
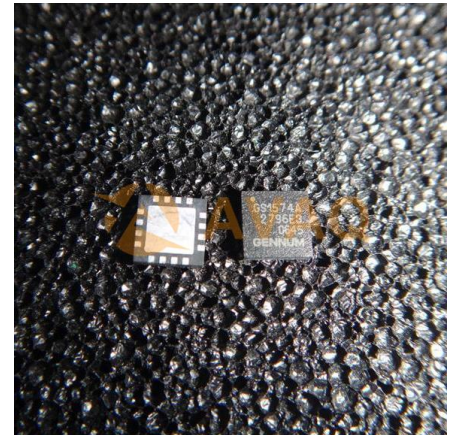


## Adaptive Cable Equalizer 16-Pin QFN T/R

<b>Manufacturer:</b>	<a href="#">Semtech Corporation</a>
<b>Package/Case:</b>	QFN16
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	NRND



Images are for reference only

[Inquiry](#)

### General Description

Not recommended for new designs.

Please use the [GS2994](#) for new designs.

The GS1574A is a second-generation high-speed BiCMOS integrated circuit designed to equalize and restore signals received over 75ohm co-axial cable.

### Key Features

- SMPTE 292M and SMPTE 259M compliant
- Automatic cable equalization
- Multi-standard operation from 143Mb/s to 1.485Gb/s
- Supports DVB-ASI at 270Mb/s
- Small footprint (4mm x 4mm)
- Pb-free and RoHS compliant
- Manual bypass (useful for low data rates with slow rise/fall times)
- Performance optimized for 270Mb/s and 1.485Gb/s
- Typical equalized length of Belden 1694A cable: 200m at 1.485Gb/s, 350m at 270Mb/s
- 50 Ohm differential output (with internal 50 Ohm pull-ups)
- Manual output mute or programmable mute based on max cable length adjust
- Single 3.3V power supply operation
- Operating temperature range: 0°C to +70°C

### Application

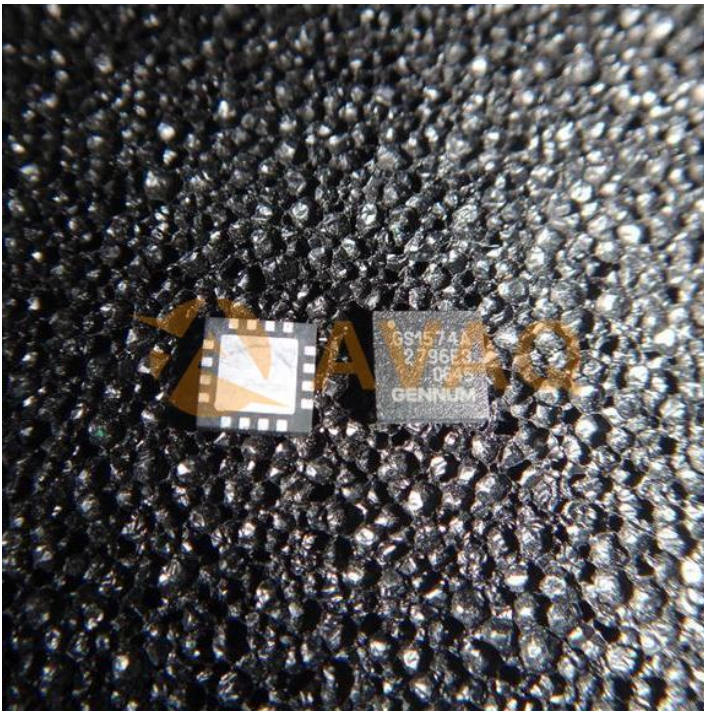
SMPTE 292M and SMPTE 259M Coaxial Cable Serial Digital Interfaces.

#### Order Codes

GS1574ACTE3: Lead-Free, RoHS Compliant, Tape and Reel-250 Pieces

GS1574ACNE3TH: Lead-Free, RoHS Compliant, Tape and Reel-250 Pieces

GS1574ACNE3: Lead-Free, RoHS Compliant, Tray-490 Pieces



## Recommended For You

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### **GS2984-INE3**

Semtech Corporation

QFN16

### **GS12090-INE3**

Semtech Corporation

QFN

### **GS12141-INE3**

Semtech Corporation

QFN40

### **GS3490-INE3**

Semtech Corporation

QFN

### **GS3440-INE3**

Semtech Corporation

QFN

### **GS2984-INE3**

Semtech Corporation

QFN

### **GS2994-INE3**

Semtech Corporation

QFN

### **GS6042-INE3**

Semtech Corporation

GS6042-INE3

### **GS12241-INE3**

Semtech Corporation

QFN

### **GS3140-INE3**

Semtech Corporation

QFN

### **GS3590-INE3**

Semtech Corporation

GS3590-INE3

### **GS3440-INTIE3**

Semtech Corporation

GS3440-INTIE3

### **GS3140-INTIE3**

Semtech Corporation

16-VQFN

### **GS2993-INE3**

Semtech Corporation

QFN

### **GN2044SINE3**

Semtech Corporation

QFN-32