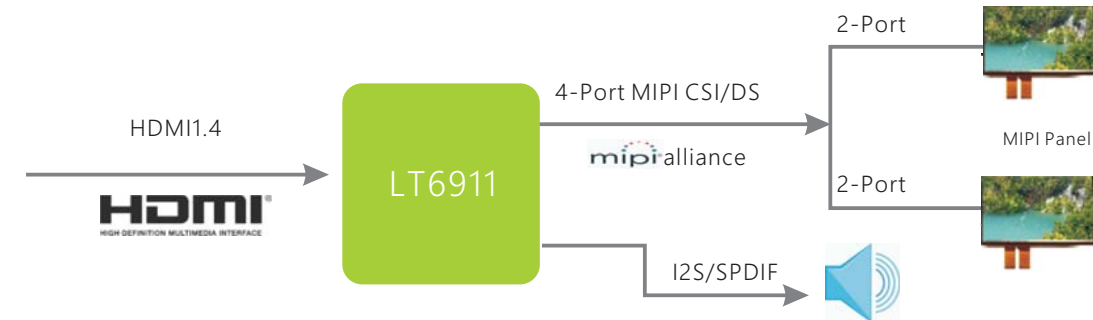
Features :

- ◆ HDMI/Dual-mode DP input
- ◆ Support LVDS Output Signal Re-driving
- ◆ Compliant with DVI1.0 and HDMI1.4
- ◆ Support Resolution up to 1080P@60Hz
- ◆ 80Mb/s~2.5Gb/s and Output
- ◆ Support 100KHz / 400KHz I2C slave
- ◆ External 25MHz Crystal Reference Clock
- ◆ Temperature Range: -40°C~+85°C
- ◆ Packaged in BGA102 9.45mm x 5.8mm

Applications:

- ◆ Mobile systems
- ◆ Cellular handsets
- ◆ Digital video cameras
- ◆ Digital still cameras
- ◆ Tablet PC, Notebook PC
- ◆ Car Display and Camera System

LT6911 HDMI1.4 Receiver(4-Port MIPI CSI/DSI)



Features :

HDMI1.4 Receiver

- ◆ Compliant with HDMI1.4, up to 4k@30Hz
- ◆ 1/2/4 configurable lane

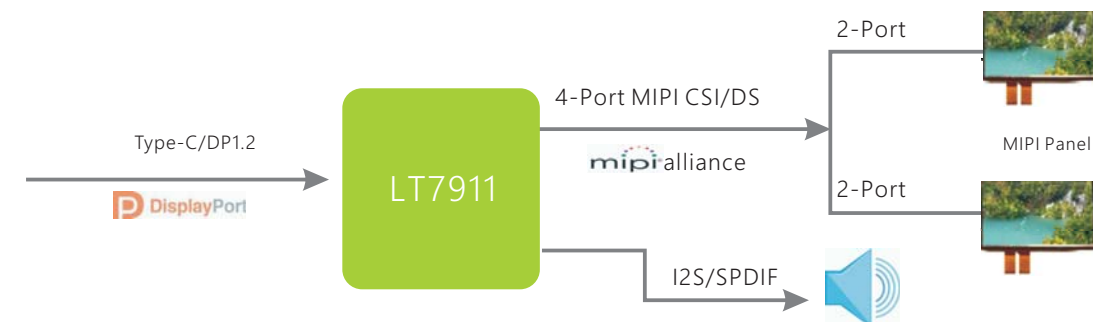
MIPI CSI/DSI Transmitter

- ◆ Compliant with DCS 1.02, D-PHY 1.2, DSI 1.02, CSI-2 1.0
- ◆ 1/2/4 configurable port
- ◆ 80Mb/s~1.5Gb/s per data lane
- ◆ Side-by-side 3D support

Applications:

- ◆ VR

LT7911 Type-C/DP to 4-Port MIPI CSI/DSI



Features :

Type-C/DP1.2 Receiver

- ◆ Compliant with DP1.2 for 1.62Gb/s, 2.7Gb/s, 5.4Gb/s, up to 4K@60Hz
- ◆ 1/2/4 configurable lane

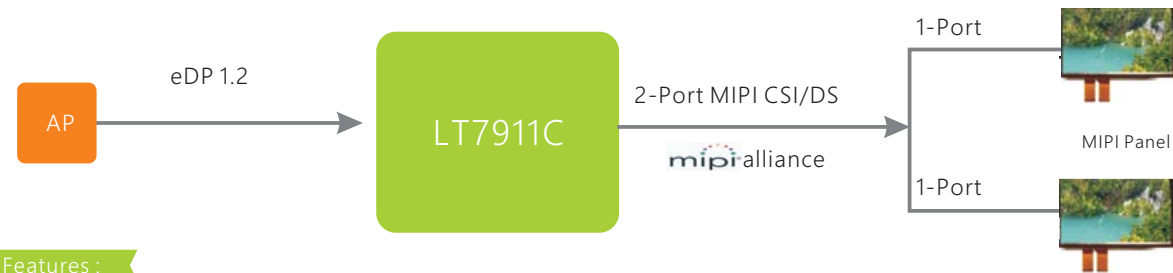
MIPI CSI/DSI Transmitter

- ◆ Compliant with DCS 1.02, D-PHY 1.2, DSI 1.02, CSI-2 1.0
- ◆ 1/2/4 configurable port
- ◆ 80Mb/s~1.5Gb/s per data lane
- ◆ Side-by-side 3D support

Applications:

- ◆ VR

LT7911C eDP1.2 to Dual-Port MIPI DSI/CSI-2



Features :

eDP1.2 Receiver

- ◆ Compliant with eDP 1.2 for 1.62Gb/s, 2.7Gb/s, 5.4Gb/s
- ◆ Support eDP1 or 2 lanes
- ◆ Support HDCP 1.3

MIPI CSI/DSI Transmitter

- ◆ Compliant with DCS1.02, D-PHY1.2, DSI1.02 and CSI-2 1.0
- ◆ 1/2configurable port
- ◆ 80Mb/s~1.5Gb/s per data lane
- ◆ Side-by-side 3D support

Applications:

- ◆ Smartphone, Tablet and Other Mobile Devices
- ◆ VR/AR HMD

LT89101 MIPI CSI/DSI · LVDS Repeater



Features :

- ◆ Support 3-bit maximum 10dB Input Equalization
- ◆ Signal Re-driving without Data De-packetize
- ◆ Input Data Lane and Polarity Swapping
- ◆ 80Mb/s~1.5Gb/s per Data Lane for both Input and Output
- ◆ Support Maximum Resolution 1080P@60Hz
- ◆ 1.8V Single Supply Power
- ◆ Support 100KHz / 400KHz I2C slave
- ◆ External 25MHz Crystal Reference Clock
- ◆ Temperature Range: -40°C ~ +85°C
- ◆ Packaged in QFN64 7.5mm x 7.5mm

Applications:

- ◆ Mobile systems
- ◆ Home security systems
- ◆ Digital video cameras
- ◆ Digital still cameras
- ◆ Tablet PC, Notebook PC
- ◆ Car Display and Camera System

LT89101L MIPI to LVDS Level Shifter



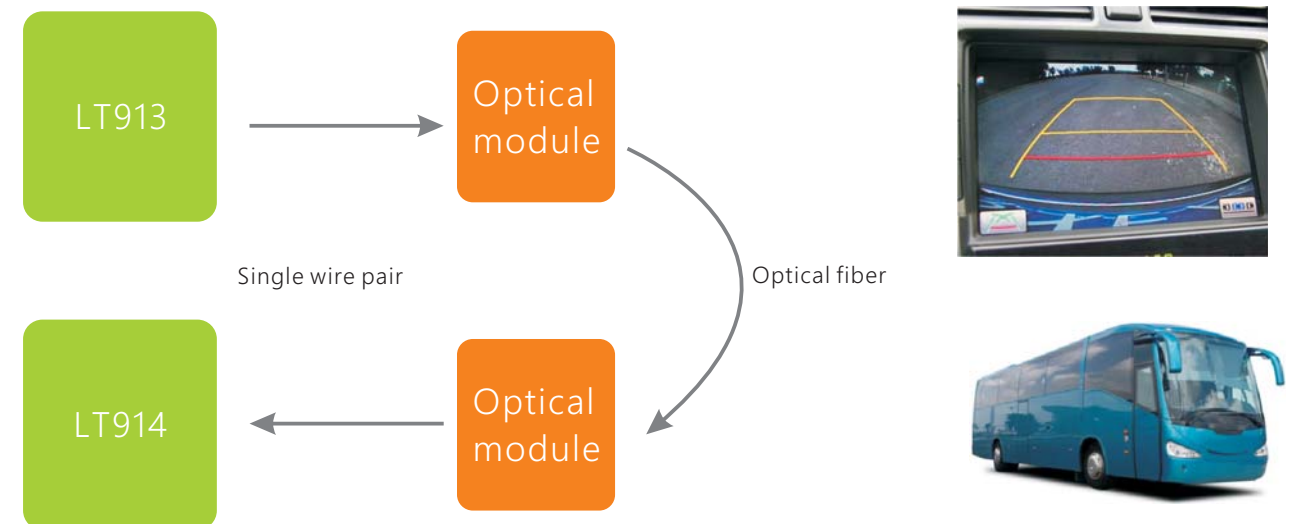
Features :

- ◆ Support 3-bit maximum 10dB Input Equalization
- ◆ Signal Re-driving without Data De-packetize
- ◆ Input Data Lane and Polarity Swapping
- ◆ 80Mb/s~2.5Gb/s per Data Lane for Both Input and Output
- ◆ 1.8V Single Supply Power
- ◆ Support 100KHz / 400KHz I2C slave
- ◆ External 25MHz Crystal Reference Clock
- ◆ Temperature Range: -40°C ~ +85°C
- ◆ Packaged in QFN64 7.5mm x 7.5mm

Applications:

- ◆ Mobile systems
- ◆ Home security systems
- ◆ Digital video cameras
- ◆ Digital still cameras
- ◆ Tablet PC, Notebook PC
- ◆ Car Display and Camera System
- ◆ Signal bridge in FPGA verification

LT913/LT914 MIPI CSI/LVDS/RGB ↔ SERDES



Features :

- ◆ MIPI/LVDS/RGB to single wire pair
- ◆ Up to 1080P@60Hz resolution
- ◆ Up to 10M
- ◆ Support 2-channel switch

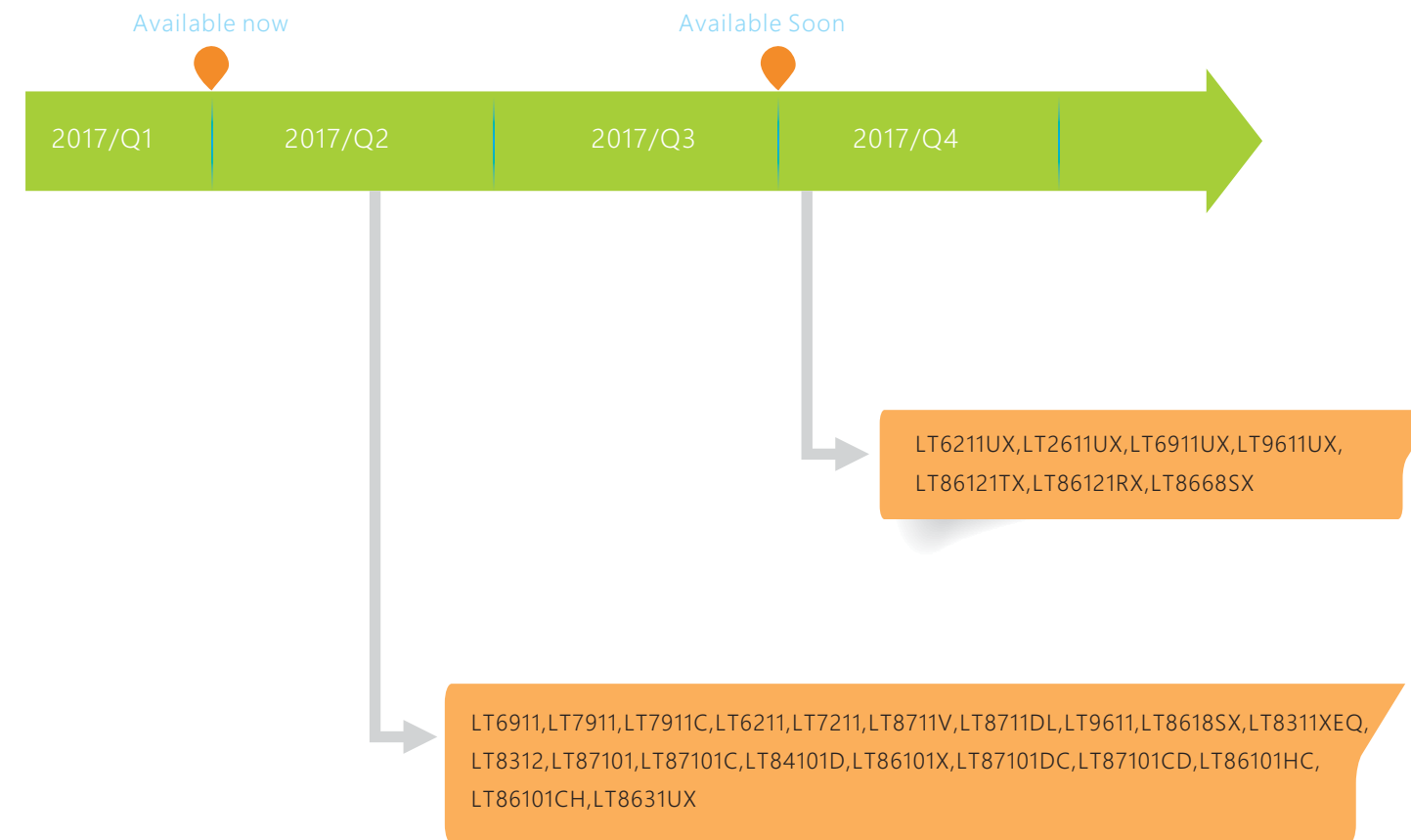
Applications:

- ◆ Car Rear Radar
- ◆ Medical Image Signal Repeating
- ◆ HDMI/MIPI Repeating by Optical Fiber

Parts In Design

Parts	Function Description	Sample Ready
LT6911	HDMI1.4 to 4-Port MIPI CSI/DSI	2017/Q2
LT7911	Type-C/DP to 4-Port MIPI CSI/DSI	2017/Q2
LT7911C	eDP1.2 to Dual-Port MIPI DSI/CSI-2	2017/Q2
LT6211	HDMI1.4 to 4-Port LVDS	2017/Q2
LT7211	Type-C/DP to 4-Port LVDS	2017/Q2
LT8711V	DP to VGA	2017/Q2
LT8711DL	DP to 2-Port LVDS	2017/Q2
LT9611	2-Port MIPI DSI to HDMI 1.4	2017/Q2
LT8618SX	RGB to HDMI1.4	2017/Q2
LT8311XE-Q	USB2.0 Extender	2017/Q2
LT8312	USB2.0 Extender with DeMUX	2017/Q2
LT87101	DP Repeater	2017/Q2
LT87101C	Type-C Repeater	2017/Q2
LT84101D	2-Port USB3.0 Repeater	2017/Q2
LT86101X	HDMI1.4/2.0 Repeater	2017/Q2
LT87101DC	DP to Type-C	2017/Q2
LT87101CD	Type-C to DP	2017/Q2
LT86101HC	HDMI to Type-C	2017/Q2
LT86101CH	Type-C to HDMI	2017/Q2
LT8631UX	HDMI1.4/2.0 3:1 Switch	2017/Q2
LT6211UX	HDMI2.0 to 4-Port LVDS	2017/Q4
LT2611UX	4-Port LVDS to HDMI2.0	2017/Q4
LT6911UX	HDMI2.0 to 4-Port MIPI DSI/CSI	2017/Q4
LT9611UX	4-Port MIPI DSI/CSI to HDMI2.0	2017/Q4
LT86121TX/RX	HDMI 2.0 Repeater	2017/Q4
LT8668SX	Type -C/DP1.4/HDMI2.0 to LVDS/Vby1 with scaler	2017/Q4

Lontium Roadmap



Convert Selection Matrix

Parts in Black are in MP status, Parts in Red are in design status.

Converts to												
	RGB	LVDS	VGA	HDMI 1.4	HDMI 2.0	MIPI	Type-C	DP	eDP	BT656	BT1120	
Converts from	RGB			LT8618EXB LT8618SX		LT8918	LT8718	LT8718	LT8718			
	LVDS				LT2611UX	LT8918L			LT8911			
	VGA	LT8668EX	LT8668EX	LT8522EX	LT8522EX LT8522X							
	HDMI 1.3			LT8511 LT8511A-M								
	HDMI 1.4	LT8619B LT8619C LT8668EX	LT8619B LT8619C LT8668EX LT6211	LT8612SX LT8511EX	LT8612X-M LT8612SX		LT8918H LT6911	LT9721 LT86101HC	LT9721	LT9721	LT8819EX LT8619C	LT8819EX LT8619C
	HDMI2.0		LT8668SX LT6211UX			LT86121TX/RX	LT6911UX		LT86121TX			
	MIPI		LT8912B LT89101L LT9211		LT8912B LT9611	LT9611UX			LT9721	LT8911B LT9721		
	Type-C		LT8668SX LT7211	LT8711X-B LT8712	LT8711H-C LT8712 LT86101CH	LT8711EH-C LT8712EX LT8711UX	LT7911	LT87101C	LT87101CD			
	Display Port		LT7211 LT8711DL LT8668SX	LT8711X-B LT8712 LT8711V	LT8711H-C LT8712	LT8711EH-C LT8712EX LT8711UX LT86121RX	LT7911 LT7911C	LT87101DC	LT87101			
	Dual Mode DP	LT8668EX LT8619B LT8619C	LT8668EX LT8619B LT8619C LT8668SX	LT8711	LT8611SX						LT8619C	LT8619C
	BT656				LT8618EXB		LT8918	LT8718	LT8718			
	BT1120				LT8618EXB		LT8918	LT8718	LT8718			

Lontium Production List 2017 (1)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
1	LCD Controller	LT8668EX	MP	LCD Controller	HDMI1.4/Dual Mode DP/VGA	4-Port LVDS/RGB+Audio	4K@30Hz/2K@60Hz Mode Scaler Bypass	LQFP128 14*20	Tray	720
2		LT8668SX	In Design	LCD Controller	Type-C/DP1.4/HDMI2.0	LVDS/MIPI	4K@60Hz with Scaler	TBD	TBD	TBD
3	USB	LT8311	EOL	USB2.0 Extender	USB2.0	2 Differential Pairs	Extend USB Signal up to 80 meters via ethernet cable, no extra driver required, support hot plug	TSSOP16	Tube	4,800
4		LT8311EX	MP	USB2.0 Extender	USB2.0	2 Differential Pairs	Extend USB Signal up to 100 meters via ethernet cable, no extra driver required, support hot plug	TSSOP20	Tube	3,750
5		LT8311X	MP	USB2.0 Extender	USB2.0	USB2.0	Extend USB 2.0 Signal up to 15 meters via usb cable, no extra driver required, support hot plug	TSSOP20	Tube	3,750
6		LT8311X-Q	MP	USB2.0 Extender	USB2.0	USB2.0	Extend USB 2.0 Signal up to 15 meters via usb cable, no extra driver required, support hot plug	QFN16 4*4	Tray	4,900
7		LT8311XE-Q	In Design	USB2.0 Extender	USB2.0	USB2.0	upgrade version of LT8311X-Q	QFN16 4*4 with EPAD	Tray	4,900
8		LT8312	In Design	USB2.0 Extender with DeMUX	USB2.0	USB2.0	1-port USB2.0 input, 2-port USB2.0 output, one output for USB2.0 bypass, one output for USB2.0 extender	QFN20 4*4 with EPAD	TBD	TBD
9		LT84101D	In Design	USB 2.0/3.0 Extender	USB3.0	USB3.0	Dual USB3.0 Port, One USB2.0 Port	QFN40 5*5	Tray	TBD
10		LT8619	MP	HDMI1.4Receiver	HDMI1.4	RGB 24-Bit + Audio	MCU Inside, with Scaler	TQFP100 14*14	Tray	900
11		LT8619B	MP	HDMI1.4 Receiver	HDMI1.4	RGB 24-Bit/2 Port LVDS + Audio	MCU Inside, with Scaler	QFN76 9*9	Tray	2,600
12		LT8619C	MP	HDMI1.4/Dual Mode DP Receiver	HDMI1.4/Dual Mode DP	RGB/LVDS/BT656/BT1120+Audio	Single/Dual Port LVDS output, Digital Audio Output	QFN76 9*9	Tray	2,600
13	HDMI Receiver	LT6211	In Design	HDMI1.4/Dual Mode DP Receiver	HDMI1.4/Dual Mode DP	4-Port LVDS	MCU inside,3D splitter support, Type-C HDMI Alt-Mode support	BGA144 7*7 LQFP128 14*14	TBD	TBD
14		LT8819	EOL	HDMI1.4Receiver	HDMI1.4	BT656 + Audio	480P/576P	QFN64 9*9	Tray	2,600
15		LT8819EX	MP	HDMI1.4 Receiver	HDMI1.4	BT656/BT1120+ Audio	Up to 1080P@60Hz	QFN64 9*9	Tray	2,600
16		LT6911UX	In Design	HDMI2.0 Receiver	HDMI2.0	4-Port MIPI CSI/DSI	Up to 4K@60Hz, DSC1.1 compliant	TBD	TBD	TBD
17		LT6211UX	In Design	HDMI2.0 Receiver	HDMI2.0	4-Port LVDS	Up to 4K@60Hz	TBD	TBD	TBD

Lontium Production List 2017 (2)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
18		LT8618LP	EOL	HDMI1.3 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.3	Up to 1080P@60Hz	LQFP80 10*10	Tray	1,600
19		LT8618M	EOL	HDMI1.3 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.3	Up to 1080P@60Hz	QFN64 9*9	Tray	2,600
20		LT8618EXA	MP	HDMI1.4 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.4	Up to 4K@30Hz	LQFP80 12*12	Tray	1,190
21		LT8618EXB	MP	HDMI1.4 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.4	Up to 4K@30Hz	QFN64 9*9	Tape & Reel	2,600
22	HDMI Transmitter	LT8618SXA	In Design	HDMI1.4 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.4	Upgrade version of LT8618EXA	LQFP80 12*12	Tray	1,190
23		LT8618SXB	In Design	HDMI1.4 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.4	Upgrade version of LT8618EXB	QFN64 9*9	Tape & Reel	3,000
24		LT8618SXC	In Design	HDMI1.4 Transmitter	TTL(RGB/YCbCr/BT656/ BT1120 16-bit)	HDMI1.4	Upgrade version of LT8618EXB	QFN64 7.5*7.5	Tape & Reel	3,000
25		LT9611UX	In Design	HDMI2.0 Transmitter	4-Port MIPI CSI/DSI	HDMI2.0	Up to 4K@60Hz , DSC1.1 Compliant	TBD	TBD	TBD
26		LT2611UX	In Design	HDMI2.0 Transmitter	4-Port LVDS	HDMI2.0	Up to 4K@60Hz	TBD	TBD	TBD
27	HDMI Converter	LT8511A	MP	HDMI to VGA Converter	HDMI1.3/DVI	VGA + Audio	Up to 1920x1200@60Hz, Pixel Clock 154MHz	QFN64 9*9	Tape & Reel	2,600
28		LT8511A-M	MP	HDMI to VGA Converter	HDMI1.3/DVI	VGA + Audio	Up to 1920x1200@60Hz, Pixel Clock 154MHz, MCU Inside	QFN64 9*9	Tape & Reel	2,600
29		LT8511EX	MP	HDMI to VGA Converter	HDMI1.4/DVI	VGA/YPbPr + Audio	Up to 1920x1200@60Hz, Pixel Clock 193.25MHz, Low Power	QFN64 9*9	Tape & Reel	2,600
30		LT8522EX	MP	HDMI & VGA 2*2 Converter	HDMI1.4 + VGA	HDMI1.4 + VGA	VGA and HDMI 2*2 Crossing Converter, HDMI1.4	TQFP100 14*14	Tray	900
31		LT8522X	MP	VGA to HDMI Converter	VGA + Audio	HDMI1.4		QFN64 9*9	Tray	2,600
32		LT8812	EOL	MHL to HDMI/RGB Converter	MHL1.2	HDMI1.3 + VGA/YPbPr + Audio		QFN64 9*9	Tray	2,600
33		LT8612	EOL	HDMI to HDMI + VGA Converter	HDMI 1.3	HDMI1.3 + VGA/YPbPr + Audio	Support HDMI and VGA Output simultaneously	LQFP80 12*12	Tray	1,190
34		LT8612EX	MP	HDMI to HDMI & VGA Converter	HDMI 1.4	HDMI1.4 + VGA/YPbPr + Audio	Support HDMI and VGA Output simultaneously	LQFP80 12*12	Tray	1,190
35		LT8612X-M	MP	HDMI to HDMI + VGA Converter with MCU in Package	HDMI1.4	HDMI1.4 + VGA/YPbPr	Support HDMI and VGA Output simultaneously, MCU Inside	QFN76 9*9	Tape & Reel	2,600
36		LT8612SX	MP	HDMI to HDMI & VGA Converter	HDMI1.4	HDMI1.4 + VGA/YPbPr + Audio	Upgrade version of LT8612EX	LQFP80 12*12	Tray	1,190

Lontium Production List 2017 (3)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
37		LT86101EX	EOL	HDMI Extender	HDMI1.3	HDMI1.3		QFN48 7*7	Tray	2600
38		LT86101SX	MP	HDMI Extender	HDMI1.4	HDMI1.4	1080P@60Hz,HDCP,Extend 50 Meters by AWG26 HDMI Cable/CAT5e Network Cable, Cascade to 100 Meters	QFN48 7*7	Tray	2600
39		LT86101UX	MP	HDMI Extender	HDMI1.4	HDMI1.4	4K@30Hz,HDCP,Extend 25 Meters by AWG26 HDMI Cable, or CAT5e Network Cable Extend 15 Meters	QFN48 7*7	Tray	2600
40	HDMI Extender	LT86101UXE	MP	HDMI Extender	HDMI2.0	HDMI2.0	Upgrade version of LT86101UX	QFN64 7.5*7.5	Tray	2600
41		LT8621SX-E-M	MP	HDMI Extender	HDMI2.0(YCbCr4:2:0)	HDMI2.0(YCbCr4:2:0)	4K@30Hz, 4K@60Hz(YCbCr4:2:0), Support HDCP, MCU Integrated, Extend 30 Meters via AWG#26 HDMI Cable, Support Cascade for 60 Meters Extension	QFN76 9*9	Tray	2,600
42		LT86101X	In Design	HDMI Re-driver	HDMI1.4/HDMI2.0	HDMI1.4/HDMI2.0	Support HDMI1.4/HDMI2.0 with up to 6Gb/s data rate	QFN40 5*5	Tape & Reel	3,000
43		LT86121TX/RX	In Design	HDMI2.0 Repeater	HDMI2.0	HDMI2.0	HDMI2.0 repeater chipset supporting HDCP1.4/HDCP2.2 and DSC1.2	TBD	TBD	TBD
44	HDMI Splitter	LT86102EX	EOL	HDMI 1 to 2	HDMI1.3	HDMI1.3	1080P@60Hz,HDCP,extend 15 meters	LQFP80 12*12	Tray	1,190
45		LT86102SX	MP	HDMI 1 to 2	HDMI1.4	HDMI1.4	4K@30Hz, HDCP, extend to 15 meters	LQFP80 12*12	Tray	1,190
46		LT86102SX-E	MP	HDMI 1 to 2	HDMI1.4	HDMI1.4	Upgrade version of LT86102SX	LQFP80 12*12	Tray	1,190
47		LT86102UX	MP	HDMI 1 to 2	HDMI2.0	HDMI2.0	4K@60Hz,Extend to 10 Meters	TQFP100 14*14	Tray	900
48		LT86104	EOL	HDMI 1 to 4	HDMI1.3	HDMI1.3	1080P@60Hz, extend to 15 meters	LQFP128	Tray	720
49		LT86104EX	EOL	HDMI 1 to 4	HDMI1.3	HDMI1.3	1080P@60Hz, HDCP, extend to 15 meters	LQFP128 EPAD	Tray	720
50		LT86104SX	MP	HDMI 1 to 4	HDMI1.4	HDMI1.4	4K@30Hz, HDCP,extend to 15 meters	LQFP128 EPAD	Tray	720
51		LT86104SX-E	MP	HDMI 1 to 4	HDMI1.4	HDMI1.4	Upgrade version of LT86104SX	LQFP128 EPAD	Tray	720
52		LT86104NX	MP	HDMI 1 to 4	HDMI1.4	HDMI1.4	4K@30Hz, No HDCP, extend to 15 meters	LQFP128 EPAD	Tray	720
53	LT86104UX	MP	HDMI 1 to 4	HDMI2.0	HDMI2.0	4K@60Hz, extend 20 meter via AWG#26 HDMI cable, or extend 15 meters via CAT5e ethernet cable	LQFP 128 14*14	Tray	900	

Lontium Production List 2017 (4)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
54	HDMI Switch	LT8631SX	MP	HDMI 3 to 1	HDMI1.4	HDMI1.4	4K@30Hz Resolution, HDCP	QFN64 9*9	Tape & Reel	3,000
55		LT8641EX	EOL	HDMI 4 to 1	HDMI1.3	HDMI1.3+Audio	1080P@60Hz,HDCP,12-Bit Deep Color, Fast Switching, and 8 Channel I2S/SPDIF Audio	LQFP100 14*14	Tray	900
56		LT8641SX	MP	HDMI 4 to 1	HDMI1.4	HDMI1.4+Audio	4K@30Hz, HDCP,12-Bit Deep Color, Fast Switching, and 8 Channel I2S/SPDIF Audio	TQFP100 14*14 EPAD	Tray	900
57		LT8641SXE	MP	HDMI 4 to 1	HDMI1.4	HDMI1.4+Audio	Upgrade version of LT8641SX	TQFP100 14*14 EPAD	Tray	900
58		LT8641UX	MP	HDMI 4 to 1	HDMI2.0	HDMI2.0	4K@60Hz,12-Bit Deep Color, Fast Switching	BGA144 10*10	Tray	1,840
59		LT8631UX	In Design	HDMI 3 to1	HDMI2.0	HDMI2.0	4K@60Hz, HDCP1.4/2.2, Low Power	QNF64 7.5*7.5	Tray	2,600
60	HDMI Matrix	LT8644	MP	HDMI Matrix	16 Differential signal pairs	16 Differential signal pairs	Support up to 4K@30Hz Resolution Arbitrary Switching	TQFP100 14*14	Tray	900
61	DP Converter	LT8611A	EOL	Dual Mode DP to HDMI/DVI Level Shifter	Dual Mode DP	HDMI1.3/DVI		QFN48 7*7	Tape & Reel	3,000
62		LT8611SXA	MP	Dual Mode DP to HDMI/DVI Level Shifter	Dual Mode DP	HDMI2.0(YCbCr4:2:0)/DVI	Compliant with VESA Dual Mode DisplayPort Standard, Version 1, for Type 2 Cable Adaptor Applications	QFN48 7*7	Tape & Reel	3,000
63		LT8611SXB	MP	Dual Mode DP to HDMI/DVI Level Shifter	Dual Mode DP	HDMI2.0(YCbCr4:2:0)/DVI	Compliant with VESA Dual Mode DisplayPort Standard, Version 1, for Type 2 Cable Adaptor Applications	QFN48 7*7	Tape & Reel	3,000
64		LT8611SX	MP	Dual Mode DP to HDMI/DVI Level Shifter	Dual Mode DP	HDMI2.0(YCbCr4:2:0)/DVI	Compliant with VESA Dual Mode DisplayPort Standard, Version 1, for Type 2 Cable Adaptor Applications	QFN40 5*5	Tape & Reel	3,000
65		LT8611SXD	MP	Dual Mode DP to HDMI/DVI Level Shifter	Dual Mode DP	HDMI2.0(YCbCr4:2:0)/DVI	Compliant with VESA Dual Mode DisplayPort Standard, Version 1, for Type 2 Cable Adaptor Applications	QFN32 3*6	Tape & Reel	5,000
66		LT8711	MP	Dual Mode DP to VGA	Dual Mode DP	VGA + Audio	Support HDCP	QFN64 9*9	Tape & Reel	2,600
67		LT8711V	In Design	DP to VGA	DP1.1	VGA	2lane DP/eDP to VGA	TBD	TBD	TBD
68		LT8711DL	In Design	DP to 2-Port LVDS	DP1.1	2-Port LVDS	2lane DP/eDP to LVDS	TBD	TBD	TBD
69		LT87101	In Design	DP1.2 Repeater	DP1.2	DP1.2	DP1.2 Re-driver with up to 5.4Gb/s data rate	QFN40 5*5	Tape & Reel	3,000

Lontium Production List 2017 (5)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
70		LT8711X-B	MP	Type-C/DP to VGA+Audio	Type-C/DP1.2	VGA + Audio	HDCP1.3(DP), MCU embedded	QFN64 7.5*7.5	Tray	2,600
71		LT8711H-C	MP	Type-C/DP to HDMI1.4	Type-C/DP1.2	HDMI1.4	HDCP1.3(DP), HDCP1.4(HDMI), MCU embedded	QFN64 7.5*7.5	Tray	2,600
72		LT8712	MP	Type-C/DP to HDMI1.4*2+VGA+Audio	Type-C/DP1.2	HDMI1.4*2+VGA+Audio	MST(multi stream transmission) and HDCP1.3(DP), HDCP1.4(HDMI), MCU embedded	LQFP128 14*14	Tray	900
73		LT8711EH-C	ES	Type-C/DP to HDMI2.0	Type-C/DP1.2	HDMI2.0	HDCP1.3(DP), HDCP2.2/1.4(HDMI), MCU embedded	QFN64 7.5*7.5	Tray	2,600
74		LT8711EX-B	ES	Type-C/DP to VGA+Audio	Type-C/DP1.2	VGA+Audio	HDCP1.3(DP), MCU embedded	QFN64 7.5*7.5	Tray	2,600
75		LT8711UX	ES	Type-C/DP to HDMI2.0+Audio+USB3.0 Switch	Type-C/DP1.2	HDMI2.0+Audio	HDCP1.3(DP), HDCP2.2/1.4(HDMI), MCU embedded	QFN88 10*10	Tray	1,680
76		LT8712EX	MP	Type-C/DP to HDMI2.0*2+VGA+Audio	Type-C/DP1.2	HDMI2.0*2+VGA+Audio	MST and HDCP1.3(DP), HDCP2.2/1.4(HDMI), MCU embedded	LQFP128 14*14	Tray	900
77	Type-C/DP Converter	LT9721	MP	HDMI/MIPI to DP Converter with CC and PD Controller	HDMI/MIPI DSI	DP 1.2/Type-C	Resolution up to 4Kx2K@30Hz for RGB Resolution up to 4Kx2K@60Hz for YCbCr4:2:0	QFN64 7.5*7.5	Tray	2,600
78		LT9721B	ES	HDMI/MIPI to DP Converter with CC and PD Controller	HDMI/MIPI DSI	DP 1.2/Type-C	Resolution up to 4Kx2K@30Hz for RGB Resolution up to 4Kx2K@60Hz for YCbCr4:2:0	BGA81 5*5	Tray	TBD
79		LT8718	MP	TTL to DP Converter with CC and PD Controller	TTL(RGB/YCbCr/BT656/BT1120)	DP 1.2/Type-C	Resolution up to 4Kx2K@30Hz for RGB Resolution up to 4Kx2K@60Hz for YCbCr4:2:0	QFN88 10*10	Tray	1,680
80		LT7211	ES	Type-C/DP to 4-port LVDS	Type-C/DP1.2	4-Port LVDS	MCU inside,3D splitter support	BGA144 7*7 LQFP128 14*14	TBD	TBD
81		LT87101C	In Design	Type-C Repeater	Type-C	Type-C	DP1.2/HDMI1.4b Alt Mode, USB3.1 Gen-1, USB2.0, USB PD2.0	QFN40 5*5	Tape & Reel	3,000
82		LT87101CD	In Design	Type-C to DP	Type-C	DP1.2	DP Alt Mode, USB PD2.0	QFN40 5*5	Tape & Reel	3,000
83		LT87101DC	In Design	DP to Type-C	DP1.2	Type-C	DP Alt Mode, USB PD2.0	QFN40 5*5	Tape & Reel	3,000
84		LT86101CH	In Design	Type-C to HDMI	Type-C	HDMI1.4b	HDMI1.4b Alt Mode, USB PD2.0	QFN40 5*5	Tape & Reel	3,000
85		LT86101HC	In Design	HDMI to Type-C	HDMI1.4b	Type-C	HDMI1.4b Alt Mode, USB PD2.0	QFN40 5*5	Tape & Reel	3,000

Lontium Production List 2017 (6)

ES=Engineering Sample; MP=Mass Production;EOL=End of Life

Item#	Series	Part Number	Status	Function Description	Input	Output	Comments	Package	Packing	MPQ
86		LT8911	MP	2-Port LVDS to eDP	2-Port LVDS	eDP		QFN64 9*9	Tray	2,600
87		LT8911B	MP	1-Port MIPI DSI to eDP	1-Port MIPI DSI	eDP		QFN48 6*6	Tray	4,900
88		LT8912	MP	MIPI DSI to HDM+LVDS	MIPI DSI	LVDS + HDMI1.4	HDMI1.4 Transmitter NO HDCP 1 Port LVDS Output with HDMI simultaneously	LQFP80 12*12	Tray	1,190
89		LT8912B	MP	MIPI DSI to HDMI+LVDS	MIPI DSI	LVDS + HDMI1.4	HDMI1.4 Transmitter, NO HDCP 1 Port LVDS Output with HDMI simultaneously	QFN64 7.5*7.5	Tray	2,600
90		LT9611	In Design	2-Port MIPI CSI/DSI to HDMI1.4	2-Port MIPI CSI/DSI	HDMI1.4	4K@30Hz,HDCP,and 8 Channel I2S/SPDIF Audio	QFN64 7.5*7.5	Tray	2,600
91		LT8922	EOL	2 Port LVDS/MIPI to eDP + HDMI Converter	2 Port LVDS/MIPI DSI	eDP Port + HDMI1.4	HDMI1.4 Transmitter, NO HDCP eDP Port for Panel Driving and Extend a HDMI Transmitter Port	QFN88 10*10	Tray	1,680
92		LT8218	EOL	LVDS Transmitter	RGB 24-bit	1 Port LVDS	Up to 1080P	TSSOP56 6*14	Tape & Reel	2,500
93		LT9211	In Design	MIPI CSI/DSI to 2-Port LVDS	MIPI CSI/DSI	2-Port LVDS	Up to 1080P with DBI	TBD	TBD	TBD
94		LT8918	MP	RGB/BT656/BT1120 to MIPI CSI/DSI	TTL(RGB/BT656/BT1120)	1-Port MIPI CSI/DSI	Single Port MIPI CSI/DSI Transmitter with up to 1080P resolution	QFN64 7.5*7.5	Tray	2,600
95	MIPI/LVDS Converter	LT8918L	MP	LVDS to MIPI CSI/DSI	2-Port LVDS	1-Port MIPI CSI/DSI	DeSSC, 1080P	QFN64 7.5*7.5	Tray	2,600
96		LT8918H	MP	HDMI/Dual Mode DP to MIPI CSI/DSI	HDMI1.4/Dual Mode DP	1-Port MIPI CSI/DSI	Single Port MIPI CSI/DSI Transmitter with up to 1080P resolution	BGA102 9.45*5.8	Tray	2,080
97		LT6911	ES	HDMI1.4 to 4-Port MIPI CSI/DSI	HDMI1.4/Dual Mode DP	4-Port MIPI CSI/DSI	Type-C HDMI Alt Mode,MCU inside,3D splitter support	BGA144 7*7 LQFP128 14*14	TBD	TBD
98		LT7911	ES	Type-C/DP to 4-Port MIPI CSI/DSI	Type-C/DP1.2	4-Port MIPI CSI/DSI	DP1.2 input with Type-C support Support HDCP1.3, MCU inside,3D splitter support	BGA144 7*7 LQFP128 14*14	TBD	TBD
99		LT7911C	MP	eDP to Dual-Port MIPI DSI/CSI-2	eDP	2-Port MIPI DSI/CSI-2	eDP1.2 to Dual-Port MIPI DSI/CSI-2	QFN64 7.5*7.5	Tray	2,600
100		LT89101	MP	MIPI CSI/DSI/LVDS Repeater	MIPI CSI/DSI/LVDS	1-Port MIPI CSI/DSI/LVDS	Up to 1080P	QFN64 7.5*7.5	Tray	2,600
101		LT89101L	MP	MIPI to LVDS Level Shifter	MIPI CSI/DSI	LVDS	Up to 1080P	QFN64 7.5*7.5	Tray	2,600
102		LT89102	In Design	MIPI/LVDS 1:2 Splitter	MIPI CSI/DSI/LVDS	MIPI CSI/DSI/LVDS	Up to 1080P MIPI/LVDS 1:2 Splitter	QFN48 6*6	Tray	4,900
103		LT8921	In Design	MIPI/LVDS 2:1 MUX	MIPI CSI/DSI/LVDS	MIPI CSI/DSI/LVDS	Up to 1080P MIPI/LVDS 2:1 Mux	QFN40 5*5	Tape & Reel	3,000