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24-Sep-2021

PACKAGING INFORMATION

| Orderable Device | Status (1) | Package Type | Package Drawing | Pins | Package Qty | Eco Plan | Lead finish/ Ball material | MSL Peak Temp | Op Temp (°C) | Device Marking (4/5) | Samples |
|--------------------|------------|--------------|--------------------|------|----------------|--------------|-------------------------------|---------------------|--------------|-------------------------|---------|
| MSP430G2203IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2203 | Sample |
| MSP430G2203IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2203 | Sample |
| MSP430G2203IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2203 | Sample |
| MSP430G2203IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2203 | Sample |
| MSP430G2203IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2203 | Sample |
| MSP430G2203IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2203 | Sample |
| MSP430G2233IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2233 | Sample |
| MSP430G2233IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2233 | Sample |
| MSP430G2233IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2233 | Sample |
| MSP430G2233IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2233 | Sample |
| MSP430G2233IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2233 | Sample |
| MSP430G2233IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2233 | Sample |
| MSP430G2233IRHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2233 | Sample |
| MSP430G2303IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2303 | Sample |
| MSP430G2303IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2303 | Sample |
| MSP430G2303IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2303 | Sample |
| MSP430G2303IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2303 | Sample |
| MSP430G2303IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2303 | Sample |
| MSP430G2303IRHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2303 | Sample |





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|--------------------|------------|--------------|--------------------|------|----------------|--------------|-------------------------------|---------------------|--------------|-------------------------|---------|
| MSP430G2333IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2333 | Samples |
| MSP430G2333IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2333 | Samples |
| MSP430G2333IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2333 | Samples |
| MSP430G2333IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2333 | Samples |
| MSP430G2333IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2333 | Samples |
| MSP430G2333IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2333 | Samples |
| MSP430G23331RHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2333 | Samples |
| MSP430G2403IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2403 | Samples |
| MSP430G2403IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2403 | Samples |
| MSP430G2403IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2403 | Samples |
| MSP430G2403IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2403 | Samples |
| MSP430G2403IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2403 | Samples |
| MSP430G2403IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2403 | Samples |
| MSP430G2403IRHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2403 | Samples |
| MSP430G2433IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2433 | Samples |
| MSP430G2433IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2433 | Samples |
| MSP430G2433IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2433 | Samples |
| MSP430G2433IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2433 | Samples |
| MSP430G2433IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2433 | Samples |
| MSP430G2433IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2433 | Samples |



www.ti.com 24-Sep-2021

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|--------------------|------------|--------------|--------------------|------|----------------|--------------|-------------------------------|---------------------|--------------|----------------------|---------|
| MSP430G2433IRHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2433 | Samples |
| MSP430G2533IN20 | ACTIVE | PDIP | N | 20 | 20 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | M430G2533 | Samples |
| MSP430G2533IPW20 | ACTIVE | TSSOP | PW | 20 | 70 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2533 | Samples |
| MSP430G2533IPW20R | ACTIVE | TSSOP | PW | 20 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2533 | Samples |
| MSP430G2533IPW28 | ACTIVE | TSSOP | PW | 28 | 50 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2533 | Samples |
| MSP430G2533IPW28R | ACTIVE | TSSOP | PW | 28 | 2000 | RoHS & Green | NIPDAU | Level-1-260C-UNLIM | -40 to 85 | 430G2533 | Samples |
| MSP430G2533IRHB32R | ACTIVE | VQFN | RHB | 32 | 3000 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2533 | Samples |
| MSP430G2533IRHB32T | ACTIVE | VQFN | RHB | 32 | 250 | RoHS & Green | NIPDAU | Level-2-260C-1 YEAR | -40 to 85 | MSP430 G2533 | 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 (CI) 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.



PACKAGE OPTION ADDENDUM

www.ti.com 24-Sep-2021

(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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