# LITIX™ Linear TLE4242G Demoboard TLE4242G Manual

January 2019
V1.0

# Agenda

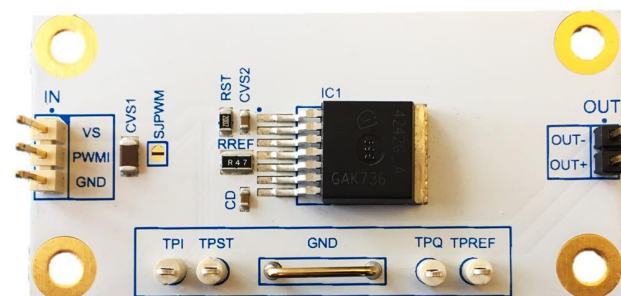| | |
|---|---|
| **1** | Board description |
| **2** | Quick start |
| **3** | Schematic and layout |

# Agenda

| 1 | Board description |
|---|---|
| 2 | Quick start |
| 3 | Schematic and layout |

# Board description

› Equipped with one LITIX™ Linear TLE4242G device

› Output current set ~370 mA

› Supported supply voltage range: 8V – 16V

› Possibility to control with external PWM signal

› Connector for external load

› 6cm x 3cm 2-layer FR4 PCB with 35µm copper

# Agenda

| | |
|---|---|
| **1** | Board description |
| **2** | Quick start |
| **3** | Schematic and layout |

# Quick start

› Connect power supply to VS/PWMI and GND (voltage between 8V – 16V)

  – Alternatively close SJPWM to connect only VS to supply

› Connect external LED load (e.g. Vf ~7V) to OUT+ and OUT- with ILED>370 mA

› Enable power supply

# Agenda

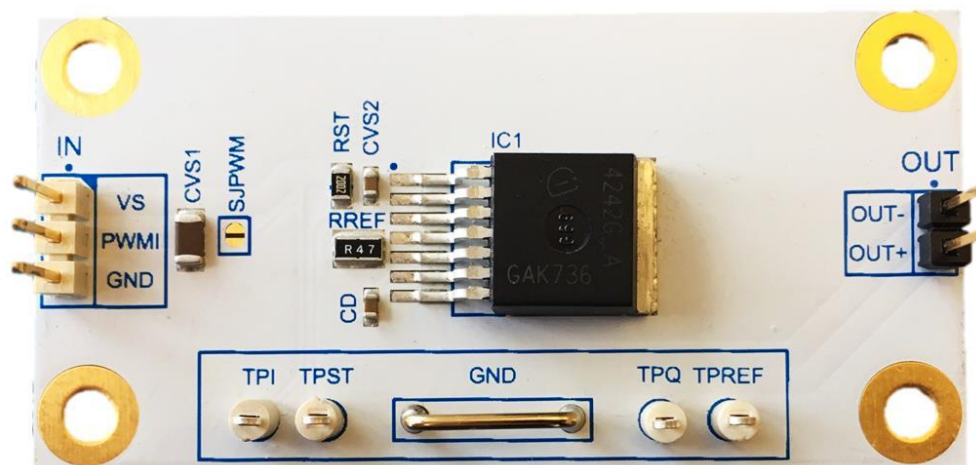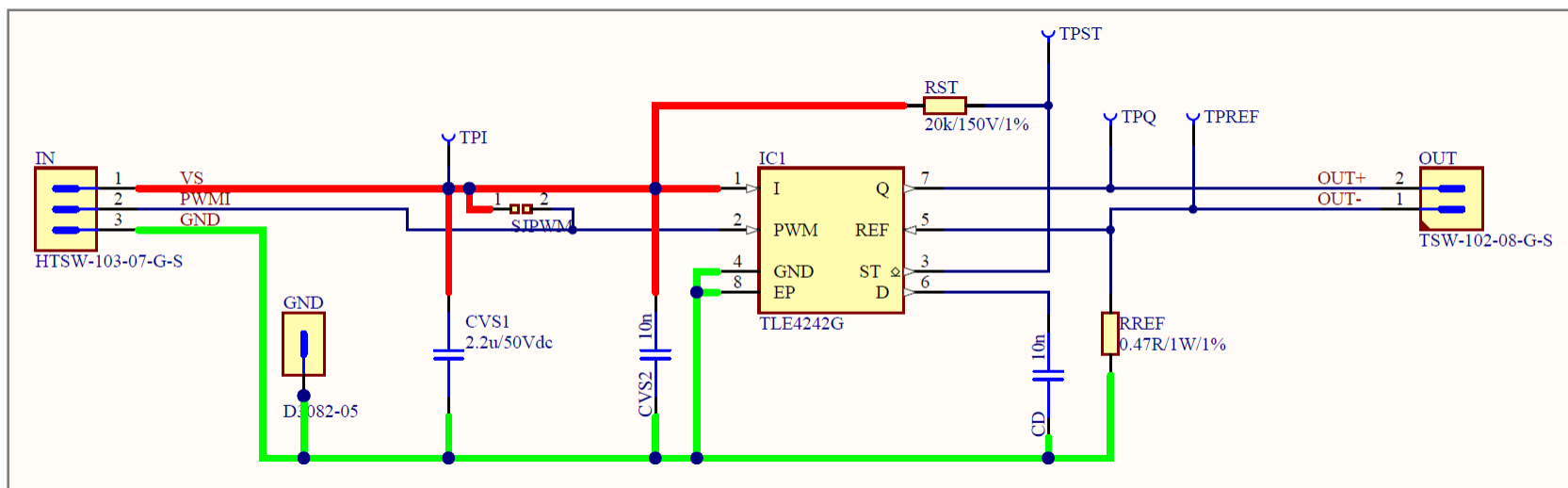| | |
|---|---|
| **1** | Board description |
| **2** | Quick start |
| **3** | Schematic and layout |

# Schematic and layout

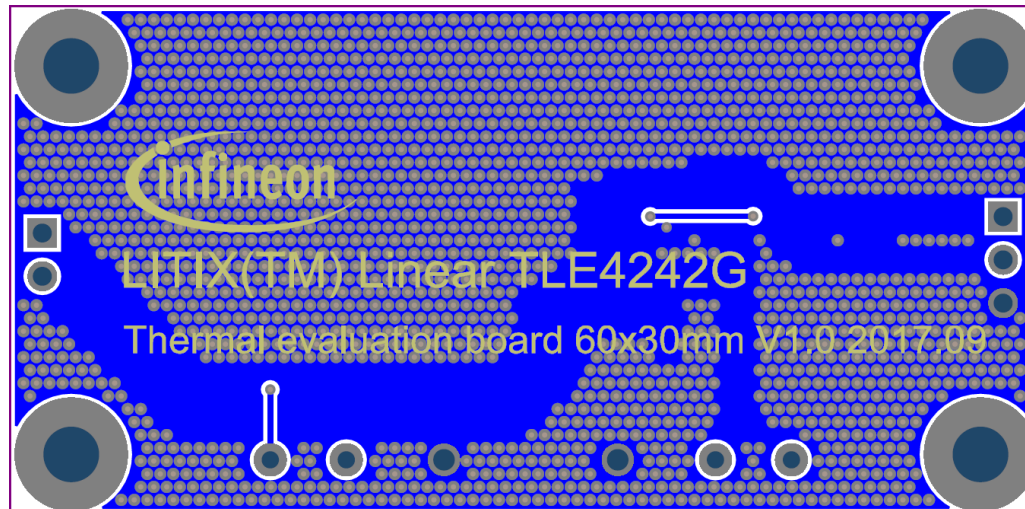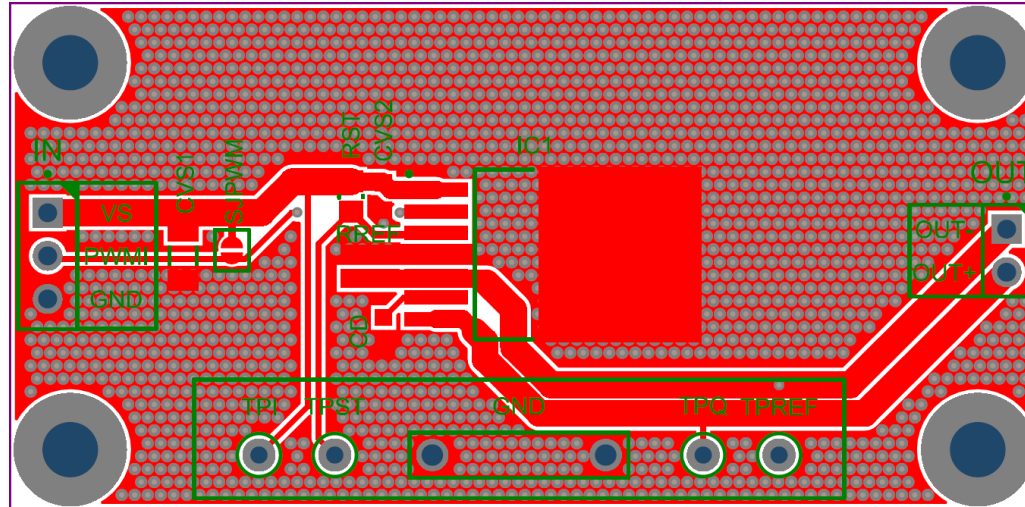› The schematic and layout designs are shown in the following pages

# Schematic

# PCB Layout
## Top and bottom layer

Part of your life. Part of tomorrow.