



LCEDI connector family

March 28, 2011

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LCEDI stands for:

L CD
C oaxial
E mbedded
D isplay
I nterface



LCEDI Overview

- LCEDI connectors provide interconnection between notebook LCD panel and main processor board using micro coax cable at speeds of 2.7Gbps.
- LCEDI connectors are designed to provide exceptional electrical performance in both low-voltage differential signaling (LVDS) and embedded DisplayPort (eDP) applications. This family of connectors is licensed by I-PEX CO., LTD. and is fully compatible and intermateable with I-PEX CABLINE-VS connector series, recently selected by VESA (Video Electronics Standard Association) as the global standards connector for LED backlight, wide panel (16 x 9) interface.

VESA, DisplayPort and Embedded DisplayPort are trademarks of the Video Electronics Standards Association
I-PEX CABLINE-VS is a trademark of I-PEX CO., LTD.



Features and Benefits

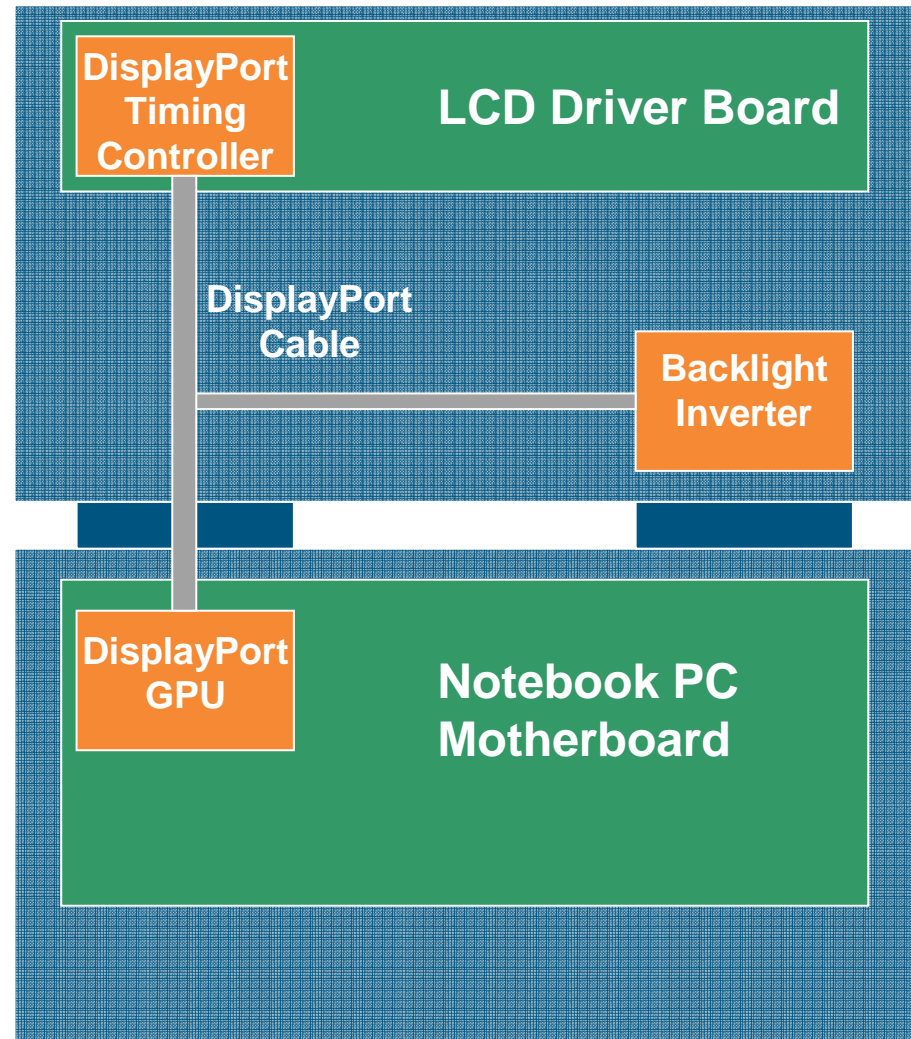
- Ultra-low profile mating configuration
- Compatible & intermateable with I-PEX CABLINE-VS connector series
- Twin leaf contact structure
- Mixed cable use
 - Micro coax (twin coax AWG 40 or smaller)
 - Discrete wire (AWG 32 PTFE or smaller)
- User friendly design
 - Friction lock mechanism at shell when mated
 - Full lock mechanism with pull bar (optional)

I-PEX CABLINE-VS is a trademark of I-PEX CO., LTD.



Applications

- Slim LED backlight LCD panel
- Notebook PC applications



DisplayPort is a trademark of the Video Electronics Standards Association

LCEDI

- LCEDI connectors and cable assemblies are based on VESA new 16 x 9 panel industry standard, featuring new “green” LED backlit display panels and digital signal transmission (eDP) providing added battery life.
- LCEDI provides interconnection between notebook LCD panel and main processor board using micro coax cable (as seen on previous slide) at speeds of 2.7Gbps/sec.
- Connector has excellent electrical performance and an ultra low profile for next generation notebooks.

VESA is a trademark of the Video Electronics Standards Association



Data Transmission

- Our TE Connectivity LCEDI connector family accommodates consistent digital data transmission through one, two or four DisplayPort differential lanes at either a reduced bit rate of 1.62 Gbps or a high bit rate of 2.7 Gbps through each lane. Even faster data rates are possible over different wiring schemes. The product family offers high density for notebook PC applications, minimizing space and accommodating future pin out for LED backlight technology

DisplayPort is a trademark of the Video Electronics Standards Association

