

**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)
<a href="#">TLV1811DBVR</a>	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XJT
TLV1811DBVR.A	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XJT
<a href="#">TLV1811DCKR</a>	Active	Production	SC70 (DCK)   5	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2XST
TLV1811DCKR.A	Active	Production	SC70 (DCK)   5	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2XST
<a href="#">TLV1811LDBVR</a>	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XNT
TLV1811LDBVR.A	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XNT
<a href="#">TLV1811LDCKR</a>	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XTT
TLV1811LDCKR.A	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XTT
<a href="#">TLV1812DDFR</a>	Active	Production	SOT-23-THIN (DDF)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	32EF
TLV1812DDFR.A	Active	Production	SOT-23-THIN (DDF)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	32EF
<a href="#">TLV1812DGKR</a>	Active	Production	VSSOP (DGK)   8	2500   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	31US
TLV1812DGKR.A	Active	Production	VSSOP (DGK)   8	2500   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	31US
<a href="#">TLV1812DR</a>	Active	Production	SOIC (D)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1812
TLV1812DR.A	Active	Production	SOIC (D)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1812
<a href="#">TLV1812DSGR</a>	Active	Production	WSON (DSG)   8	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1OD
TLV1812DSGR.A	Active	Production	WSON (DSG)   8	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1OD
<a href="#">TLV1812PWR</a>	Active	Production	TSSOP (PW)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1812
TLV1812PWR.A	Active	Production	TSSOP (PW)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1812
<a href="#">TLV1814DR</a>	Active	Production	SOIC (D)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1814D
TLV1814DR.A	Active	Production	SOIC (D)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1814D
<a href="#">TLV1814DYR</a>	Active	Production	SOT-23-THIN (DYY)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1814B1
TLV1814DYR.A	Active	Production	SOT-23-THIN (DYY)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1814B1
<a href="#">TLV1814PWR</a>	Active	Production	TSSOP (PW)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1814B1
TLV1814PWR.A	Active	Production	TSSOP (PW)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1814B1
<a href="#">TLV1814RTER</a>	Active	Production	WQFN (RTE)   16	5000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1814B
TLV1814RTER.A	Active	Production	WQFN (RTE)   16	5000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1814B
<a href="#">TLV1821DBVR</a>	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XLT
TLV1821DBVR.A	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XLT

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)
<a href="#">TLV1821DCKR</a>	Active	Production	SC70 (DCK)   5	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2XUT
TLV1821DCKR.A	Active	Production	SC70 (DCK)   5	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	2XUT
<a href="#">TLV1821LDBVR</a>	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XMT
TLV1821LDBVR.A	Active	Production	SOT-23 (DBV)   5	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	2XMT
<a href="#">TLV1822DDFR</a>	Active	Production	SOT-23-THIN (DDF)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	32DF
TLV1822DDFR.A	Active	Production	SOT-23-THIN (DDF)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	32DF
<a href="#">TLV1822DGKR</a>	Active	Production	VSSOP (DGK)   8	2500   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	31VS
TLV1822DGKR.A	Active	Production	VSSOP (DGK)   8	2500   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	31VS
<a href="#">TLV1822DR</a>	Active	Production	SOIC (D)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1822
TLV1822DR.A	Active	Production	SOIC (D)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1822
<a href="#">TLV1822DSGR</a>	Active	Production	WSON (DSG)   8	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	10E
TLV1822DSGR.A	Active	Production	WSON (DSG)   8	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	10E
<a href="#">TLV1822PWR</a>	Active	Production	TSSOP (PW)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1822
TLV1822PWR.A	Active	Production	TSSOP (PW)   8	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TL1822
<a href="#">TLV1824DR</a>	Active	Production	SOIC (D)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1824D
TLV1824DR.A	Active	Production	SOIC (D)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1824D
<a href="#">TLV1824DYR</a>	Active	Production	SOT-23-THIN (DYY)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1824DYY
TLV1824DYR.A	Active	Production	SOT-23-THIN (DYY)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	TLV1824DYY
<a href="#">TLV1824PWR</a>	Active	Production	TSSOP (PW)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1824B1
TLV1824PWR.A	Active	Production	TSSOP (PW)   14	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1824B1
<a href="#">TLV1824RTER</a>	Active	Production	WQFN (RTE)   16	5000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1824B
TLV1824RTER.A	Active	Production	WQFN (RTE)   16	5000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T1824B

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

<sup>(2)</sup> **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.

<sup>(3)</sup> **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.

**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.

In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

**OTHER QUALIFIED VERSIONS OF TLV1811, TLV1812, TLV1814, TLV1821, TLV1822, TLV1824 :**

- Automotive : [TLV1811-Q1](#), [TLV1812-Q1](#), [TLV1814-Q1](#), [TLV1821-Q1](#), [TLV1822-Q1](#), [TLV1824-Q1](#)
- Enhanced Product : [TLV1812-EP](#), [TLV1822-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