

**PACKAGING INFORMATION**

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
TPS3850G09QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850BB	<a href="#">Samples</a>
TPS3850G12QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850CB	<a href="#">Samples</a>
TPS3850G18QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850DB	<a href="#">Samples</a>
TPS3850G25QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850EB	<a href="#">Samples</a>
TPS3850G30QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850FB	<a href="#">Samples</a>
TPS3850G33QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850GB	<a href="#">Samples</a>
TPS3850G50QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850HB	<a href="#">Samples</a>
TPS3850H01QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	(850AA, 850AB)	<a href="#">Samples</a>
TPS3850H09QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850JB	<a href="#">Samples</a>
TPS3850H12QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850KB	<a href="#">Samples</a>
TPS3850H18QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850LB	<a href="#">Samples</a>
TPS3850H25QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850MB	<a href="#">Samples</a>
TPS3850H30QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850NB	<a href="#">Samples</a>
TPS3850H33QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850PB	<a href="#">Samples</a>
TPS3850H50QDRCRQ1	ACTIVE	VSON	DRC	10	3000	RoHS & Green	NIPDAU   SN	Level-2-260C-1 YEAR	-40 to 125	850RB	<a href="#">Samples</a>

(1) The marketing status values are defined as follows:

**ACTIVE:** Product device recommended for new designs.

**LIFEBUY:** TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

**NRND:** Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

**PREVIEW:** Device has been announced but is not in production. Samples may or may not be available.

**OBSOLETE:** TI has discontinued the production of the device.

(2) **RoHS:** TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

**RoHS Exempt:** TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

**Green:** TI defines "Green" to mean the content of Chlorine (Cl) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of  $\leq 1000$ ppm threshold. Antimony trioxide based flame retardants must also meet the  $\leq 1000$ ppm threshold requirement.

(3) MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

(4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.

(5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.

(6) Lead finish/Ball material - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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**OTHER QUALIFIED VERSIONS OF TPS3850-Q1 :**

- Catalog : [TPS3850](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product