

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)
TLC69602QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69602Q
TLC69602QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69602Q
TLC69602QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69602Q
TLC69602QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69602Q
TLC69604QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69604Q
TLC69604QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69604Q
TLC69604QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69604Q
TLC69604QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69604Q
TLC69608QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69608Q
TLC69608QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69608Q
TLC69608QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69608Q
TLC69608QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69608Q
TLC69612QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69612Q
TLC69612QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69612Q
TLC69612QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69612Q
TLC69612QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69612Q
TLC69614QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69614Q
TLC69614QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69614Q
TLC69614QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69614Q
TLC69614QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69614Q
TLC69618QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69618Q
TLC69618QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69618Q
TLC69618QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69618Q
TLC69618QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69618Q
TLC69652QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69652Q
TLC69652QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69652Q
TLC69652QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69652Q
TLC69652QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69652Q
TLC69654QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69654Q

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)
TLC69654QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69654Q
TLC69654QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69654Q
TLC69654QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69654Q
TLC69658QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69658Q
TLC69658QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69658Q
TLC69658QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69658Q
TLC69658QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69658Q
TLC69662QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69662Q
TLC69662QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69662Q
TLC69662QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69662Q
TLC69662QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69662Q
TLC69664QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69664Q
TLC69664QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69664Q
TLC69664QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69664Q
TLC69664QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69664Q
TLC69668QPWPRQ1	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69668Q
TLC69668QPWPRQ1.A	Active	Production	HTSSOP (PWP) 28	2000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	69668Q
TLC69668QRTWRQ1	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69668Q
TLC69668QRTWRQ1.A	Active	Production	WQFN (RTW) 24	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	69668Q

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

⁽²⁾ **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.

⁽³⁾ **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.

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OTHER QUALIFIED VERSIONS OF TLC69602-Q1, TLC69604-Q1, TLC69608-Q1, TLC69612-Q1, TLC69614-Q1, TLC69618-Q1, TLC69652-Q1, TLC69654-Q1, TLC69658-Q1, TLC69662-Q1, TLC69664-Q1, TLC69668-Q1 :

- Catalog : [TLC69602](#), [TLC69604](#), [TLC69608](#), [TLC69612](#), [TLC69614](#), [TLC69618](#), [TLC69652](#), [TLC69654](#), [TLC69658](#), [TLC69662](#), [TLC69664](#), [TLC69668](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product