

# TLP385

## 1. Applications

- Programmable Logic Controllers (PLCs)
- AC Adapters
- I/O Interface Boards

## 2. General

TLP385 is a photocoupler of high isolation type that consists of phototransistor optically coupled to an infrared LED in a 4-pin SO6L package.

TLP385 is guaranteed high isolation voltage (5000 Vrms).

Since TLP385 has a small and thin package compared with a standard DIP package, it is suitable for high-density surface mounting applications such as programmable controllers.

## 3. Features

- (1) Collector-emitter voltage: 80 V (min)
- (2) Current transfer ratio: 50 % (min)  
GB Rank: 100 % (min)
- (3) Isolation voltage: 5000 Vrms (min)
- (4) Operating temperature: -55 to 110 °C
- (5) Safety standards

UL-recognized: UL 1577, File No.E67349

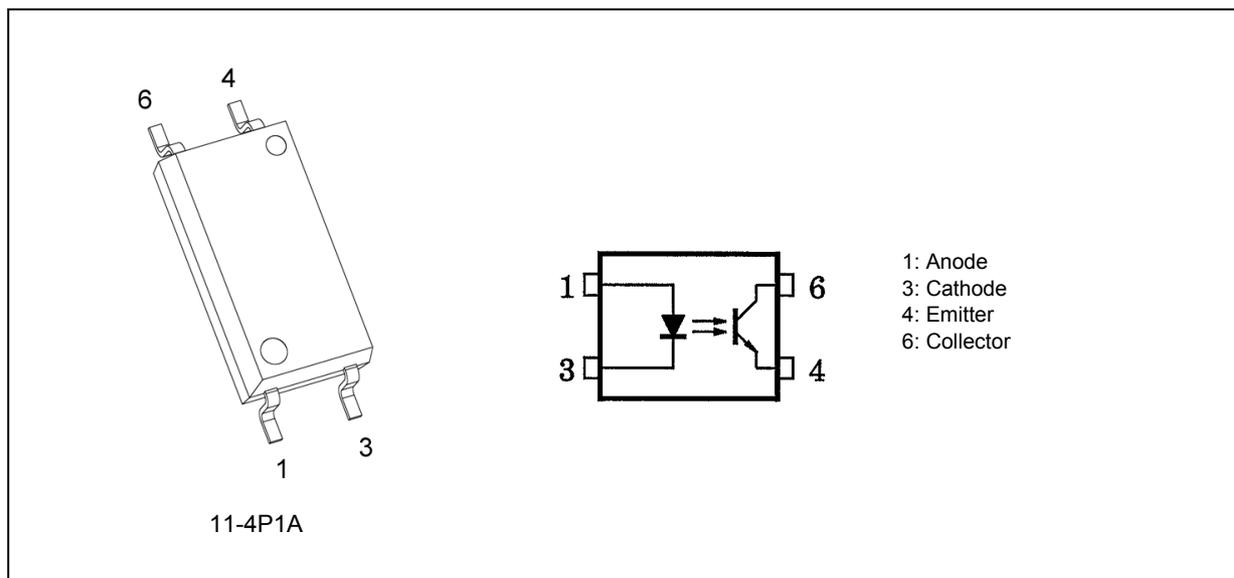
cUL-recognized: CSA Component Acceptance Service No.5A File No.E67349

VDE-approved: EN 60747-5-5, EN 62368-1 (**Note 1**)

CQC-approved: GB4943.1, GB8898 Japan and Thailand Factory

Note 1: When a VDE approved type is needed, please designate the **Option (D4)**.

## 4. Packaging and Pin Assignment



Start of commercial production  
2014-08