

# Product Change Notification

PCN Number	PCN0123
Product Part Number	LM811, LM820, LM821, LM822, LM823, LM832, LM910, LM746, LM747, LM400, LM072
Part Numbers Affected	811-XXXX, 820-XXXX, 821-XXXX, 822-XXXX, 823-XXXX, 832-XXXX, 910-XXXX, 746-XXXX, 747-XXXX, 400-XXXX, 072-XXXX
Product Description	WIFI MODULES, BLUETOOTH MODULES, WIFI AND BLUETOOTH MODULES (ALL PACKAGING VARIANTS)

Category of Changes	Firmware	Software	Hardware	Artwork	Datasheet
	<input type="checkbox"/> No	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes

PCN Title	PCB BLUE SOLDER RESIST UPDATE
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## PCN Full Description

The design specification of LM Technologies modules is as follows; for prototypes and pre-production samples the PCB make up uses a Green Solder resist.

For pre-main production and main production we use Blue Solder Resist. An error in ordering meant we had 50,000 pieces of Green Solder Resist PCB, therefore we have used these in main production until the next main PCB production order.

LM Technologies modules will now have Blue Solder Resist for main production until the products EOL.

## Additional Notes

When testing a range of PCB make ups in 2018 we found that the Conformal Coatings applied for heat protection on the bottom layers of our modules achieved more consistent results and a small increase in overall level of heat protection, as the Conformal Coatings for heat protection are not used in prototypes and Green solder resist allowed us better imaging when using the prototypes for inspections and for production setup of the solder mask we use Green solder resist at for the first spins of our products.

LM Technologies effected this change for all products designed by LM Technologies Ltd, form an effective date 1st August 2018 and has been introduced to all products. Some of the products designed prior to this point had a Blue solder resist and some had a Green solder resist, after the date above the products green solder resist PCB's have used the stock and the when new stock has been produced the change has happened at this time.