

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
LP38691DT-1.8	LIFEBUY	TO-252	NDP	3	75	Non-RoHS & Green	Call TI	Level-1-235C-UNLIM	-40 to 125	LP38691 DT-1.8	
LP38691DT-1.8/NOPB	ACTIVE	TO-252	NDP	3	75	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-1.8	Samples
LP38691DT-2.5/NOPB	ACTIVE	TO-252	NDP	3	75	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-2.5	Samples
LP38691DT-3.3	LIFEBUY	TO-252	NDP	3	75	Non-RoHS & Green	Call TI	Level-1-235C-UNLIM	-40 to 125	LP38691 DT-3.3	
LP38691DT-3.3/NOPB	ACTIVE	TO-252	NDP	3	75	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-3.3	Samples
LP38691DT-5.0/NOPB	ACTIVE	TO-252	NDP	3	75	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-5.0	Samples
LP38691DTX-1.8/NOPB	ACTIVE	TO-252	NDP	3	2500	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-1.8	Samples
LP38691DTX-2.5/NOPB	ACTIVE	TO-252	NDP	3	2500	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-2.5	Samples
LP38691DTX-3.3/NOPB	ACTIVE	TO-252	NDP	3	2500	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-3.3	Samples
LP38691DTX-5.0/NOPB	ACTIVE	TO-252	NDP	3	2500	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	LP38691 DT-5.0	Samples
LP38691QSD-1.8/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L256B	Samples
LP38691QSD-2.5/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L257B	Samples
LP38691QSD-3.3/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L258B	Samples
LP38691QSD-5.0/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L259B	Samples
LP38691QSDX-1.8/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L256B	Samples
LP38691QSDX-2.5/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L257B	Samples
LP38691QSDX-3.3/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L258B	Samples
LP38691QSDX-5.0/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L259B	Samples

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
LP38691SD-1.8/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L118B	Samples
LP38691SD-2.5/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L119B	Samples
LP38691SD-3.3/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L120B	Samples
LP38691SD-5.0/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L121B	Samples
LP38691SDX-1.8/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L118B	Samples
LP38691SDX-3.3/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L120B	Samples
LP38691SDX-5.0/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L121B	Samples
LP38693MP-1.8/NOPB	ACTIVE	SOT-223	NDC	5	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJVB	Samples
LP38693MP-2.5/NOPB	ACTIVE	SOT-223	NDC	5	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJXB	Samples
LP38693MP-3.3	LIFEBUY	SOT-223	NDC	5	1000	Non-RoHS & Green	Call TI	Level-1-260C-UNLIM	-40 to 125	LJYB	
LP38693MP-3.3/NOPB	ACTIVE	SOT-223	NDC	5	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJYB	Samples
LP38693MP-5.0/NOPB	ACTIVE	SOT-223	NDC	5	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJZB	Samples
LP38693MPX-1.8/NOPB	ACTIVE	SOT-223	NDC	5	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJVB	Samples
LP38693MPX-2.5/NOPB	ACTIVE	SOT-223	NDC	5	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJXB	Samples
LP38693MPX-3.3/NOPB	ACTIVE	SOT-223	NDC	5	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJYB	Samples
LP38693MPX-5.0/NOPB	ACTIVE	SOT-223	NDC	5	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LJZB	Samples
LP38693QSD-1.8/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L260B	Samples
LP38693QSD-2.5/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L261B	Samples
LP38693QSD-3.3/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L262B	Samples
LP38693QSD-5.0/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L263B	Samples
LP38693QSDX-1.8/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L260B	Samples

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
LP38693QSDX-2.5/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L261B	Samples
LP38693QSDX-3.3/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L262B	Samples
LP38693QSDX-5.0/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L263B	Samples
LP38693SD-1.8	LIFEBUY	WSON	NGG	6	1000	Non-RoHS & Green	Call TI	Level-1-260C-UNLIM	-40 to 125	L128B	
LP38693SD-1.8/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L128B	Samples
LP38693SD-2.5/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L129B	Samples
LP38693SD-3.3	LIFEBUY	WSON	NGG	6	1000	Non-RoHS & Green	Call TI	Level-1-260C-UNLIM	-40 to 125	L130B	
LP38693SD-3.3/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L130B	Samples
LP38693SD-5.0/NOPB	ACTIVE	WSON	NGG	6	1000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L131B	Samples
LP38693SDX-3.3/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L130B	Samples
LP38693SDX-5.0/NOPB	ACTIVE	WSON	NGG	6	4500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L131B	Samples

(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 <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm 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 LP38691, LP38691-Q1, LP38693, LP38693-Q1 :

- Catalog : [LP38691](#), [LP38693](#)
- Automotive : [LP38691-Q1](#), [LP38693-Q1](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects