

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)
TMS320F2810PBKA	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	320F2810PBKA TMS
TMS320F2810PBKA.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	320F2810PBKA TMS
TMS320F2810PBKAG4	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKA TMS
TMS320F2810PBKAG4.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKA TMS
TMS320F2810PBKQ	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKQ TMS
TMS320F2810PBKQ.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKQ TMS
TMS320F2810PBKQR	Active	Production	LQFP (PBK) 128	1000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKQ TMS
TMS320F2810PBKQR.A	Active	Production	LQFP (PBK) 128	1000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKQ TMS
TMS320F2810PBKS	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKS TMS
TMS320F2810PBKS.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKS TMS
TMS320F2810PBKSG4	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKS TMS
TMS320F2810PBKSG4.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2810PBKS TMS
TMS320F2811PBKA	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	320F2811PBKA TMS
TMS320F2811PBKA.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	320F2811PBKA TMS
TMS320F2811PBKAG4	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKA TMS
TMS320F2811PBKAG4.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKA TMS

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)
TMS320F2811PBKQ	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKQ TMS
TMS320F2811PBKQ.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKQ TMS
TMS320F2811PBKS	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKS TMS
TMS320F2811PBKS.A	Active	Production	LQFP (PBK) 128	90 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	320F2811PBKS TMS
TMS320F2812GBBA	Active	Production	NFBGA (GBB) 179	160 JEDEC TRAY (5+1)	No	SNPB	Level-3-220C-168 HR	-40 to 85	TMS 320F2812GBBA
TMS320F2812GBBA.A	Active	Production	NFBGA (GBB) 179	160 JEDEC TRAY (5+1)	No	SNPB	Level-3-220C-168 HR	-40 to 85	TMS 320F2812GBBA
TMS320F2812GBBAR	Active	Production	NFBGA (GBB) 179	1000 LARGE T&R	No	SNPB	Level-3-220C-168 HR	-40 to 85	TMS 320F2812GBBA
TMS320F2812GBBAR.A	Active	Production	NFBGA (GBB) 179	1000 LARGE T&R	No	SNPB	Level-3-220C-168 HR	-40 to 85	TMS 320F2812GBBA
TMS320F2812GBBS	Active	Production	NFBGA (GBB) 179	160 EIAJ TRAY (5+1)	No	SNPB	Level-3-220C-168 HR	-40 to 125	TMS 320F2812GBBS
TMS320F2812GBBS.A	Active	Production	NFBGA (GBB) 179	160 EIAJ TRAY (5+1)	No	SNPB	Level-3-220C-168 HR	-40 to 125	TMS 320F2812GBBS
TMS320F2812PGFA	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	320F2812PGFA TMS
TMS320F2812PGFA.A	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	320F2812PGFA TMS
TMS320F2812PGFAG4	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	320F2812PGFA TMS
TMS320F2812PGFQ	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFQ TMS
TMS320F2812PGFQ.A	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFQ TMS
TMS320F2812PGFS	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFS TMS
TMS320F2812PGFS.A	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFS TMS

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)
TMS320F2812PGFSG4	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFS TMS
TMS320F2812PGFSG4.A	Active	Production	LQFP (PGF) 176	40 JEDEC TRAY (5+1)	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 125	320F2812PGFS TMS
TMS320F2812ZAYA	Active	Production	NFBGA (ZAY) 179	160 EIAJ TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 85	TMS 320F2812ZAYA
TMS320F2812ZAYA.A	Active	Production	NFBGA (ZAY) 179	160 EIAJ TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 85	TMS 320F2812ZAYA
TMS320F2812ZAYAR	Active	Production	NFBGA (ZAY) 179	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 85	TMS 320F2812ZAYA
TMS320F2812ZAYAR.A	Active	Production	NFBGA (ZAY) 179	1000 LARGE T&R	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 85	TMS 320F2812ZAYA
TMS320F2812ZAYS	Active	Production	NFBGA (ZAY) 179	160 EIAJ TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS 320F2812ZAYS
TMS320F2812ZAYS.A	Active	Production	NFBGA (ZAY) 179	160 EIAJ TRAY (5+1)	Yes	SNAGCU	Level-3-260C-168 HR	-40 to 125	TMS 320F2812ZAYS

⁽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 TMS320F2810, TMS320F2810-Q1, TMS320F2811, TMS320F2811-Q1, TMS320F2812, TMS320F2812-Q1 :

- Catalog : [TMS320F2810](#), [TMS320F2811](#), [SM320F2812](#), [TMS320F2812](#)
- Automotive : [TMS320F2810-Q1](#), [TMS320F2811-Q1](#), [TMS320F2812-Q1](#)
- Enhanced Product : [SM320F2812-EP](#)
- Military : [SMJ320F2812](#), [SMJ320F2812](#)

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
- Military - QML certified for Military and Defense Applications