

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)
MSP430FR5730IPW	Active	Production	TSSOP (PW) 28	50 TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5730
MSP430FR5730IRGER	Active	Production	VQFN (RGE) 24	3000 LARGE T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5730
MSP430FR5730IRGET	Active	Production	VQFN (RGE) 24	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5730
MSP430FR5731IRHAT	Active	Production	VQFN (RHA) 40	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5731
MSP430FR5732IPW	Active	Production	TSSOP (PW) 28	50 TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5732
MSP430FR5732IRGET	Active	Production	VQFN (RGE) 24	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5732
MSP430FR5733IRHAR	Active	Production	VQFN (RHA) 40	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5733
MSP430FR5733IRHAT	Active	Production	VQFN (RHA) 40	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5733
MSP430FR5734IPW	Active	Production	TSSOP (PW) 28	50 TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5734
MSP430FR5734IPWR	Active	Production	TSSOP (PW) 28	2000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5734
MSP430FR5735IDA	Active	Production	TSSOP (DA) 38	40 TUBE	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	M430FR5735
MSP430FR5735IDAR	Active	Production	TSSOP (DA) 38	2000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	M430FR5735
MSP430FR5735IRHAR	Active	Production	VQFN (RHA) 40	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5735
MSP430FR5735IRHAT	Active	Production	VQFN (RHA) 40	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5735
MSP430FR5736IPW	Active	Production	TSSOP (PW) 28	50 TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5736
MSP430FR5736IRGER	Active	Production	VQFN (RGE) 24	3000 LARGE T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5736
MSP430FR5736IRGET	Active	Production	VQFN (RGE) 24	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5736
MSP430FR5737IRHAT	Active	Production	VQFN (RHA) 40	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5737
MSP430FR5738IPW	Active	Production	TSSOP (PW) 28	50 TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5738
MSP430FR5738IPWR	Active	Production	TSSOP (PW) 28	2000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	430FR5738

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MSP430FR5738IRGER	Active	Production	VQFN (RGE) 24	3000 LARGE T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5738
MSP430FR5738IRGET	Active	Production	VQFN (RGE) 24	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	430FR 5738
MSP430FR5738IYQDR	Active	Production	DSBGA (YQD) 24	3000 LARGE T&R	Yes	SNAGCU	Level-1-260C-UNLIM	-40 to 85	430FR5738
MSP430FR5738IYQDT	Active	Production	DSBGA (YQD) 24	250 SMALL T&R	Yes	SNAGCU	Level-1-260C-UNLIM	-40 to 85	430FR5738
MSP430FR5739IDA	Active	Production	TSSOP (DA) 38	40 TUBE	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	M430FR5739
MSP430FR5739IDAR	Active	Production	TSSOP (DA) 38	2000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	M430FR5739
MSP430FR5739IRHAR	Active	Production	VQFN (RHA) 40	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5739
MSP430FR5739IRHAT	Active	Production	VQFN (RHA) 40	250 SMALL T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	M430 FR5739

⁽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.

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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 MSP430FR5739 :

- Enhanced Product : [MSP430FR5739-EP](#)

NOTE: Qualified Version Definitions:

- Enhanced Product - Supports Defense, Aerospace and Medical Applications