STR-NCP45560-ECOSWITCH-GEVB: Strata Enabled NCP45560 ecoSWITCH Load Switch EVB

The STR-NCP45560-ECOSWITCH-GEVB provides an evaluation board for the NCP45560 ecoSWITCH load switch using Strata Developer Studio. The NCP45560 offers a component and area-reducing solution for power domain switching with ultra-low on resistance, in-rush current limiting via soft-start, short-circuit protection, thermal protection, and power good signaling. This evaluation board is used with Strata to control the ecoSWITCH and monitor telemetry such as input/output voltage, current, and temperature. See the Strata webpage at www.onsemi.com/strata for more details!

Click to Download Strata

Features and Applications

Features

- Advanced Controller with Charge Pump
- Integrated N-Channel MOSFET with Ultra LowRON
- Input Voltage Range 0.5 V to 13.5 V
- Soft-Start via Controlled Slew Rate
- Adjustable Slew Rate Control
- Power Good Signal
- Thermal Shutdown
- Undervoltage Lockout
- Short-Circuit Protection
- Extremely Low Standby Current
- Load Bleed (Quick Discharge)

Applications

- Portable Electronics and Systems
- Notebook and Tablet Computers
- Telecom, Networking, Medical, and Industrial Equipment
- Set–Top Boxes, Servers, and Gateways

and Peripheral Ports

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
STR-NCP45560-ECOSWITCH-GEVB	Active	Pb-free	Strata Enabled NCP45560 ecoSWITCH Load Switch EVB	NCP45560IMNTWG-H	Buy

Technical Documents

Type	Document Title	Document ID/Size	Rev
Software	Strata Setup Software for Microsoft Windows	Strata setup Windows - 82652 KB 🔒	3.0.1.1
Eval Board: BOM	STR-NCP45560-ECOSWITCH-GEVB Bill of Materials (ROHS Compliant)	STR-NCP45560-ECOSWITCH-GEVB_BOM_ROHS - 247 KB	0
Eval Board: Gerber	STR-NCP45560-ECOSWITCH-GEVB Gerber Layout Files (Zip Format)	STR-NCP45560-ECOSWITCH-GEVB_GERBER - 376 KB	0
Eval Board: Schematic	STR-NCP45560-ECOSWITCH-GEVB Schematic	STR-NCP45560-ECOSWITCH-GEVB_SCHEMATIC - 1130 KB	0
Eval Board: Test Procedure	STR-NCP45560-ECOSWITCH-GEVB Test Procedure	STR-NCP45560-ECOSWITCH-GEVB_TEST_PROCEDURE - 534 KB	0
Video	ecoSwitch Load Switch GEVB | Strata	WVD17393/D	
Eval Board: Manual	STR-NCP45560-ECOSWITCH-GEVB User Guide	STR-NCP45560-ECOSWITCH-GEVB_user_guide - 960 KB	0

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