

> **GS1662**

HD-, SD-SDI and DVB-ASI Transmitter Complete with SMPTE Video Processing

> **GS1670**

HD-, SD-SDI and DVB-ASI Receiver Complete with SMPTE Audio and Video Processing



Features

- > Integrated audio embedder for up to 8 channels of 48kHz audio
- > Integrated, low noise VCO and integrated ClockCleaner™
- > Integrated cable driver
- > Operation at 1.485Gb/s, 1.485/1.001Gb/s and 270Mb/s
- > Supports SMPTE 292M, SMPTE 259M-C and DVB-ASI
- > Ancillary data insertion
- > Parallel data bus selectable as either 20-bit or 10-bit
- > SMPTE video processing including TRS calculation and insertion, line number calculation and insertion, line based CRC calculation and insertion, illegal code re-mapping, SMPTE 352M payload identifier generation and insertion
- > GSPI Host Interface
- > 1.2V digital core power supply, 1.2V and 3.3V analog power supplies, and selectable 1.8V or 3.3V I/O power supply
- > -20°C to +85°C operating temperature range
- > Low power operation (350mW typical, including cable driver)
- > Small 11mm x 11mm 100-ball BGA package
- > Pb-free and ROHS compliant

Applications

- > Cameras
- > Camera Control units
- > Multiviewers
- > Production Switchers
- > Master Control Switchers
- > VTRs
- > Video Servers
- > Encoders/Decoders
- > Up/Down/Cross Converters
- > Audio Embedders
- > Format Detectors
- > Test and Measurement Equipment

Order Codes

- > GS1672-IBTE3: Lead-Free, RoHS Compliant, Tape and Reel-250 Pieces
- > GS1672-IBE3: Lead-Free, RoHS Compliant, Tray-168 Pieces

About Semtech

Company Overview
Management
Investors
Careers
Worldwide Locations

Media Center

Product Announcements
Business Announcements
Upcoming Events
Graphics / Collateral
Newsletter

Sites / Access

LoRa Microsite
mySemtech
m.semtech.com (Mobile)
Partner Portal
Site Map

Connect With Us

Contact Us
Sign Up for Newsletter
Leave Website Feedback

Follow:      

Semtech Is a Leading Analog & Mixed Signal Products Company

[Privacy Policy](#) | [Terms of Use](#) | [CA Transparency in Supply Chains Act](#)

©2017 Semtech Corporation. All rights reserved.

About Semtech

Company Overview
Management
Investors
Careers
Worldwide Locations

Media Center

Product Announcements
Business Announcements
Upcoming Events
Graphics / Collateral
Newsletter

Sites / Access

LoRa Microsite
mySemtech
m.semtech.com (Mobile)
Partner Portal
Site Map

Connect With Us

Contact Us
Sign Up for Newsletter
Leave Website Feedback

Follow:      

Semtech Is a Leading Analog & Mixed Signal Products Company

[Privacy Policy](#) | [Terms of Use](#) | [CA Transparency in Supply Chains Act](#)

©2017 Semtech Corporation. All rights reserved.

