

**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
F2800132PTR	ACTIVE	LQFP	PT	48	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800132 PT	<a href="#">Samples</a>
F2800132RGZR	ACTIVE	VQFN	RGZ	48	4000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800132 RGZ	<a href="#">Samples</a>
F2800132RHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	F2800 132RHB	<a href="#">Samples</a>
F2800133PMR	ACTIVE	LQFP	PM	64	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800133PM	<a href="#">Samples</a>
F2800133PTR	ACTIVE	LQFP	PT	48	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800133 PT	<a href="#">Samples</a>
F2800133RGZR	ACTIVE	VQFN	RGZ	48	4000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800133 RGZ	<a href="#">Samples</a>
F2800133RHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	F2800 133RHB	<a href="#">Samples</a>
F2800135PMR	ACTIVE	LQFP	PM	64	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800135PM	<a href="#">Samples</a>
F2800135PTR	ACTIVE	LQFP	PT	48	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800135 PT	<a href="#">Samples</a>
F2800135RGZR	ACTIVE	VQFN	RGZ	48	4000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800135 RGZ	<a href="#">Samples</a>
F2800135RHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	F2800 135RHB	<a href="#">Samples</a>
F2800135VPMR	ACTIVE	LQFP	PM	64	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800135VPM	<a href="#">Samples</a>
F2800137PM	ACTIVE	LQFP	PM	64	160	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800137PM	<a href="#">Samples</a>
F2800137PMR	ACTIVE	LQFP	PM	64	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800137PM	<a href="#">Samples</a>
F2800137PT	ACTIVE	LQFP	PT	48	250	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800137 PT	<a href="#">Samples</a>
F2800137PTR	ACTIVE	LQFP	PT	48	1000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800137 PT	<a href="#">Samples</a>
F2800137RGZR	ACTIVE	VQFN	RGZ	48	4000	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 125	F2800137 RGZ	<a href="#">Samples</a>

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F2800137RHBR	ACTIVE	VQFN	RHB	32	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	F2800 137RHB	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 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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