

# Interface IP

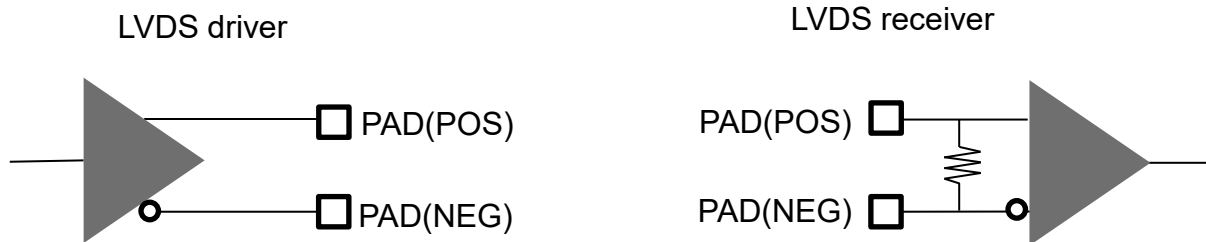
## LVDS I/O Buffer

### Overview

The LVDS I/O has driver and receiver of TSMC 16, 22, 28, 40nm and Samsung 14nm process.

- Support LVDS specification is TIA/EIA-644-A.
- LVDS driver and receiver support data rates up to 600Mbps to 1Gbps.
- ESD, LatchUp compliant with AEC-Q100 for automotive.
- Power supplies  $1.8V \pm 0.15V$  for IO and core power supplies.

### Block Diagram



### Lineup & Status

Category	IP	Up to	TSMC					
			40LP/ULP	28HPC/HPC+	22ULP	16FFC	12FFC	N7/N7+
Interface	LVDS (TIA/EIA-644-A, IEEE1596.3)	1Gbps	●	●	●	●	○	●

Category	IP	Up to	Samsung
			14LPC
Interface	LVDS (TIA/EIA-644-A)	609Mbps	●

● Ready for MP ○ In development ✓ In planning

PMO-25-033  
R06PF0010EJ0102