

Applications Development Using SCL Devices

SCL has developed Standard Digital & Interface Devices, Regulators, Data Converters, Memories and MEMS Sensors which are listed below. Devices such as LVDS Transmitter, Programmable Low Drop Out Regulator, 8 Stage Static Shift Register, 8 bit Buffer (5V), Ring Oscillator, 64 Channel Analog Mux-Demux and Instrumentation Amplifier are under development.

Participation is invited, from Academic Institutions and R&D Organizations, for development of possible applications using these devices in their respective areas of interest or in other areas like Internet of Things (IOT). SCL will support all activities/efforts towards these developments.

For further details, please contact:

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List of Devices is as below:

I. Standard Digital & Interface Device

Sr. No.	Devices
1.	8-bit Binary Counter
2.	8-bit Shift Register
3.	8-bit Parallel to Serial Converter
4.	8-Channel MUX DMUX
5.	16-bit Buffer
6.	16-bit Transceiver
7.	Hex Schmitt Trigger Inverter
8.	Octal Buffer
9.	Quad LVDS Driver
10.	Quad LVDS Receiver
11.	Hex Buffer
12.	Quad 2-Input NAND Gate
13.	RS422 Transceiver
14.	Quad RS422 Driver
15.	RS485 Transceiver
16.	Serializer

II. Regulators

Sr. No.	Devices
1.	Linear Voltage Regulator 1.8V, 150mA
2.	Linear Voltage Regulator 1.8V, 1.6A
3.	Linear Voltage Regulator 1.2V, 1.6A
4.	Programmable Bias Generator

III. Data Converters

Sr. No.	Devices
1.	24-bit Sigma Delta ADC
2.	Reconfigurable Data Acquisition System (RDAS)
3.	14-bit, 10MSPS, Pipeline ADC
4.	14-bit, 5MSPS, Low Power Pipeline ADC
5.	12-bit, 8MSPS, Low Power Pipeline ADC
6.	12-bit, 20MSPS DAC

IV. Memories

Sr. No.	Devices
1.	Asynchronous SRAM 256Kb
2.	Synchronous SRAM 2Mb

V. MEMS Sensors

Sr. No.	Devices
1.	Pressure Sensor 0 – 1 bar
2.	Temperature Sensor PT1000
3.	Humidity Sensor 5% - 95% RH