

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)
TMS320F28374DPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPS
TMS320F28374DPTPS.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPS
TMS320F28374DPTPS.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPS
TMS320F28374DPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374DPTPT
TMS320F28374DPTPT.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPT
TMS320F28374DPTPT.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPT
TMS320F28374DZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTS
TMS320F28374DZWTS.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTS
TMS320F28374DZWTS.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTS
TMS320F28374DZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374DZWTT
TMS320F28374DZWTT.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTT
TMS320F28374DZWTT.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTT
TMS320F28375DPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPS
TMS320F28375DPTPS.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPS
TMS320F28375DPTPS.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPS
TMS320F28375DPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375DPTPT

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)
TMS320F28375DPTPT.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPT
TMS320F28375DPTPT.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPT
TMS320F28375DPZPS	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPZPS
TMS320F28375DPZPS.A	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPZPS
TMS320F28375DPZPS.B	Active	Production	HTQFP (PZP) 100	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPZPS
TMS320F28375DZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTS
TMS320F28375DZWTS.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTS
TMS320F28375DZWTS.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTS
TMS320F28375DZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375DZWTT
TMS320F28375DZWTT.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTT
TMS320F28375DZWTT.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTT
TMS320F28376DPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28376DPTPT
TMS320F28376DPTPT.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376DPTPT
TMS320F28376DPTPT.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376DPTPT
TMS320F28377DPTPQ	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPQ
TMS320F28377DPTPQ.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPQ
TMS320F28377DPTPQ.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPQ

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TMS320F28377DPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPS
TMS320F28377DPTPS.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPS
TMS320F28377DPTPS.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPS
TMS320F28377DPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377DPTPT
TMS320F28377DPTPT.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPT
TMS320F28377DPTPT.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPT
TMS320F28377DZWTQ	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTQ.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTQ.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTQR	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTQR.A	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTQR.B	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ
TMS320F28377DZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTS
TMS320F28377DZWTS.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTS
TMS320F28377DZWTS.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTS
TMS320F28377DZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377DZWTT
TMS320F28377DZWTT.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTT

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TMS320F28377DZWTT.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTT
TMS320F28378DPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378DPTPS
TMS320F28378DPTPS.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378DPTPS
TMS320F28378DPTPS.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378DPTPS
TMS320F28379DPTPQ	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPQ
TMS320F28379DPTPQ.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPQ
TMS320F28379DPTPQ.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPQ
TMS320F28379DPTPS	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPS
TMS320F28379DPTPS.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPS
TMS320F28379DPTPS.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPS
TMS320F28379DPTPT	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379DPTPT
TMS320F28379DPTPT.A	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPT
TMS320F28379DPTPT.B	Active	Production	HLQFP (PTP) 176	40 JEDEC TRAY (10+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPT
TMS320F28379DZWTQR	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTQ
TMS320F28379DZWTQR.A	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTQ
TMS320F28379DZWTQR.B	Active	Production	NFBGA (ZWT) 337	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTQ
TMS320F28379DZWTS	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTS

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TMS320F28379DZWTS.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTS
TMS320F28379DZWTS.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTS
TMS320F28379DZWTT	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379DZWTT
TMS320F28379DZWTT.A	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTT
TMS320F28379DZWTT.B	Active	Production	NFBGA (ZWT) 337	90 JEDEC TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTT

⁽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 TMS320F28377D, TMS320F28377D-Q1, TMS320F28379D, TMS320F28379D-Q1 :

- Catalog : [TMS320F28377D](#), [TMS320F28379D](#)
- Automotive : [TMS320F28377D-Q1](#), [TMS320F28379D-Q1](#)
- Enhanced Product : [TMS320F28377D-EP](#), [TMS320F28377D-EP](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product - Supports Defense, Aerospace and Medical Applications