

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)
TMS320F28374SPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPTPS
TMS320F28374SPTPS.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPTPS
TMS320F28374SPTPSR	Active	Production	HLQFP (PTP) 176	200 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPTPS
TMS320F28374SPTPSR.Z	Active	Production	null (null)	200 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPTPS
TMS320F28374SPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374SPTPT
TMS320F28374SPTPT.Z	Active	Production	null (null)	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPTPT
TMS320F28374SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPZPS
TMS320F28374SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPZPS
TMS320F28374SPZPT	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374SPZPT
TMS320F28374SPZPT.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SPZPT
TMS320F28374SZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SZWTS
TMS320F28374SZWTS.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SZWTS
TMS320F28374SZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374SZWTT
TMS320F28374SZWTT.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SZWTT
TMS320F28374SZWTR	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374SZWTT
TMS320F28374SZWTR.Z	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374SZWTT

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TMS320F28375SPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPTPS
TMS320F28375SPTPS.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPTPS
TMS320F28375SPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375SPTPT
TMS320F28375SPTPT.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPTPT
TMS320F28375SPZPQ	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPQ
TMS320F28375SPZPQ.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPQ
TMS320F28375SPZPQR	Active	Production	HTQFP (PZP) 100	1000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPQR
TMS320F28375SPZPQR.Z	Active	Production	HTQFP (PZP) 100	1000 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPQR
TMS320F28375SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPS
TMS320F28375SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPS
TMS320F28375SPZPT	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375SPZPT
TMS320F28375SPZPT.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SPZPT
TMS320F28375SZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SZWTS
TMS320F28375SZWTS.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SZWTS
TMS320F28375SZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375SZWTT
TMS320F28375SZWTT.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375SZWTT
TMS320F28376SPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28376SPTPT

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)
TMS320F28376SPTPT.Z	Active	Production	null (null)	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SPTPT
TMS320F28376SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SPZPS
TMS320F28376SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SPZPS
TMS320F28376SPZPT	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28376SPZPT
TMS320F28376SPZPT.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SPZPT
TMS320F28376SZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SZWTS
TMS320F28376SZWTS.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SZWTS
TMS320F28376SZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28376SZWTT
TMS320F28376SZWTT.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376SZWTT
TMS320F28377SPTPQ	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPTPQ
TMS320F28377SPTPQ.Z	Active	Production	null (null)	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPTPQ
TMS320F28377SPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPTPS
TMS320F28377SPTPS.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPTPS
TMS320F28377SPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377SPTPT
TMS320F28377SPTPT.Z	Active	Production	null (null)	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPTPT
TMS320F28377SPZPQ	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPZPQ
TMS320F28377SPZPQ.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPZPQ

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TMS320F28377SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPZPS
TMS320F28377SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPZPS
TMS320F28377SPZPT	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377SPZPT
TMS320F28377SPZPT.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SPZPT
TMS320F28377SZWTQ	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SZWTQ
TMS320F28377SZWTQ.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SZWTQ
TMS320F28377SZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SZWTS
TMS320F28377SZWTS.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SZWTS
TMS320F28377SZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377SZWTT
TMS320F28377SZWTT.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377SZWTT
TMS320F28378SPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378SPTPS
TMS320F28378SPTPS.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378SPTPS
TMS320F28378SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378SPZPS
TMS320F28378SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378SPZPS
TMS320F28379SPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPTPS
TMS320F28379SPTPS.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPTPS
TMS320F28379SPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379SPTPT

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TMS320F28379SPTPT.Z	Active	Production	null (null)	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPTPT
TMS320F28379SPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPZPS
TMS320F28379SPZPS.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPZPS
TMS320F28379SPZPT	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379SPZPT
TMS320F28379SPZPT.Z	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SPZPT
TMS320F28379SZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SZWTS
TMS320F28379SZWTS.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SZWTS
TMS320F28379SZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379SZWTT
TMS320F28379SZWTT.Z	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379SZWTT

(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.

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 TMS320F28375S, TMS320F28375S-Q1, TMS320F28377S, TMS320F28377S-Q1 :

- Catalog : [TMS320F28375S](#), [TMS320F28377S](#)
- Automotive : [TMS320F28375S-Q1](#), [TMS320F28377S-Q1](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects