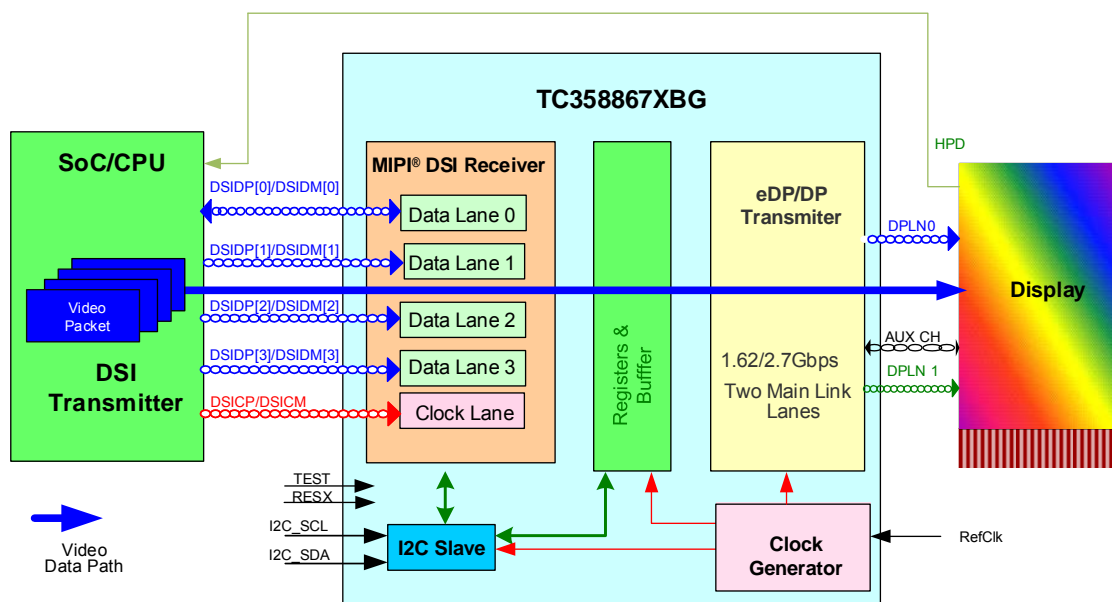
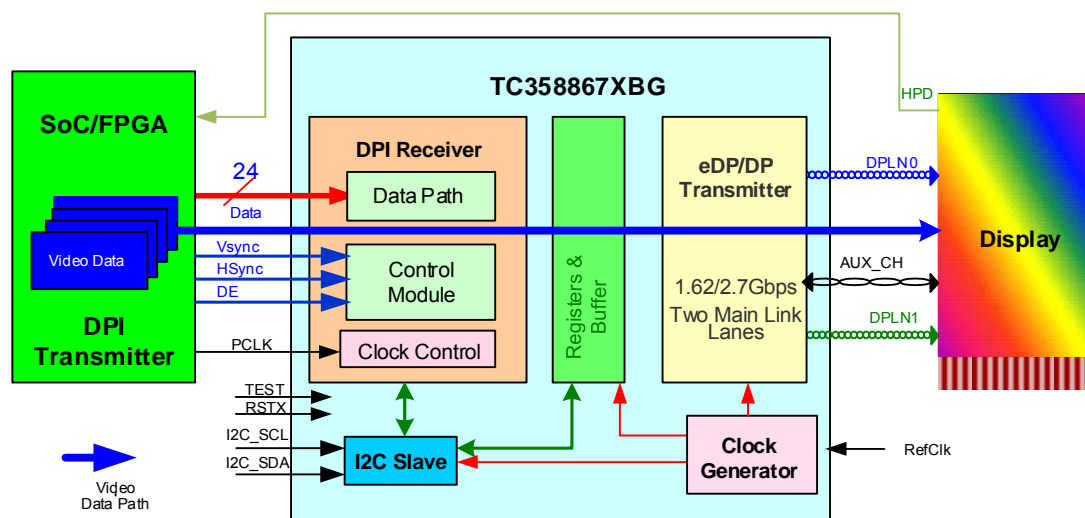


## (1) MIPI® DSI to eDP/DP conversion



## (2) MIPI® DPI (RGB parallel) to eDP/DP conversion

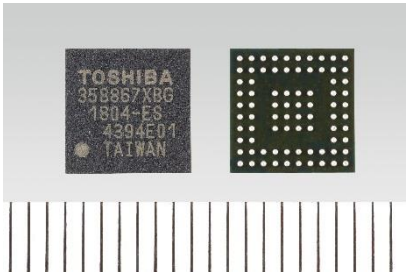
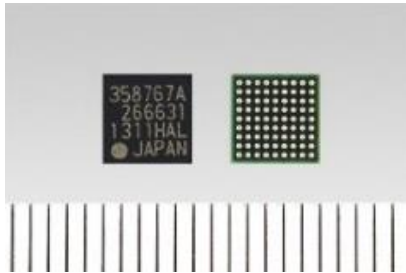


Note: Some of the functional blocks, circuits, or constants in the block diagram may be omitted or simplified for explanatory purposes.

## Product Specifications

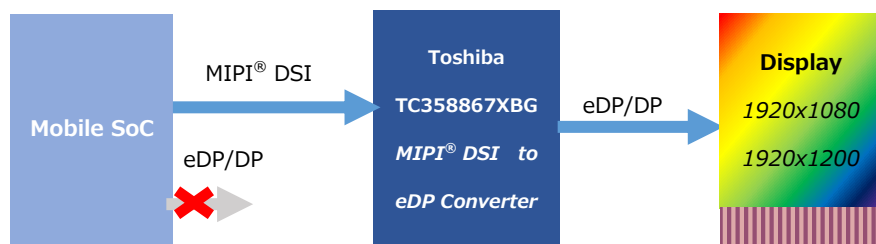
Item	Description	
Input video stream format (Rx)	MIPI® DSI 1.01	MIPI® DPI 2.0 (RGB Parallel)
Rx data rate	1Gbps/lane x 4	24bit, PCLK 154MHz (Max)
Audio input	2 channels	
Output video stream (Tx)	VESA® DisplayPort™ 1.1a	
Tx data rate	1.62Gbps/lane x 2 or 2.7Gbps/lane x 2	
Maximum resolution	WUXGA (1920×1200)	
Voltage	Core, MIPI® D-PHY: 1.2 V ± 0.06 V, Digital I/O: 1.8 V ± 0.09 V, DisplayPort™: 1.8 V ± 0.09 V, 1.2 V ± 0.06 V	

## Package Line-up

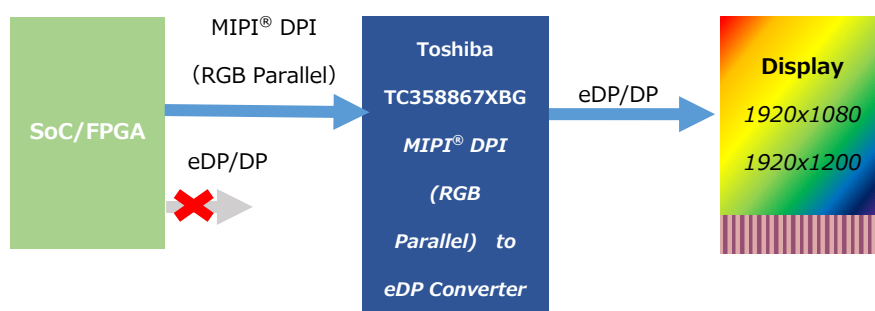
Part number	TC358867XBG	TC358767AXBG
Overview		
Package type	BGA	BGA
Ball pitch	0.65 mm	0.5 mm
Ball count	80	81
Package size	7 × 7 mm	5 × 5 mm
ES	Available	Available
MP	April, 2018	Available

# Application Circuit Example

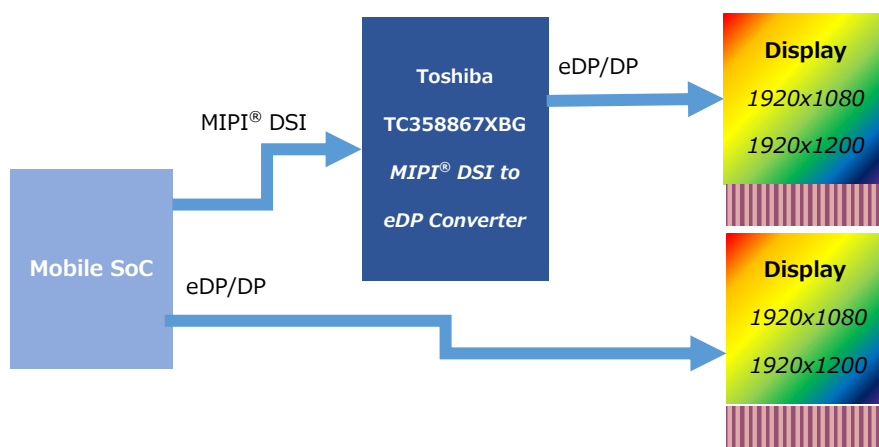
## (1) Connection from mobile SoC to eDP display panel



## (2) Connection from SoC or FPGA to eDP display panel



## (3) Dual panel



Note: The system configuration example shown above is provided for reference purposes only. Thorough evaluation is required, especially at the mass production design stage. Any license to any industrial property rights is not by providing this example.

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\*DisplayPort™ is a trademark owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

\*All other company names, product names, and service names may be trademarks of their respective companies.

This product is under development as of the release date of this document. Please note that the development may stop or change without any prior notice for any reason. At this time, we are unable to provide samples or sell mass- production versions of this product. Due to the ongoing development of the product, the product descriptions listed herein may differ from the specifications of sample or mass-production versions of this product that may be released. In particular, we neither guarantee any of the characteristics, features and performance data outlined in this document nor shall any deviation between the information contained in this document and the final specifications of the product entitle you to any compensation claim. Please contact our sales representatives for details of development progress and the latest versions of relevant product information.

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