

VERVESEMI 5G DATA CONVERTERS

FOR BASESTATIONS, PICO & FEMO CELLS

Patents on key ADCs & DACs Technologies

28NM ADC & DAC

AD14CT75MU28HPCP

- 14Bit 3.2Gsps
- Bandwidth 75MHz

DA12B5000M28HPC

- 12Bit 5Gsps
- Bandwidth 600MHz

- Low Area
- Low Power
- Multiple Patents
- Silicon Proven in multiple Fab

8NM ADC & DAC

ADIQ12B4G08NLL

- 12Bit 4Gsps IQ ADC
- Bandwidth 1.5GHz
- Smallest Calibration

ADIQ12B1G08NLL

- 12Bit 1Gsps IQ ADC

DAIQ14CS4G08NLL

- 14Bit 4Gsps IQDAC
- Bandwidth 2GHz
- Inbuilt Self-Calibration

DAIQ12CS1G08NLL

- 12Bit 1Gsps IQDAC

Vervesemi Microelectronics

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ABOUT VERVESEMI

- Vervesemi is analog IP and product based Fabless company
- Vervemi was incorporated in Mid 2017 in India
- Vervesemi Team has accumulated 250 + years of experience with 300+ matured products in 20+ technology nodes.
- Has IPs in Samsung, TSMC, UMC, SMIC in 8nm, 28nm, 40nm, 180nm.
- Has global Customers base (USA, CHINA, S. KOREA, TAIWAN)
- Has Ultra low power and high performance IPs
- Has Patents on key ADC & DACs Technologies

ANALOG & CONVERTERS KEY PORTFOLIO

Domain	Part number	Specifications	Tech.
Seismic/ Medical/ Sensor/Metering	AFE24B1K/ AD24BDSADC	24b 4Ksps ADC	180nm
	AD24B14KS180NM	24b 14.4 ksps ADC	180nm
	AD24B128KS180NM	24b 128 Ksps ADC	180nm
	AD24B19KS180NM	24b 19.2Ksps ADC	180nm
Microcontroller	AD12BSAR5M40LP	12b 5Msps ADC	40nm
	AD16B5MSAR40LP	16b 5Msps ADC	40nm
Audio	AD18SD28HPC	18b Audio ADC	28nm
Video/WIFI/DOCSIS	AD12BSAR180M28HPC	12b 180Msps ADC	28nm
	DAIQ12B640M28HPC	12b 640Msps DAC	28nm
Radar	AD14B75M28HPC	14b 3.2Gsps ADC	28nm
Generic Analog	LDOs, POR, Crystal oscillator, Temp sensor, PGAs		

IC PORTFOLIO

- Single phase Energy metering IC
- Industrial process control sensor IC
- Multi channel Temperature, Pressure, industrial Process control IC
- Energy exploration & seismic monitoring IC

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