

**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
TMS320F28062FPFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062FPFPQ TMS320	<a href="#">Samples</a>
TMS320F28062FPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28062FPNT TMS320	<a href="#">Samples</a>
TMS320F28062FPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28062FPZT TMS320	<a href="#">Samples</a>
TMS320F28062PFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062PFPQ TMS320	<a href="#">Samples</a>
TMS320F28062PFPQR	ACTIVE	HTQFP	PFP	80	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062PFPQ TMS320	<a href="#">Samples</a>
TMS320F28062PFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062PFPS TMS320	<a href="#">Samples</a>
TMS320F28062PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28062PNT TMS	<a href="#">Samples</a>
TMS320F28062PZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062PZPQ TMS320	<a href="#">Samples</a>
TMS320F28062PZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28062PZPS TMS320	<a href="#">Samples</a>
TMS320F28062PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28062PZT TMS	<a href="#">Samples</a>
TMS320F28062PZTR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28062PZT TMS	<a href="#">Samples</a>
TMS320F28062UPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28062UPNT TMS	<a href="#">Samples</a>
TMS320F28062UPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28062UPZT TMS320	<a href="#">Samples</a>
TMS320F28063PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28063PNT TMS	<a href="#">Samples</a>
TMS320F28063PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28063PZT TMS	<a href="#">Samples</a>
TMS320F28064PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28064PZT TMS	<a href="#">Samples</a>
TMS320F28065PFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28065PFPS	<a href="#">Samples</a>

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
										TMS320	
TMS320F28065PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28065PNT TMS320	<a href="#">Samples</a>
TMS320F28065PZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28065PZPS TMS320	<a href="#">Samples</a>
TMS320F28065PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28065PZT TMS	<a href="#">Samples</a>
TMS320F28065UPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28065UPZT TMS320	<a href="#">Samples</a>
TMS320F28066PFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28066PFPQ TMS320	<a href="#">Samples</a>
TMS320F28066PFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28066PFPS TMS320	<a href="#">Samples</a>
TMS320F28066PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28066PNT TMS	<a href="#">Samples</a>
TMS320F28066PZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28066PZPQ TMS320	<a href="#">Samples</a>
TMS320F28066PZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28066PZPS TMS320	<a href="#">Samples</a>
TMS320F28066PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28066PZT TMS	<a href="#">Samples</a>
TMS320F28067PFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28067PFPS TMS320	<a href="#">Samples</a>
TMS320F28067PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28067PNT TMS	<a href="#">Samples</a>
TMS320F28067PZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28067PZPQ TMS320	<a href="#">Samples</a>
TMS320F28067PZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28067PZPS TMS320	<a href="#">Samples</a>
TMS320F28067PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28067PZT TMS	<a href="#">Samples</a>
TMS320F28068FPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28068FPNT TMS320	<a href="#">Samples</a>
TMS320F28068FPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28068FPZT TMS320	<a href="#">Samples</a>

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
TMS320F28068MPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28068MPNT TMS320	<a href="#">Samples</a>
TMS320F28068MPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28068MPZT TMS320	<a href="#">Samples</a>
TMS320F28069FPFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069FPFPQ TMS320	<a href="#">Samples</a>
TMS320F28069FPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069FPNT TMS320	<a href="#">Samples</a>
TMS320F28069FPZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069FPZPQ TMS320	<a href="#">Samples</a>
TMS320F28069FPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069FPZT TMS320	<a href="#">Samples</a>
TMS320F28069FPZTR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069FPZT TMS320	<a href="#">Samples</a>
TMS320F28069MPFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069MPFPQ TMS320	<a href="#">Samples</a>
TMS320F28069MPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069MPNT TMS320	<a href="#">Samples</a>
TMS320F28069MPZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069MPZPQ TMS320	<a href="#">Samples</a>
TMS320F28069MPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069MPZT TMS320	<a href="#">Samples</a>
TMS320F28069PFPQ	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069PFPQ TMS320	<a href="#">Samples</a>
TMS320F28069PFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069PFPS TMS320	<a href="#">Samples</a>
TMS320F28069PNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F28069PNT TMS	<a href="#">Samples</a>
TMS320F28069PZA	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	320F28069PZA TMS	<a href="#">Samples</a>
TMS320F28069PZPQ	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069PZPQ TMS320	<a href="#">Samples</a>
TMS320F28069PZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069PZPS TMS320	<a href="#">Samples</a>
TMS320F28069PZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	320F28069PZT	<a href="#">Samples</a>

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
										TMS	
TMS320F28069UPFPS	ACTIVE	HTQFP	PFP	80	96	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069UPFPS TMS320	<a href="#">Samples</a>
TMS320F28069UPNT	ACTIVE	LQFP	PN	80	119	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069UPNT TMS320	<a href="#">Samples</a>
TMS320F28069UPZPS	ACTIVE	HTQFP	PZP	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F28069UPZPS TMS320	<a href="#">Samples</a>
TMS320F28069UPZT	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 105	F28069UPZT TMS320	<a href="#">Samples</a>

(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 TMS320F28062, TMS320F28062-Q1, TMS320F28062F, TMS320F28062F-Q1, TMS320F28066, TMS320F28066-Q1, TMS320F28067, TMS320F28067-Q1, TMS320F28069, TMS320F28069-Q1, TMS320F28069F, TMS320F28069F-Q1, TMS320F28069M, TMS320F28069M-Q1 :**

- Catalog : [TMS320F28062](#), [TMS320F28062F](#), [TMS320F28066](#), [TMS320F28067](#), [TMS320F28069](#), [TMS320F28069F](#), [TMS320F28069M](#)
- Automotive : [TMS320F28062-Q1](#), [TMS320F28062F-Q1](#), [TMS320F28066-Q1](#), [TMS320F28067-Q1](#), [TMS320F28069-Q1](#), [TMS320F28069F-Q1](#), [TMS320F28069M-Q1](#)

NOTE: Qualified Version Definitions:

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