

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)
REF2025AIDDCR	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AIDDCR.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AIDDCCT	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AIDDCCT.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AIDDCRG4	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AIDDCRG4.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GACM
REF2025AISDDCR	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	Call TI	Level-2-260C-1 YEAR	-40 to 125	1M98
REF2025AISDDCR.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	Call TI	Level-2-260C-1 YEAR	-40 to 125	1M98
REF2030AIDDCR	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2030AIDDCR.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2030AIDDCRG4	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2030AIDDCRG4.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2030AIDDCCT	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2030AIDDCCT.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GADM
REF2033AIDDCR	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM
REF2033AIDDCR.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM

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)
REF2033AIDDC	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM
REF2033AIDDC.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM
REF2033AIDDCG4	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM
REF2033AIDDCG4.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAEM
REF2041AIDDCR	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM
REF2041AIDDCR.B	Active	Production	SOT-23-THIN (DDC) 5	3000 LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM
REF2041AIDDC	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM
REF2041AIDDC.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM
REF2041AIDDCG4	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM
REF2041AIDDCG4.B	Active	Production	SOT-23-THIN (DDC) 5	250 SMALL T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	GAFM

⁽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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OTHER QUALIFIED VERSIONS OF REF20 :

- Automotive : [REF20-Q1](#)

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects