![indie SEMICONDUCTOR]

iND87401
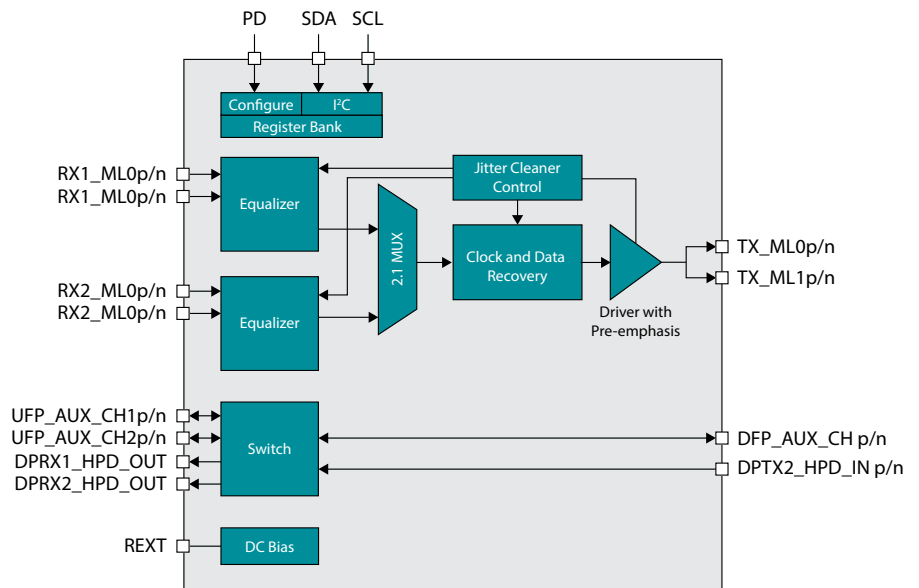
DisplayPort 1.4a Jitter Cleaning Multiplexer

iND87401 Features

- DisplayPort Multiplexer, Redriver, Retimer
- Supports Link Rates 1.62/2.7/5.4/8.1Gbps Link Rates
- Compliant to VESA DisplayPort 1.4a PHYTest Specification
- Support LTTPR Command Snooping
- Crystal-free Operation
- Low Inter-and Intra-pair Skew
- Programmable Receiver equalization and Pre-emphasis
- Operating Temperature: -400°C to 1050°C
- AEC-Q100 Grade 2
- 5x10mm 66-pin Exposed Paddle QFN package, RoHS Compliant, Halogen Free

Applications

- Advanced driver assistance systems (ADAS)
- Automotive infotainment
- Medical Imaging
- Industrial Instrumentation
- Notebooks & Docking Stations
- AR/VR

The iND87401 is a DisplayPort™ jitter-cleaner and 2:1 multiplexer. The device complies with the VESA DisplayPort standard Version 1.4 and supports Main Link Interface signaling up to HBR3 (8.1Gbps per lane). The iND87401 compensates for signal degradation caused by cables, PCB traces and connectors to produce a clean output data eye, completely resetting jitter budget. Additionally, the iND87401 supports extended temperature range and up to 8kV ESD protection, making it ideal for automotive and industrial applications.

Ordering Information

Part Number	Marking	Operating Temperature	Package
iND87401xxxxx	TNNNNN ZZZ YYWWVXXX	-40°C to +105°C	WQFN5x10-66