

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)
AM6411BKCGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6411B KCGHAALV 709
AM6411BKCGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 125	AM6411B KCGHAALV 709
AM6411BSCGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6411B SCGHAALV 709
AM6411BSCGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6411B SCGHAALV 709
AM6411BSCGHIALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 125	AM6411B SCGHIALV 709
AM6411BSCGHIALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 125	AM6411B SCGHIALV 709
AM6412BKCGHAALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6412B KCGHAALV 709
AM6412BKCGHAALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6412B KCGHAALV 709
AM6412BSCGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6412B SCGHAALV 709
AM6412BSCGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6412B SCGHAALV 709
AM6421BSDGHAALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SDGHAALV 709

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AM6421BSDGHAALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SDGHAALV 709
AM6421BSEFHAALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SEFHAALV 709
AM6421BSEFHAALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SEFHAALV 709
AM6421BSFFHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SFFHAALV 709
AM6421BSFFHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SFFHAALV 709
AM6421BSFGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SFGHAALV 709
AM6421BSFGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6421B SFGHAALV 709
AM6422BSDFHAALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6422B SDFHAALV 709
AM6422BSDFHAALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6422B SDFHAALV 709
AM6422BSDGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6422B SDGHAALV 709
AM6422BSDGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6422B SDGHAALV 709
AM6441BSEFHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SEFHAALV 709

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AM6441BSEFHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SEFHAALV 709
AM6441BSEGHAALVR	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SEGHAALV 709
AM6441BSEGHAALVR.B	Active	Production	FCBGA (ALV) 441	500 LARGE T&R	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SEGHAALV 709
AM6441BSFFHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SFFHAALV 709
AM6441BSFFHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6441B SFFHAALV 709
AM6442BSDGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SDGHAALV 709
AM6442BSDGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SDGHAALV 709
AM6442BSEFHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SEFHAALV 709
AM6442BSEFHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SEFHAALV 709
AM6442BSEGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SEGHAALV 709
AM6442BSEGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SEGHAALV 709
AM6442BSFFHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SFFHAALV 709

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AM6442BSFFHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SFFHAALV 709
AM6442BSFGHAALV	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SFGHAALV 709
AM6442BSFGHAALV.B	Active	Production	FCBGA (ALV) 441	84 JEDEC TRAY (5+1)	Yes	Call TI	Level-3-250C-168 HR	-40 to 105	AM6442B SFGHAALV 709

⁽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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