



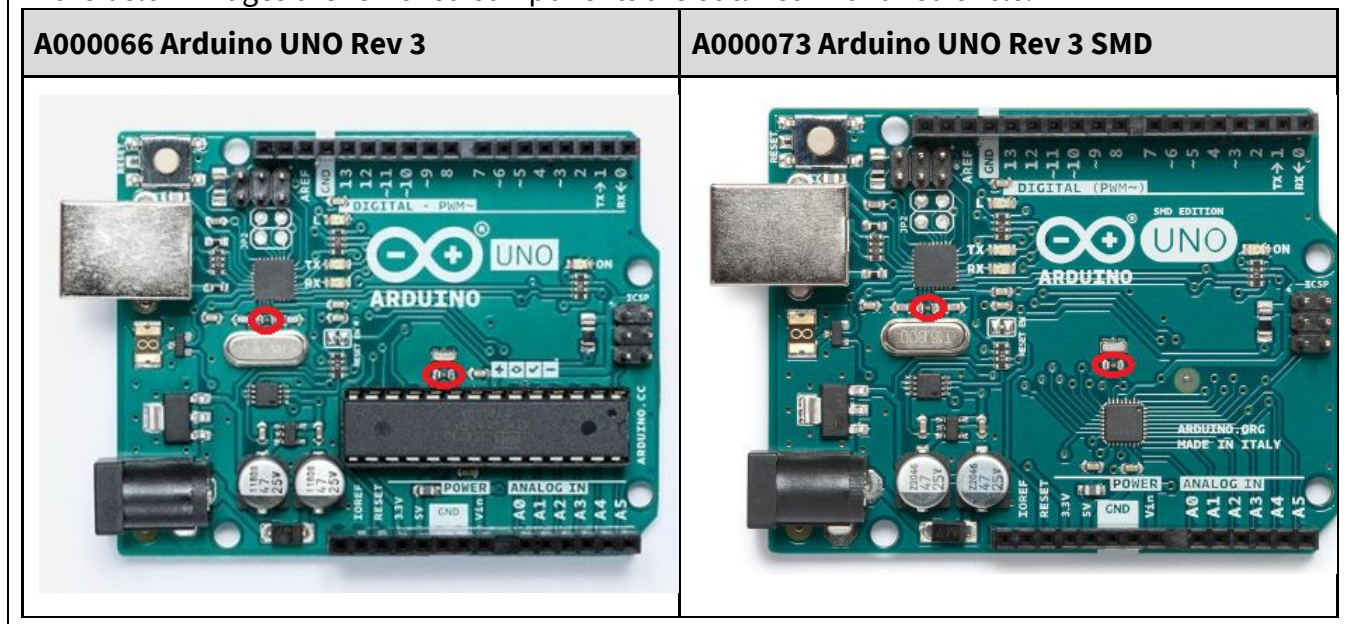
## ARDUINO PRODUCT CHANGE NOTIFICATION

PCN No.	01_20		
Issue Date	May 28th 2020	Implementation Date	November 7th 2019
Affected Products	A000066 Arduino UNO Rev 3 (from s.n. 231601) A000073 Arduino UNO Rev 3 SMD (from s.n. 9000) A000062 Arduino DUE (from s.n. 13500) A000056 Arduino DUE without headers A000067 Arduino MEGA (from s.n. 25000)	Change Reason	BOM Optimization

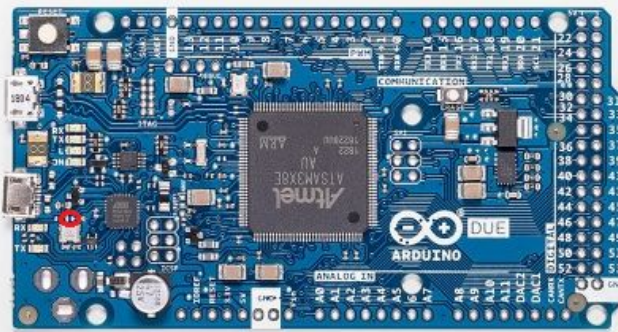
### Change Description

On the affected products the 1M $\Omega$  resistor in parallel with the oscillator crystal has been depopulated. While this resistor is usually needed to improve oscillator startup in extreme conditions, Arduino found it to be redundant as the oscillator proved to be able to start in all supported working conditions.

In the below images the removed components are outlined with a red circle:



**A000062 & A000056 Arduino DUE**



**A000067 Arduino MEGA**



**Customer Impact**

No customer impact is expected other than visual differences between versions of the boards.

*Janner Volpe*