

Comparison with Prior Art

Metric \ Ref. #	TCAS 2017 LPDDR4 [3]	ISSCC 2016 Kandou [2]	ISSCC 2013 GRS [1]	This Work
Signaling Style	Single-Ended	CNRZ-5	Single-Ended	Single-Ended
Data Rate / Pin [Gb/s]	10.0	20.83	20.0	25.0
Reach	100mm	12mm	4.5mm	80mm
Type of Packaging	MCM or PCB	MCM	MCM	MCM or PCB
CMOS Technology	65nm	28nm	28nm	16nm
Energy / Bit [pJ/bit]	4.18	0.94	0.54	1.17