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## **PACKAGING INFORMATION**

| Orderable Device | Status (1) | Package Type | Package<br>Drawing | Pins | Package<br>Qty | Eco Plan     | Lead finish/<br>Ball material | MSL Peak Temp       | Op Temp (°C) | Device Marking (4/5)          | Samples |
|------------------|------------|--------------|--------------------|------|----------------|--------------|-------------------------------|---------------------|--------------|-------------------------------|---------|
| LMV321IDBVR      | ACTIVE     | SOT-23       | DBV                | 5    | 3000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | RC1F                          | Samples |
| LMV321IDBVRE4    | ACTIVE     | SOT-23       | DBV                | 5    | 3000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | RC1F                          | Samples |
| LMV321IDBVRG4    | ACTIVE     | SOT-23       | DBV                | 5    | 3000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | RC1F                          | Samples |
| LMV321IDBVT      | ACTIVE     | SOT-23       | DBV                | 5    | 250            | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | RC1F                          | Samples |
| LMV321IDCKR      | ACTIVE     | SC70         | DCK                | 5    | 3000           | RoHS & Green | NIPDAU   SN<br>  NIPDAUAG     | Level-2-260C-1 YEAR | -40 to 125   | (R3F, R3K, R3O, R3<br>R, R3Z) | Samples |
| LMV321IDCKRG4    | ACTIVE     | SC70         | DCK                | 5    | 3000           | RoHS & Green | SN                            | Level-2-260C-1 YEAR | -40 to 125   | (R3F, R3K, R3O, R3<br>R, R3Z) | Samples |
| LMV321IDCKT      | ACTIVE     | SC70         | DCK                | 5    | 250            | RoHS & Green | NIPDAU   SN<br>  NIPDAUAG     | Level-2-260C-1 YEAR | -40 to 125   | (R3C, R3F, R3R)               | Samples |
| LMV324IDR        | ACTIVE     | SOIC         | D                  | 14   | 2500           | RoHS & Green | NIPDAU   SN                   | Level-1-260C-UNLIM  | -40 to 125   | LMV324I                       | Samples |
| LMV324IDRE4      | ACTIVE     | SOIC         | D                  | 14   | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | LMV324I                       | Samples |
| LMV324IDRG4      | ACTIVE     | SOIC         | D                  | 14   | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | LMV324I                       | Samples |
| LMV324IPWR       | ACTIVE     | TSSOP        | PW                 | 14   | 2000           | RoHS & Green | NIPDAU   SN                   | Level-2-260C-1 YEAR | -40 to 125   | MV324I                        | Samples |
| LMV324IPWRE4     | ACTIVE     | TSSOP        | PW                 | 14   | 2000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV324I                        | Samples |
| LMV324IPWRG4     | ACTIVE     | TSSOP        | PW                 | 14   | 2000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV324I                        | Samples |
| LMV324QDR        | ACTIVE     | SOIC         | D                  | 14   | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | LMV324Q                       | Samples |
| LMV324QDRG4      | ACTIVE     | SOIC         | D                  | 14   | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | LMV324Q                       | Samples |
| LMV324QPWR       | ACTIVE     | TSSOP        | PW                 | 14   | 2000           | RoHS & Green | NIPDAU   SN                   | Level-2-260C-1 YEAR | -40 to 125   | MV324Q                        | Samples |
| LMV324QPWRE4     | ACTIVE     | TSSOP        | PW                 | 14   | 2000           | RoHS & Green | SN                            | Level-2-260C-1 YEAR | -40 to 125   | MV324Q                        | Samples |
| LMV358IDGKR      | ACTIVE     | VSSOP        | DGK                | 8    | 2500           | RoHS & Green | NIPDAU   NIPDAUAG             | Level-2-260C-1 YEAR | -40 to 125   | (R5B, R5Q, R5R)               | Samples |
| LMV358IDGKRG4    | ACTIVE     | VSSOP        | DGK                | 8    | 2500           | RoHS & Green | NIPDAUAG                      | Level-2-260C-1 YEAR | -40 to 125   | (R5B, R5Q, R5R)               | Samples |



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| Orderable Device | Status (1) | Package Type | Package<br>Drawing | Pins | Package<br>Qty | Eco Plan     | Lead finish/<br>Ball material | MSL Peak Temp       | Op Temp (°C) | Device Marking (4/5) | Samples |
|------------------|------------|--------------|--------------------|------|----------------|--------------|-------------------------------|---------------------|--------------|----------------------|---------|
| LMV358IDR        | ACTIVE     | SOIC         | D                  | 8    | 2500           | RoHS & Green |                               | Level-1-260C-UNLIM  | -40 to 125   | MV358I               | Samples |
| LMV358IDRE4      | ACTIVE     | SOIC         | D                  | 8    | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV358I               | Samples |
| LMV358IDRG4      | ACTIVE     | SOIC         | D                  | 8    | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV358I               | Samples |
| LMV358IPWR       | ACTIVE     | TSSOP        | PW                 | 8    | 2000           | RoHS & Green | NIPDAU   SN                   | Level-2-260C-1 YEAR | -40 to 125   | MV358I               | Samples |
| LMV358IPWRG4     | ACTIVE     | TSSOP        | PW                 | 8    | 2000           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV358I               | Samples |
| LMV358QDGKR      | ACTIVE     | VSSOP        | DGK                | 8    | 2500           | RoHS & Green | NIPDAU   NIPDAUAG             | Level-2-260C-1 YEAR | -40 to 125   | (RHO, RHR)           | Samples |
| LMV358QDGKRG4    | ACTIVE     | VSSOP        | DGK                | 8    | 2500           | RoHS & Green | NIPDAUAG                      | Level-2-260C-1 YEAR | -40 to 125   | (RHO, RHR)           | Samples |
| LMV358QDR        | ACTIVE     | SOIC         | D                  | 8    | 2500           | RoHS & Green | NIPDAU                        | Level-1-260C-UNLIM  | -40 to 125   | MV358Q               | Samples |
| LMV358QPWR       | ACTIVE     | TSSOP        | PW                 | 8    | 2000           | RoHS & Green | NIPDAU   SN                   | Level-2-260C-1 YEAR | -40 to 125   | MV358Q               | 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**

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(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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