



Search



[Products \(javascript:;\)](#)

[Applications \(javascript:;\)](#)

[Design Resources](#)

[Investors \(javascript:;\)](#)

[About Silergy \(javascript:;\)](#)

[ESG](#)

[Home \(http://domain.com/\)](#)

[Products \(http://domain.com/\)](#)

[Protection Switches \(http://domain.com/classoverview/Protection+Switches\)](#)

[USB Switches \(http://domain.com/classoverview/USB+Switches\)](#)

[USB Type C \(http://domain.com/list/USB+Type+C\)](#)

[\(http://domain.com\)](#)

SY20825PTC (SY6881PTC)

✓

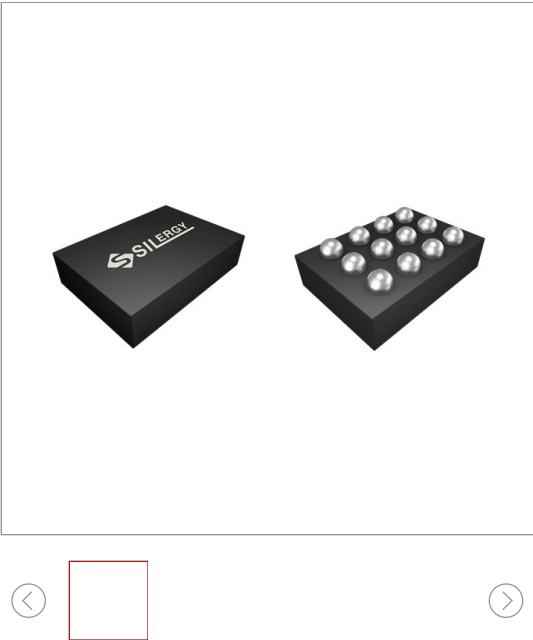
Production

Programmable 5A Over-voltage Protection Switch

Datasheet

SY20825PTC Programmable 5A Over-voltage Protection Switch Datasheet

[\(http://domain.com/download/downloadFile?id=4660&type=product&ftype=note\)](#)



Parameters	Features	Description
Part number	SY20825PTC	
Channel(#)	1	
Vin (min) (V)	2.5	
Vin (max) (V)	28	
Iout (max) (A)	5	
Iq (typ) (uA)	100	
Protection mode	Auto-recovery OVP, Surge Protection	
Ron (typ) (mΩ)	32	
Soft start	Fixed	
Output discharge	NO	
Enable logic	High	
Certification recognition		
Features		
Package	CSP1.32×1.86-12	
Operating temperature range(°C)	-40 to 125	
Functional safety category		

[View Less \(javascript:;\)](#)

Evaluation Board

The EVB_SY20825PTC is used to evaluate a programmable over voltage protection with high current capability to prevent damage to the downstream system with high voltage rating.

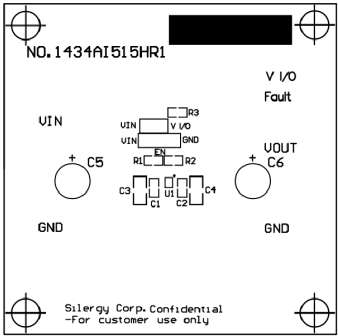
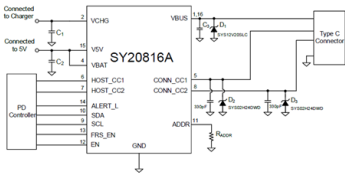


Photo of evaluation board

Technical Documentation

Title	Date
Automotive_Solutions_Q1_2026 (http://domain.com/download/downloadfile?id=38127&type=product&ftype=other&show=download)	2026-03-01
Silergy_Catalog_Q1_2026 (http://domain.com/download/downloadfile?id=37462&type=product&ftype=other&show=download)	2026-02-01
CSP1.32x1.86-12 (http://domain.com/download/downloadfile?id=12148&type=product&ftype=other&show=download)	2021-12-01

Similar Products



SY20816AQLC
2 to 1 Power MUX for USB PD
Application

Products

- [AC LED Driver \(http://domain.com/classOverview/AC+LED+Drivers\)](http://domain.com/classOverview/AC+LED+Drivers)
- [DC LED Driver \(http://domain.com/classOverview/DC+LED+Drivers\)](http://domain.com/classOverview/DC+LED+Drivers)
- [Power Modules \(http://domain.com/list/Power+Modules+\)](http://domain.com/list/Power+Modules+)
- [Battery Management ICs \(http://domain.com/classOverview/Battery+Management+ICs\)](http://domain.com/classOverview/Battery+Management+ICs)

Design resources

- [Online Simulation \(http://domain.com/onlineSimulation\)](http://domain.com/onlineSimulation)
- [Reference Design \(http://domain.com/design\)](http://domain.com/design)
- [Quality & Reliability \(http://domain.com/quality\)](http://domain.com/quality)

About Silergy

- [Company Profile \(http://domain.com/company\)](http://domain.com/company)
- [Recruitment \(http://domain.com/recruitment\)](http://domain.com/recruitment)
- [Contact Us \(http://domain.com/contact\)](http://domain.com/contact)

Applications

- [Building Automation \(http://domain.com/useOverview/Building+Automation\)](http://domain.com/useOverview/Building+Automation)
- [Consumer Electronics \(http://domain.com/useOverview/Consumer+Electronic\)](http://domain.com/useOverview/Consumer+Electronic)
- [Home Appliances \(http://domain.com/useOverview/HEA\)](http://domain.com/useOverview/HEA)
- [Automotive \(http://domain.com/useOverview/Automotive\)](http://domain.com/useOverview/Automotive)

Connect With Us

- USA: +14087465696 (javascript:;)
- EMEA: +46708760142 (javascript:;)
- KOREA: +827086678128 (javascript:;)
- JAPAN: +81452289856 (javascript:;)