

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)
2U65910A31A1RSLRG4.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	65910 A31A1
TPS659101A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659101 A1
TPS659101A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659101 A1
TPS659101A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659101 A1
TPS659101A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659101 A1
TPS659102A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659102 A1
TPS659102A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659102 A1
TPS659102A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659102 A1
TPS659102A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659102 A1
TPS659106A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659106 A1
TPS659106A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659106 A1
TPS659106A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659106 A1
TPS659106A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659106 A1
TPS659108A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659108 A1
TPS659108A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659108 A1
TPS659108A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659108 A1

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TPS659108A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659108 A1
TPS659109A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T659109 A1
TPS659109A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659109 A1
TPS659109A1RSLG4.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T659109 A1
TPS659109A1RSLR	Obsolete	Production	VQFN (RSL) 48	-	-	Call TI	Call TI	-40 to 85	T659109 A1
TPS65910A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	TPS 65910A1
TPS65910A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	TPS 65910A1
TPS65910A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	TPS 65910A1
TPS65910A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	TPS 65910A1
TPS65910A1RSLRG4.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	TPS 65910A1
TPS65910A31A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	65910 A31A1
TPS65910A31A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	65910 A31A1
TPS65910A31A1RSLT	Active	Production	VQFN (RSL) 48	250 SMALL T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	65910 A31A1
TPS65910A31A1RSLT.Z	Active	Production	VQFN (RSL) 48	250 SMALL T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	65910 A31A1
TPS65910A3A1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910 A3A1
TPS65910A3A1RSL.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910 A3A1
TPS65910A3A1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910 A3A1

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TPS65910A3A1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910 A3A1
TPS65910A3A1RSLRG4.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910 A3A1
TPS65910AA1RSL	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910A A1
TPS65910AA1RSLR.Z	Active	Production	VQFN (RSL) 48	60 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910A A1
TPS65910AA1RSLR	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910A A1
TPS65910AA1RSLR.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910A A1
TPS65910AA1RSLRG4.Z	Active	Production	VQFN (RSL) 48	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	T65910A A1

(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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