

**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
LM193DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	LM193	<a href="#">Samples</a>
LM193DRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	LM193	<a href="#">Samples</a>
LM2903AVQDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	<a href="#">Samples</a>
LM2903AVQDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	<a href="#">Samples</a>
LM2903AVQPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	<a href="#">Samples</a>
LM2903AVQPWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	<a href="#">Samples</a>
LM2903BIDDFR	ACTIVE	SOT-23-THIN	DDF	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903B	<a href="#">Samples</a>
LM2903BIDGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	903B	<a href="#">Samples</a>
LM2903BIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903B	<a href="#">Samples</a>
LM2903BIDSGR	ACTIVE	WSON	DSG	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	903B	<a href="#">Samples</a>
LM2903BIPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903B	<a href="#">Samples</a>
LM2903D	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU   SN   NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(MAP, MAS, MAU)	<a href="#">Samples</a>
LM2903DGKRG4	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	(MAP, MAS, MAU)	<a href="#">Samples</a>
LM2903DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>
LM2903DRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	LM2903	<a href="#">Samples</a>

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LM2903P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 125	LM2903P	<a href="#">Samples</a>
LM2903PSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903	<a href="#">Samples</a>
LM2903PSRG4	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903	<a href="#">Samples</a>
LM2903PWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	-40 to 125	L2903	<a href="#">Samples</a>
LM2903PWRG3	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L2903	<a href="#">Samples</a>
LM2903PWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903	<a href="#">Samples</a>
LM2903QD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903Q	<a href="#">Samples</a>
LM2903QDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903Q	<a href="#">Samples</a>
LM2903QDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903Q	<a href="#">Samples</a>
LM2903VQDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	<a href="#">Samples</a>
LM2903VQDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	<a href="#">Samples</a>
LM2903VQPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	<a href="#">Samples</a>
LM2903VQPWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	<a href="#">Samples</a>
LM293AD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293A	<a href="#">Samples</a>
LM293ADE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293A	<a href="#">Samples</a>
LM293ADGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU   NIPDAUAG	Level-1-260C-UNLIM	-25 to 85	(MDP, MDS, MDU)	<a href="#">Samples</a>
LM293ADGKRG4	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	(MDP, MDS, MDU)	<a href="#">Samples</a>
LM293ADR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	-25 to 85	LM293A	<a href="#">Samples</a>
LM293ADRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293A	<a href="#">Samples</a>
LM293D	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293	<a href="#">Samples</a>
LM293DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU   SN   NIPDAUAG	Level-1-260C-UNLIM	-25 to 85	(MCP, MCS, MCU)	<a href="#">Samples</a>

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
LM293DGKRG4	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-25 to 85	(MCP, MCS, MCU)	<a href="#">Samples</a>
LM293DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	-25 to 85	LM293	<a href="#">Samples</a>
LM293DRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293	<a href="#">Samples</a>
LM293DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-25 to 85	LM293	<a href="#">Samples</a>
LM293DRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293	<a href="#">Samples</a>
LM293P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU   SN	N / A for Pkg Type	-25 to 85	LM293P	<a href="#">Samples</a>
LM293PE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-25 to 85	LM293P	<a href="#">Samples</a>
LM393AD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393ADE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393ADG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393ADGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU   NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(M8P, M8S, M8U)	<a href="#">Samples</a>
LM393ADGKRG4	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	(M8P, M8S, M8U)	<a href="#">Samples</a>
LM393ADR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393ADRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393ADRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393A	<a href="#">Samples</a>
LM393AP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU   SN	N / A for Pkg Type	0 to 70	LM393AP	<a href="#">Samples</a>
LM393APE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	LM393AP	<a href="#">Samples</a>
LM393APSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393A	<a href="#">Samples</a>
LM393APWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	0 to 70	L393A	<a href="#">Samples</a>
LM393APWRE4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393A	<a href="#">Samples</a>
LM393APWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393A	<a href="#">Samples</a>

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
LM393BIDDFR	ACTIVE	SOT-23-THIN	DDF	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	<a href="#">Samples</a>
LM393BIDGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	<a href="#">Samples</a>
LM393BIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	LM393B	<a href="#">Samples</a>
LM393BIDSGR	ACTIVE	WSON	DSG	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	<a href="#">Samples</a>
LM393BIPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	LM393B	<a href="#">Samples</a>
LM393D	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU   SN   NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(M9P, M9S, M9U)	<a href="#">Samples</a>
LM393DGKRG4	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	0 to 70	(M9P, M9S, M9U)	<a href="#">Samples</a>
LM393DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393DRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	<a href="#">Samples</a>
LM393P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU   SN	N / A for Pkg Type	0 to 70	LM393P	<a href="#">Samples</a>
LM393PE3	ACTIVE	PDIP	P	8	50	RoHS & Non-Green	SN	N / A for Pkg Type	0 to 70	LM393P	<a href="#">Samples</a>
LM393PE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	LM393P	<a href="#">Samples</a>
LM393PSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>
LM393PSRG4	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>
LM393PW	ACTIVE	TSSOP	PW	8	150	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>
LM393PWG4	ACTIVE	TSSOP	PW	8	150	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>

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
LM393PWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU   SN	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>
LM393PWRG3	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	SN	Level-1-260C-UNLIM	0 to 70	L393	<a href="#">Samples</a>
LM393PWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	<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 <=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.

**Important Information and Disclaimer:**The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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**OTHER QUALIFIED VERSIONS OF LM2903, LM2903B, LM293 :**

- Automotive : [LM2903-Q1](#), [LM2903B-Q1](#)
- Enhanced Product : [LM293-EP](#)

## NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product - Supports Defense, Aerospace and Medical Applications