



AC571G1

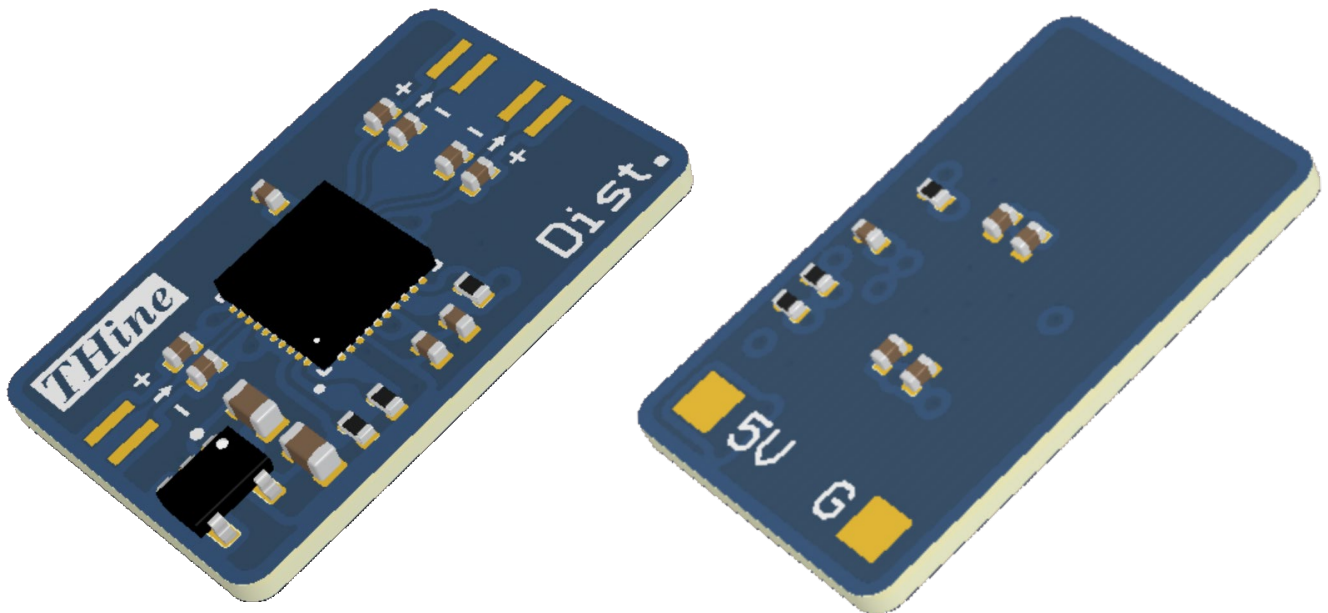
V-by-One[®] HS Distributor

Introduction

AC571G1 is a high performance V-by-One[®] HS distributor. It has also the equalizer function for long distance transition.

Feature

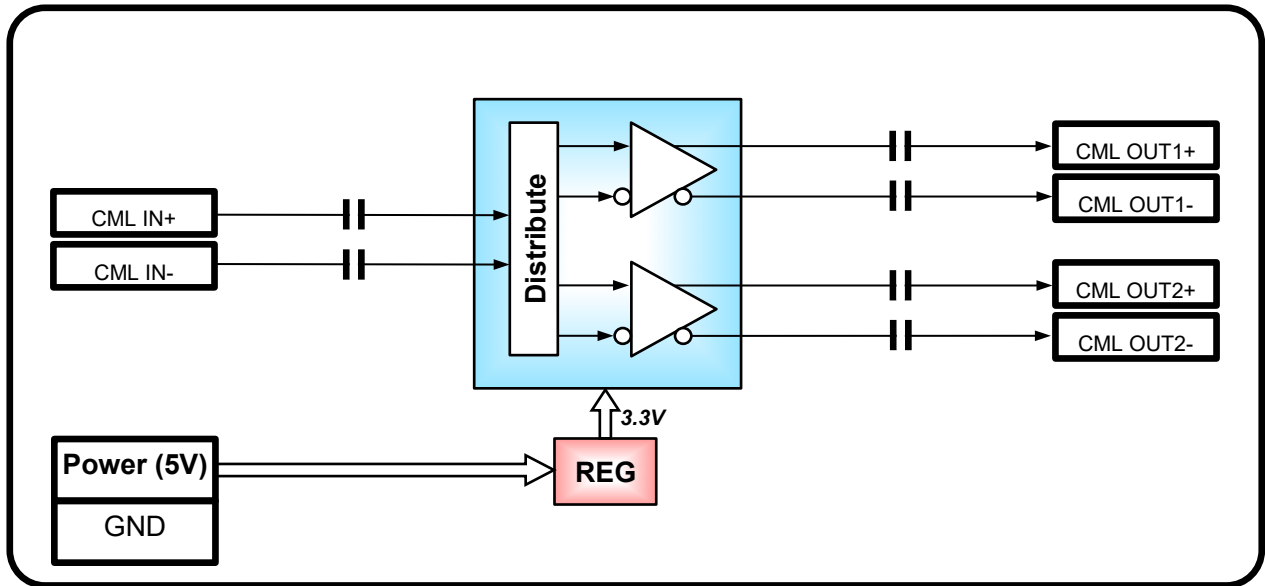
- Supported interface	: V-by-One [®] HS signal up to 4Gbps
- Distribution IC	: THine Electronics, Inc.
- Adjustable Swing Level	: 600mV / 1000mV / 1300mV
- Adjustable Equalizing Level	: T.B.D. @4Gbps
- Adjustable De-Emphasis	: T.B.D.
- Power Supply	: 5V
- Power Consumption	: T.B.D
- Temperature Range	: 0°C to 70°C
- Module Size	: width 12.5mm * length 20.0mm



The distributor IC on this board is a working sample. To design for production with this solution, please contact: California Eastern Laboratories, Inc.

thine@cel.com

Block Diagram

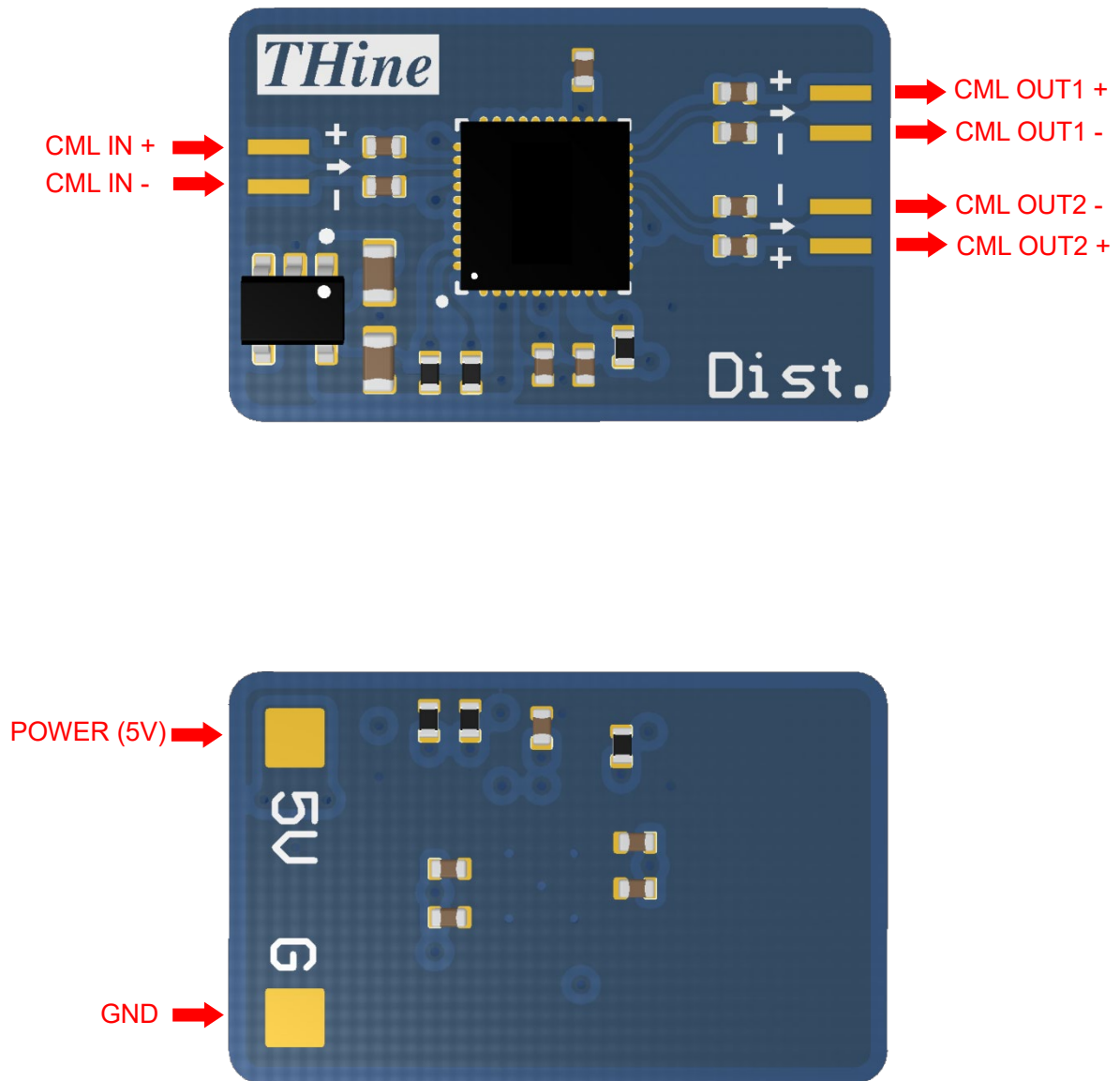


Condition

	Specification
Model	AC571G1
Supply Voltage	DC5V±10%
Power Consumption	T.B.D
Operating Temperature	0°C~70°C
Storage Temperature	-40°C~125°C
Flammability	UL94V-0
Module Size	12mm * 35mm
PCB Color	Blue

Cable Soldering PAD

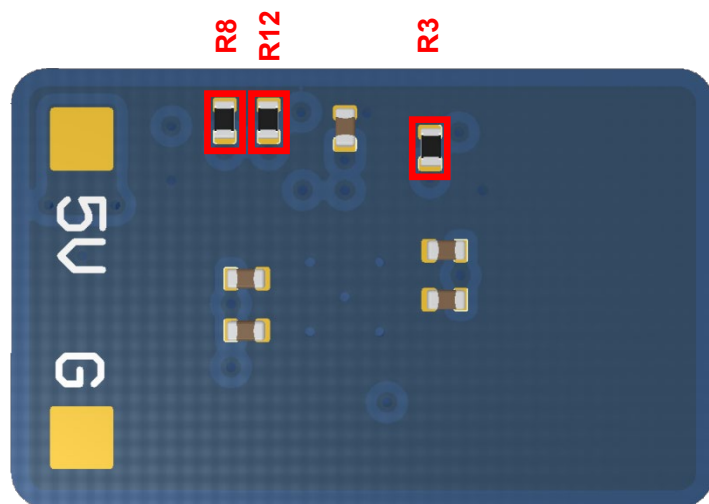
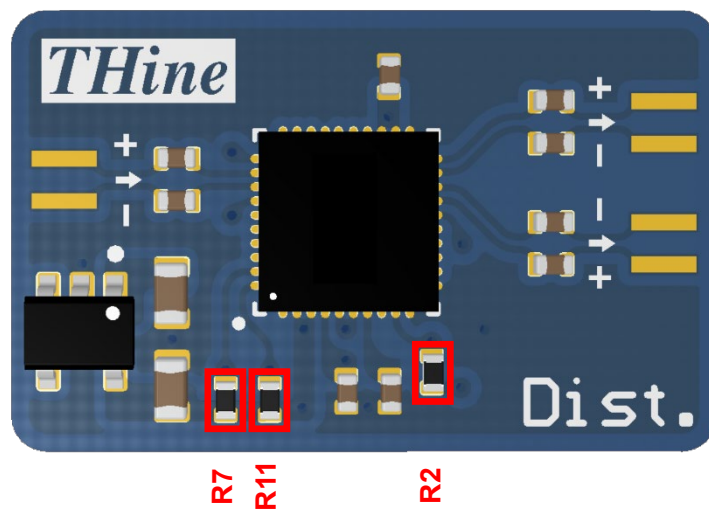
Positions of cable soldering PAD are indicated as below.



Resistor

AC571G1 has three kinds of gain setting (SWING LEVEL, EQ LEVEL & DE-EMPHASIS LEVEL) for channel.

Below resistors change these levels.



OUTPUT SWING LEVEL

SWING LEVEL [mV]	Resistor	
	R7	R8
1300	0Ω	N.C.
1000 (default)	N.C.	N.C.
600	N.C.	0Ω

EQUALIZER LEVEL

EQ LEVEL [dB]	Resistor	
	R2	R3
T.B.D.(High)	0Ω	N.C.
T.B.D.(Middle) (default)	N.C.	N.C.
T.B.D. (Low)	N.C.	0Ω

DE-EMPHASIS LEVEL

DE-EMPHASIS LEVEL [dB]	Resistor	
	R11	R12
T.B.D.(High)	0Ω	N.C.
T.B.D.(Middle) (default)	N.C.	N.C.
T.B.D. (Low)	N.C.	0Ω

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