

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
TMS320F28374DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DPTPS	Samples
TMS320F28374DPTPT	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374DPTPT	Samples
TMS320F28374DZWTS	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28374DZWTS	Samples
TMS320F28374DZWTT	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28374DZWTT	Samples
TMS320F28375DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPTPS	Samples
TMS320F28375DPTPT	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375DPTPT	Samples
TMS320F28375DPZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DPZPS	Samples
TMS320F28375DZWTS	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28375DZWTS	Samples
TMS320F28375DZWTT	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28375DZWTT	Samples
TMS320F28376DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28376DPTPS	Samples
TMS320F28376DPTPT	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28376DPTPT	Samples
TMS320F28377DPTPQ	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPQ	Samples
TMS320F28377DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DPTPS	Samples
TMS320F28377DPTPT	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377DPTPT	Samples
TMS320F28377DZWTQ	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQ	Samples
TMS320F28377DZWTQR	ACTIVE	NFBGA	ZWT	337	1000	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28377DZWTQR	Samples
TMS320F28377DZWTS	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320	Samples

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
										F28377DZWTS	
TMS320F28377DZWTT	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28377DZWTT	Samples
TMS320F28378DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28378DPTPS	Samples
TMS320F28379DPTPQ	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPQ	Samples
TMS320F28379DPTPS	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DPTPS	Samples
TMS320F28379DPTPT	ACTIVE	HLQFP	PTP	176	40	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379DPTPT	Samples
TMS320F28379DZWTQR	ACTIVE	NFBGA	ZWT	337	1000	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTQ	Samples
TMS320F28379DZWTS	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS320 F28379DZWTS	Samples
TMS320F28379DZWTT	ACTIVE	NFBGA	ZWT	337	90	RoHS & Green	SNAGCU	Level-3-260C-168 HR	-40 to 105	TMS320 F28379DZWTT	Samples

(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 <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm 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.

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