

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)
LM119H	Active	Production	TO-100 (LME) 10	500 OTHER	No	Call TI	Level-1-NA-UNLIM	-55 to 125	(LM119H, LM119H)
LM119H/NOPB	Active	Production	TO-100 (LME) 10	500 OTHER	Yes	Call TI	Level-1-NA-UNLIM	-55 to 125	(LM119H, LM119H)
LM119J	Active	Production	CDIP (J) 14	25 TUBE	No	SNPB	Level-1-NA-UNLIM	-55 to 125	LM119J
LM319AM/NOPB	Active	Production	SOIC (D) 14	55 TUBE	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319AM
LM319AM/NOPB.B	Active	Production	SOIC (D) 14	55 TUBE	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319AM
LM319AMX/NOPB	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319AM
LM319AMX/NOPB.B	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319AM
LM319M/NOPB	Active	Production	SOIC (D) 14	55 TUBE	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319M
LM319M/NOPB.B	Active	Production	SOIC (D) 14	55 TUBE	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319M
LM319MX/NOPB	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319M
LM319MX/NOPB.B	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	LM319M
LM319N/NOPB	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	Level-1-NA-UNLIM	0 to 70	LM319N
LM319N/NOPB.B	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	Level-1-NA-UNLIM	0 to 70	LM319N

⁽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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