

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
MSP430F6745AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6745AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6745A	Samples
MSP430F6746AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6746AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6746A	Samples
MSP430F6747AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6747AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6747A	Samples
MSP430F6748AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6748AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6748A	Samples
MSP430F6749AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6749AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6749AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples
MSP430F6749AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6749A	Samples

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MSP430F6765AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6765AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6765A	Samples
MSP430F6766AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6766AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6766A	Samples
MSP430F6767AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6767AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6767A	Samples
MSP430F6768AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6768AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6768AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6768AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6768A	Samples
MSP430F6769AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIP EUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIP Z	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6769AIP ZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6769A	Samples
MSP430F6775AIP EU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	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
MSP430F6775A1PEUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6775A1PZ	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6775A1PZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6775A	Samples
MSP430F6776A1PEU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776A1PEUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776A1PZ	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6776A1PZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6776A	Samples
MSP430F6777A1PEU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777A1PEUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777A1PZ	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6777A1PZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6777A	Samples
MSP430F6778A1PEU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6778A1PEUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6778A1PZ	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6778A1PZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6778A	Samples
MSP430F6779A1PEU	ACTIVE	LQFP	PEU	128	72	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779A1PEUR	ACTIVE	LQFP	PEU	128	750	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779A1PZ	ACTIVE	LQFP	PZ	100	90	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	F6779A	Samples
MSP430F6779A1PZR	ACTIVE	LQFP	PZ	100	1000	RoHS & Green	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 ≤ 1000 ppm threshold. Antimony trioxide based flame retardants must also meet the ≤ 1000 ppm 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.

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