

PACKAGING INFORMATION

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TPS3850G12DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850CA
TPS3850G12DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850CA
TPS3850G12DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850CA
TPS3850G12DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850CA
TPS3850G18DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850DA
TPS3850G18DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850DA
TPS3850G18DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850DA
TPS3850G18DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850DA
TPS3850G30DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850FA
TPS3850G30DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850FA
TPS3850G30DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850FA
TPS3850G30DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850FA
TPS3850G33DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850GA
TPS3850G33DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850GA
TPS3850G33DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850GA
TPS3850G33DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850GA
TPS3850G50DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850HA
TPS3850G50DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850HA
TPS3850G50DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850HA
TPS3850G50DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850HA
TPS3850H01DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850AA
TPS3850H01DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850AA
TPS3850H01DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850AA
TPS3850H01DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850AA
TPS3850H12DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850KA
TPS3850H12DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850KA
TPS3850H12DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850KA
TPS3850H12DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850KA
TPS3850H18DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850LA

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TPS3850H18DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850LA
TPS3850H18DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850LA
TPS3850H18DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850LA
TPS3850H30DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850NA
TPS3850H30DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850NA
TPS3850H30DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850NA
TPS3850H30DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850NA
TPS3850H33DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850PA
TPS3850H33DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850PA
TPS3850H33DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850PA
TPS3850H33DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850PA
TPS3850H50DRCR	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850RA
TPS3850H50DRCR.A	Active	Production	VSON (DRC) 10	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	850RA
TPS3850H50DRCT	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850RA
TPS3850H50DRCT.A	Active	Production	VSON (DRC) 10	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	850RA

⁽¹⁾ **Status:** For more details on status, see our [product life cycle](#).

⁽²⁾ **Material type:** When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

⁽³⁾ **RoHS values:** Yes, No, RoHS Exempt. See the [TI RoHS Statement](#) for additional information and value definition.

⁽⁴⁾ **Lead finish/Ball material:** Parts 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.

⁽⁵⁾ **MSL rating/Peak reflow:** The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

⁽⁶⁾ **Part marking:** There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "~" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

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OTHER QUALIFIED VERSIONS OF TPS3850 :

- Automotive : [TPS3850-Q1](#)

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects