

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	Samples
LM193DRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	LM193	Samples
LM2903AVQDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	Samples
LM2903AVQDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	Samples
LM2903AVQPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	Samples
LM2903AVQPWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903AV	Samples
LM2903BIDDFR	ACTIVE	SOT-23-THIN	DDF	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903B	Samples
LM2903BIDGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	903B	Samples
LM2903BIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903B	Samples
LM2903BIDSGR	ACTIVE	WSON	DSG	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	903B	Samples
LM2903BIPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903B	Samples
LM2903DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU SN NIPDAUAG	Level-2-260C-1 YEAR	-40 to 125	(MAP, MAS, MAU)	Samples
LM2903DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	LM2903	Samples
LM2903DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	LM2903	Samples
LM2903P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 125	LM2903P	Samples
LM2903PSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903	Samples
LM2903PWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	L2903	Samples
LM2903PWRG3	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	SN	Level-1-260C-UNLIM	-40 to 125	L2903	Samples
LM2903PWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903	Samples
LM2903QD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2903Q	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
LM2903QDRG4	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 125	2903Q	
LM2903VQDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	Samples
LM2903VQDRG4	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 125	L2903V	
LM2903VQPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	L2903V	Samples
LM2903VQPWRG4	OBSOLETE	TSSOP	PW	8		TBD	Call TI	Call TI	-40 to 125	L2903V	
LM293ADGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-25 to 85	(MDP, MDS, MDU)	Samples
LM293ADGKRG4	ACTIVE	VSSOP	DGK	8	2500	TBD	Call TI	Call TI	-25 to 85		Samples
LM293ADR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-25 to 85	LM293A	Samples
LM293D	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-25 to 85	LM293	
LM293DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU SN	Level-2-260C-1 YEAR	-25 to 85	(MCP, MCS, MCU)	Samples
LM293DGKRG4	ACTIVE	VSSOP	DGK	8	2500	TBD	Call TI	Call TI	-25 to 85		Samples
LM293DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-25 to 85	LM293	Samples
LM293DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	-25 to 85	LM293	Samples
LM293P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-25 to 85	LM293P	Samples
LM293PE4	ACTIVE	PDIP	P	8	50	TBD	Call TI	Call TI	-25 to 85		Samples
LM393ADGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(M8P, M8S, M8U)	Samples
LM393ADGKRG4	ACTIVE	VSSOP	DGK	8	2500	TBD	Call TI	Call TI	0 to 70		Samples
LM393ADR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	LM393A	Samples
LM393ADRG4	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	0 to 70	LM393A	
LM393AP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU SN	N / A for Pkg Type	0 to 70	LM393AP	Samples
LM393APE4	ACTIVE	PDIP	P	8	50	TBD	Call TI	Call TI	0 to 70		Samples
LM393APSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393A	Samples
LM393APWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	L393A	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
LM393APWRG4	OBSOLETE	TSSOP	PW	8		TBD	Call TI	Call TI	0 to 70	L393A	
LM393BIDDFR	ACTIVE	SOT-23-THIN	DDF	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	Samples
LM393BIDGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	Samples
LM393BIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	LM393B	Samples
LM393BIDSGR	ACTIVE	WSON	DSG	8	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	393B	Samples
LM393BIPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	LM393B	Samples
LM393D	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	0 to 70	LM393	
LM393DGKR	ACTIVE	VSSOP	DGK	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(M9P, M9S, M9U)	Samples
LM393DGKRG4	ACTIVE	VSSOP	DGK	8	2500	TBD	Call TI	Call TI	0 to 70		Samples
LM393DR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	LM393	Samples
LM393DRG3	ACTIVE	SOIC	D	8	2500	RoHS & Green	SN	Level-1-260C-UNLIM	0 to 70	LM393	Samples
LM393DRG4	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	0 to 70	LM393	
LM393P	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU SN	N / A for Pkg Type	0 to 70	LM393P	Samples
LM393PE3	ACTIVE	PDIP	P	8	50	RoHS & Non-Green	SN	N / A for Pkg Type	0 to 70	LM393P	Samples
LM393PE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	LM393P	Samples
LM393PS	ACTIVE	SO	PS	8	80	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	Samples
LM393PSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	Samples
LM393PSRG4	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	Samples
LM393PWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	L393	Samples
LM393PWRG3	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	SN	Level-1-260C-UNLIM	0 to 70	L393	Samples
LM393PWRG4	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	L393	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 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