

# Quick Start

## DEMO TDA9935 Demonstration Board for DAC1003D160

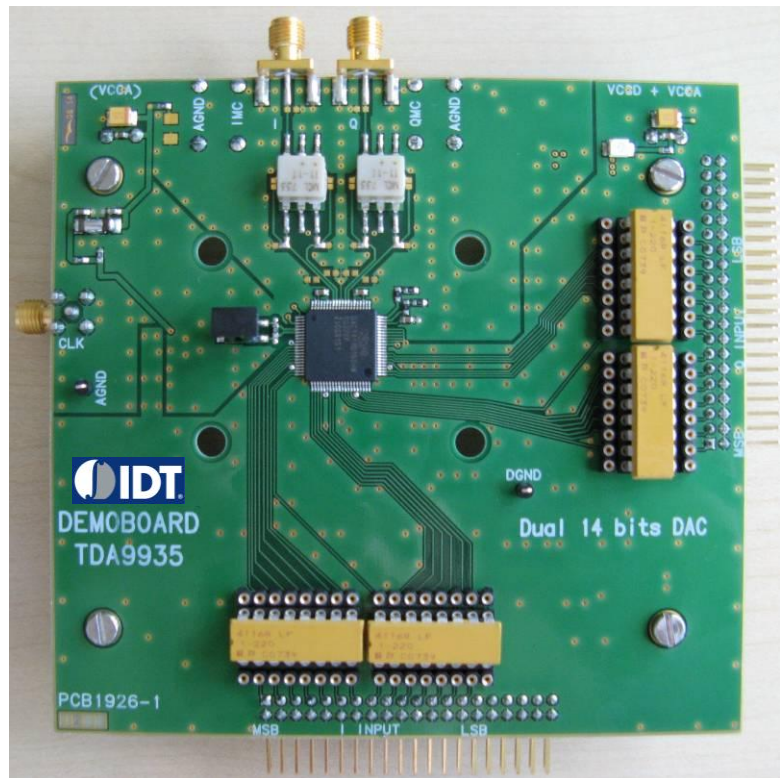
Rev. 2.0 — 2 July 2012

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### Document information

Info	Content
<b>Keywords</b>	DEMOBOARD TDA9935, PCB1926-1, Demonstration board, DAC, Converter, DAC1003D160
<b>Abstract</b>	This document describes how to use the demonstration board DEMOBOARD TDA9935 for the digital-to-analog converter DAC1003D160.

### Overview



### Revision history

Rev	Date	Description
2.0	20120702	Rebranded.
0.1	20080801	Initial version.

# 1. Quick start

## 1.1 Setup overview

Figure Fig 1 presents the connections to measure DAC1203D160.

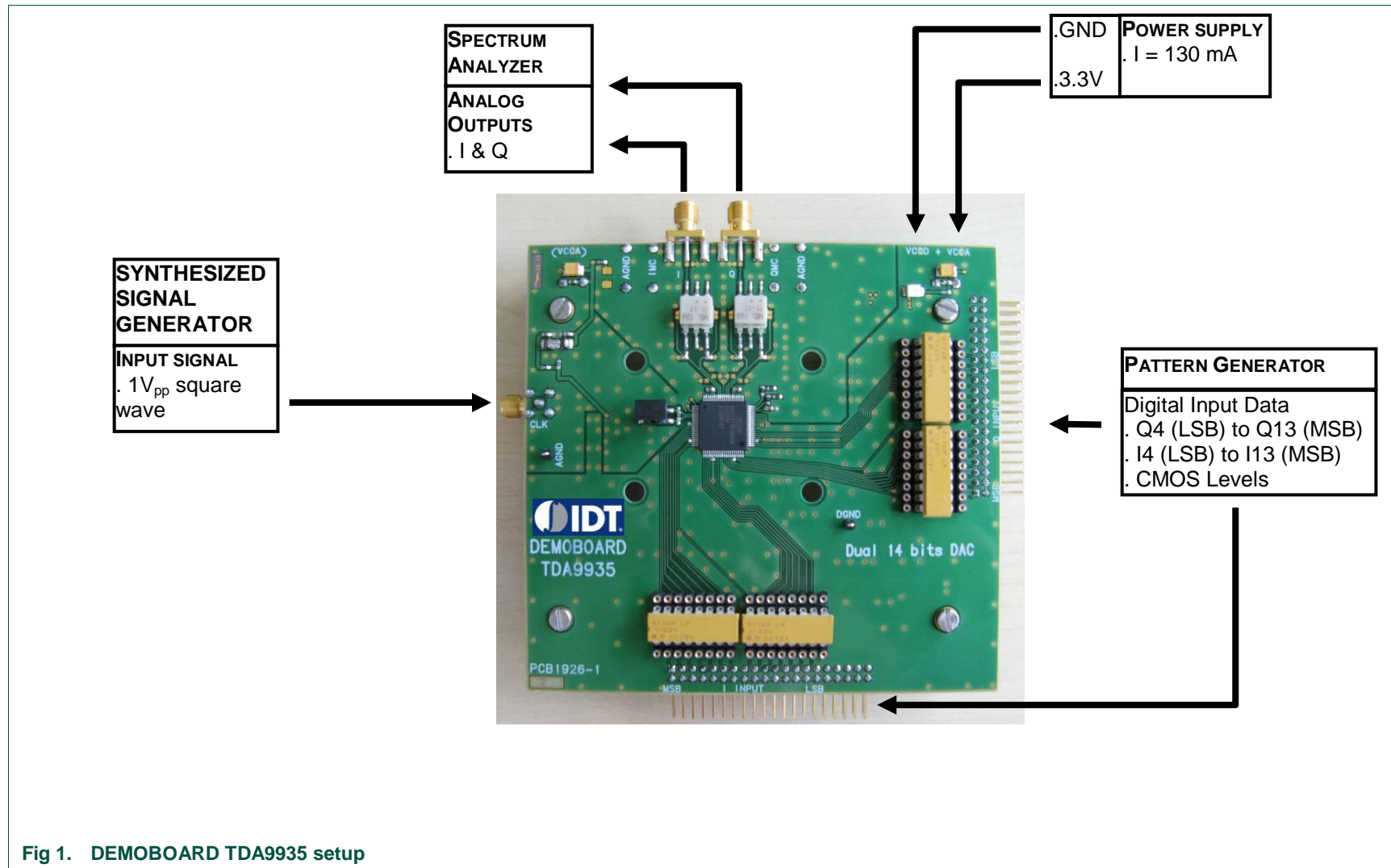
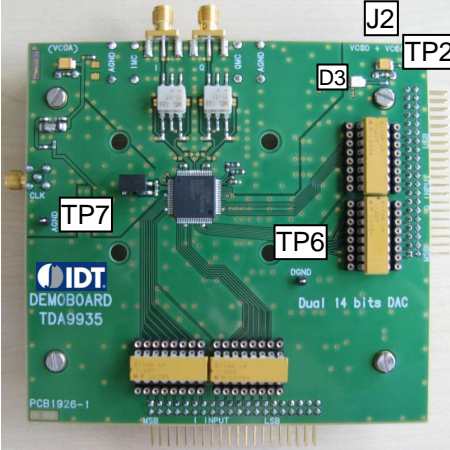


Fig 1. DEMOBOARD TDA9935 setup

## 1.2 Power supply

The board is powered with a single 3.3 V<sub>DC</sub> power supply.

**Table 1. General power supply**

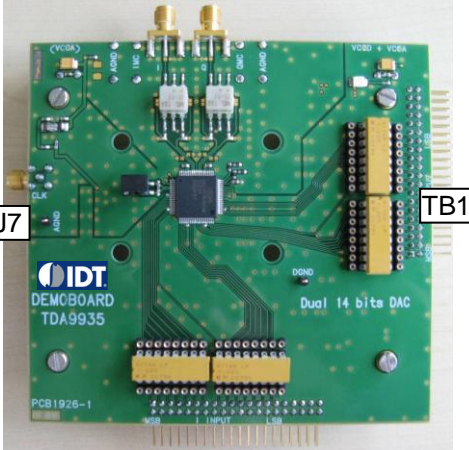
Name	Function	View
J2	+3V3 green connector – Power supply 3.3 V <sub>DC</sub> / 130 mA.	
D3	PWR green light – It indicates the good supply plugging	
TP6	DGND test point – Digital ground	
TP7	AGND test point – Analog ground	
TP2	+3V3 test point	

## 1.3 Input signals (Digital inputs I4 to I13, Q4 to Q13, CLK)

The input clock signal is square wave. The common mode of 1.65V is set on the demonstration board.

The digital Inputs are CMOS compatible.

**Table 2. Input signals**

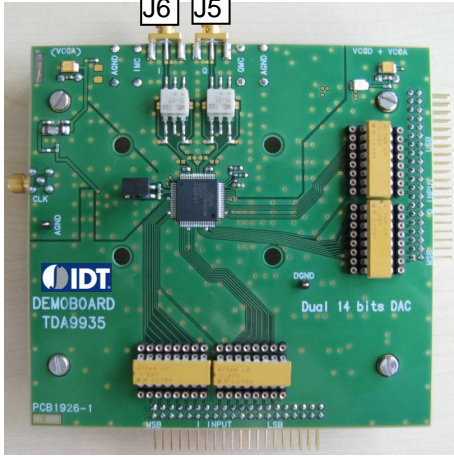
Name	Function	View
J7	CLK connector – Clock input signal (50Ω matching)	
TB1	Array connector – DAC digital input (Q0 to Q13)	
TB2	Array connector – DAC digital input (I0 to I13)	

## 1.4 Output signals (I & Q)

The analog output signal is 1Vpp.

The 1:1 transformers make the differential to single ended conversion.

Table 3. Output signals

Name	Function	View
J5	DAC analog output. I channel.	
J6	DAC analog output. Q channel.	