

**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
ADS7950SBDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7950 B	<a href="#">Samples</a>
ADS7950SBDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7950 B	<a href="#">Samples</a>
ADS7950SBRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7950 B	<a href="#">Samples</a>
ADS7950SBRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7950 B	<a href="#">Samples</a>
ADS7950SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7950	<a href="#">Samples</a>
ADS7950SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7950	<a href="#">Samples</a>
ADS7951SBDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7951 B	<a href="#">Samples</a>
ADS7951SBDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7951 B	<a href="#">Samples</a>
ADS7951SBRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS 7951 B	<a href="#">Samples</a>
ADS7951SBRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS 7951 B	<a href="#">Samples</a>
ADS7951SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7951	<a href="#">Samples</a>
ADS7951SDBTG4	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7951	<a href="#">Samples</a>
ADS7951SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7951	<a href="#">Samples</a>
ADS7951SRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS 7951	<a href="#">Samples</a>
ADS7951SRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS 7951	<a href="#">Samples</a>
ADS7952SBDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7952 B	<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
ADS7952SBDBTG4	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7952 B	<a href="#">Samples</a>
ADS7952SBDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7952 B	<a href="#">Samples</a>
ADS7952SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7952 B	<a href="#">Samples</a>
ADS7952SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7952 B	<a href="#">Samples</a>
ADS7952SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7952	<a href="#">Samples</a>
ADS7952SDBTG4	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	Call TI	Level-2-260C-1 YEAR	-40 to 125	ADS7952	<a href="#">Samples</a>
ADS7952SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7952	<a href="#">Samples</a>
ADS7952SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7952	<a href="#">Samples</a>
ADS7952SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7952	<a href="#">Samples</a>
ADS7953SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7953	<a href="#">Samples</a>
ADS7953SBDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7953	<a href="#">Samples</a>
ADS7953SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7953 B	<a href="#">Samples</a>
ADS7953SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7953 B	<a href="#">Samples</a>
ADS7953SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7953	<a href="#">Samples</a>
ADS7953SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7953	<a href="#">Samples</a>
ADS7953SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7953	<a href="#">Samples</a>
ADS7953SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	Call TI	Level-3-260C-168 HR	-40 to 125	ADS 7953	<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
ADS7954SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7954	<a href="#">Samples</a>
ADS7954SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7954	<a href="#">Samples</a>
ADS7954SRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7954	<a href="#">Samples</a>
ADS7954SRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7954	<a href="#">Samples</a>
ADS7955SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7955	<a href="#">Samples</a>
ADS7955SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7955	<a href="#">Samples</a>
ADS7955SRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7955	<a href="#">Samples</a>
ADS7955SRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7955	<a href="#">Samples</a>
ADS7956SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7956	<a href="#">Samples</a>
ADS7956SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7956	<a href="#">Samples</a>
ADS7956SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7956	<a href="#">Samples</a>
ADS7956SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7956	<a href="#">Samples</a>
ADS7957SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7957	<a href="#">Samples</a>
ADS7957SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7957	<a href="#">Samples</a>
ADS7957SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7957	<a href="#">Samples</a>
ADS7957SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7957	<a href="#">Samples</a>
ADS7958SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7958	<a href="#">Samples</a>
ADS7958SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7958	<a href="#">Samples</a>
ADS7958SRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS 7958	<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
ADS7958SRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7958	<a href="#">Samples</a>
ADS7959SDBT	ACTIVE	TSSOP	DBT	30	60	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7959	<a href="#">Samples</a>
ADS7959SDBTR	ACTIVE	TSSOP	DBT	30	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7959	<a href="#">Samples</a>
ADS7959SRGER	ACTIVE	VQFN	RGE	24	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7959	<a href="#">Samples</a>
ADS7959SRGET	ACTIVE	VQFN	RGE	24	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7959	<a href="#">Samples</a>
ADS7960SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7960	<a href="#">Samples</a>
ADS7960SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7960	<a href="#">Samples</a>
ADS7960SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7960	<a href="#">Samples</a>
ADS7960SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7960	<a href="#">Samples</a>
ADS7961SDBT	ACTIVE	TSSOP	DBT	38	50	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7961	<a href="#">Samples</a>
ADS7961SDBTR	ACTIVE	TSSOP	DBT	38	2000	RoHS & Green	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	ADS7961	<a href="#">Samples</a>
ADS7961SRHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7961	<a href="#">Samples</a>
ADS7961SRHBT	ACTIVE	VQFN	RHB	32	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	ADS7961	<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.

**OBSELETE:** 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 ADS7950, ADS7951, ADS7952, ADS7953, ADS7954, ADS7955, ADS7956, ADS7957, ADS7958, ADS7959, ADS7960, ADS7961 :**

- Automotive : [ADS7950-Q1](#), [ADS7951-Q1](#), [ADS7952-Q1](#), [ADS7953-Q1](#), [ADS7954-Q1](#), [ADS7955-Q1](#), [ADS7956-Q1](#), [ADS7957-Q1](#), [ADS7958-Q1](#), [ADS7959-Q1](#), [ADS7960-Q1](#), [ADS7961-Q1](#)

NOTE: Qualified Version Definitions:

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