

**App Note 321: DS2152, DS2154 Interfacing to the IGT ALL1 SAR (WAC-021-C)**

Interconnections between the DS2152 or DS2154 and the IGT WAC-021-C are shown in Figure 1.

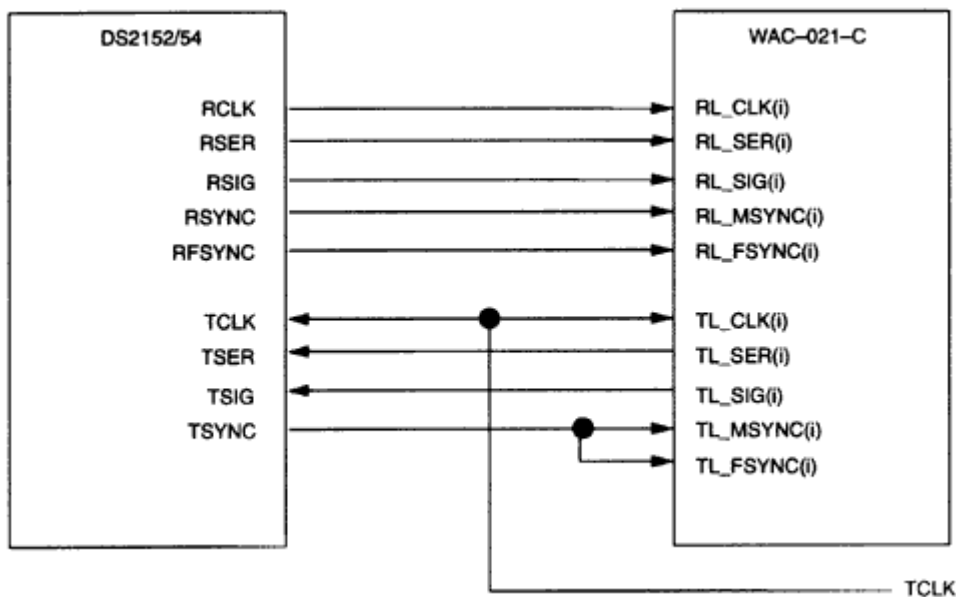


Figure 1. Transceiver to WAC-021-C PCM Interface

In the circuit shown above the framer outputs a multi-frame synchronization pulse on TSYNC. The signal drives both TL\_FSYNC and TL\_MSYN(i) of the WAC-021-C. TL\_FSYNC does not need to be driven at every frame boundary. TSYNC may be programmed as an input if the user wishes to define multiframe boundaries or slave several devices to the same multi-frame/frame boundary.

**Notes:**

1. The RSYNC and TSYNC pins on the DS2152, DS2154 are programmed as multiframe outputs.
2. Use default signaling mode on WAC-021-C.
3. Elastic Stores on DS2152, DS2154 are disabled.
4. The signal TCLK may be derived from RCLK of the DS2152, DS2154.

## **MORE INFORMATION**

DS2152: [QuickView](#) -- [Full \(PDF\) Data Sheet \(1.0M\)](#) -- [Free Sample](#)