

PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
MSP430F6745AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6746AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6747AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6748AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6749AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
MSP430F6749A1PEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6749A1PZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6749A1PZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6765A1PEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765A1PEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765A1PZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765A1PZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6766A1PEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766A1PEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766A1PZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766A1PZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6767A1PEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767A1PEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767A1PZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767A1PZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6768A1PEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6768A1PEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6768A1PZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
MSP430F6768AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6769AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6775AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6775AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6775AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6775AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6776AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6777AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777AIEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6778AIEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
MSP430F6778AIPEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6778AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6778AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6779AIPEU	ACTIVE	LQFP	PEU	128	72	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779AIPEUR	ACTIVE	LQFP	PEU	128	750	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779AIPZ	ACTIVE	LQFP	PZ	100	90	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779AIPZR	ACTIVE	LQFP	PZ	100	1000	Green (RoHS & no Sb/Br)	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	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.

OBSOLETE: 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/Ball Finish - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead/Ball Finish values may wrap to two lines if the finish value exceeds the maximum column width.

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