

## **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**

<b>Sr. No.</b>	<b>Devices</b>
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**

<b>Sr. No.</b>	<b>Devices</b>
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

<b>Sr. No.</b>	<b>Devices</b>
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

<b>Sr. No.</b>	<b>Devices</b>
1.	Asynchronous SRAM 256Kb
2.	Synchronous SRAM 2Mb

### V. MEMS Sensors

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