

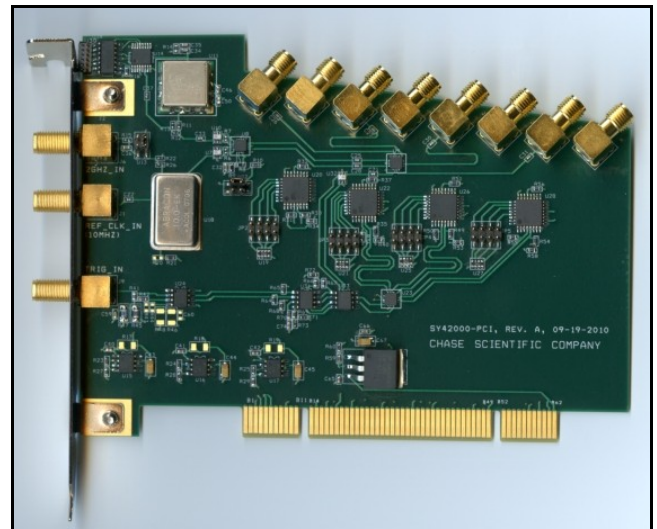
SY42000 - 4CH, 2.0 GSPS, Clock/Trigger Synthesizer & Synchronizer

Chase Scientific Company - *Innovators in Embedded Test & Measurement*

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FEATURES

- Designed to provide 2.0 GHz Master Clock & Trigger for up to (4) DA12000 cards
- Single half-sized PCI card
- Internal / External 2.0 GHz Master Clock (jumper)
- Internal / External 10 MHz Ref Clock (jumper)
- Up to 200 MHz External Reference Clock Range (configurable at factory)
- Master Clock Modulation Capability (1 MHz Bandwidth default)



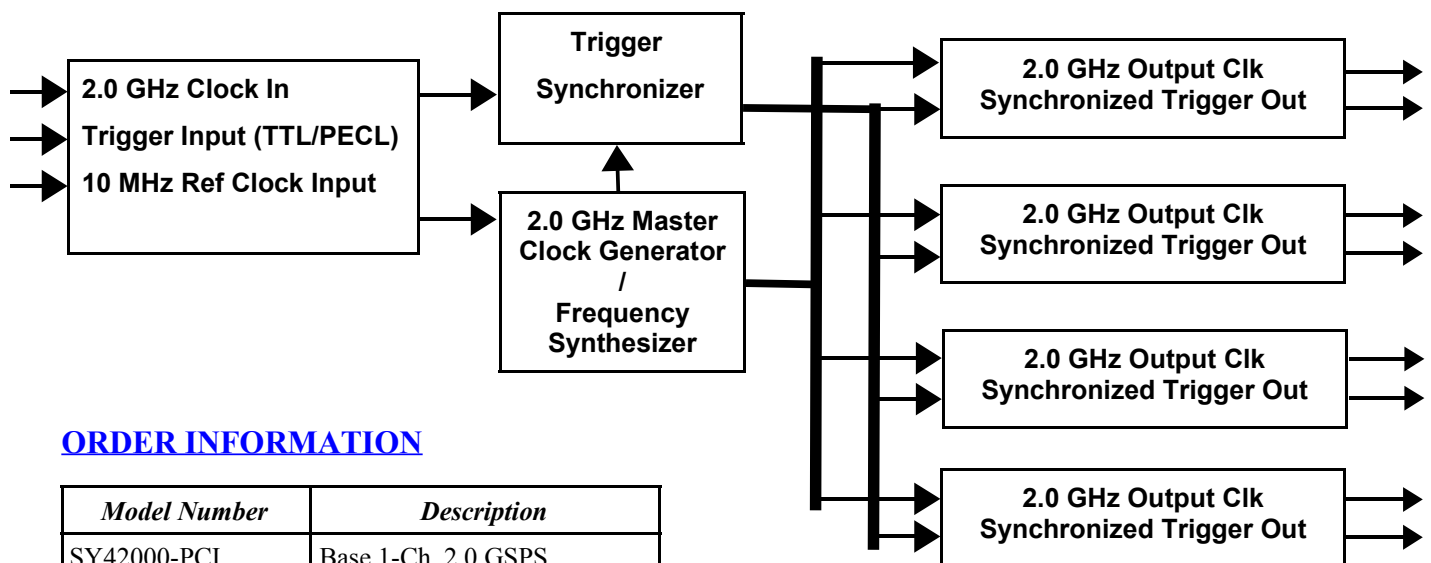
DESCRIPTION

General

The SY42000 is a PCI card designed to synchronize the clock and triggers of up to (4) DA12000 cards. It can use its internal 2.0 GHz master clock source or an external 2.0 GHz source provided by the customer. It can also both frequency and phase lock to an external 10 MHz reference clock (default) with a PLL bandwidth of 1 MHz. Custom configurations for other frequencies are available (contact factory).

Trigger Synchronization

The SY42000 is designed to be triggered by TTL input or PECL (call factory). The trigger signal is then synchronized to the 2.0 GHz master clock. The output of the board has (4) 2.0 GHz clocks and (4) trigger signals designed to interface with 1 - 4 DA12000 cards.



ORDER INFORMATION

Model Number	Description
SY42000-PCI	Base 1-Ch, 2.0 GSPS w/4MEG Memory
Option 1	Custom Ref Clock

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