

Kean Electronics

IT Consulting and embedded systems design



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MooresCloud Holiday Engineering Change Order ECO 002 for Globe r2b PCBA

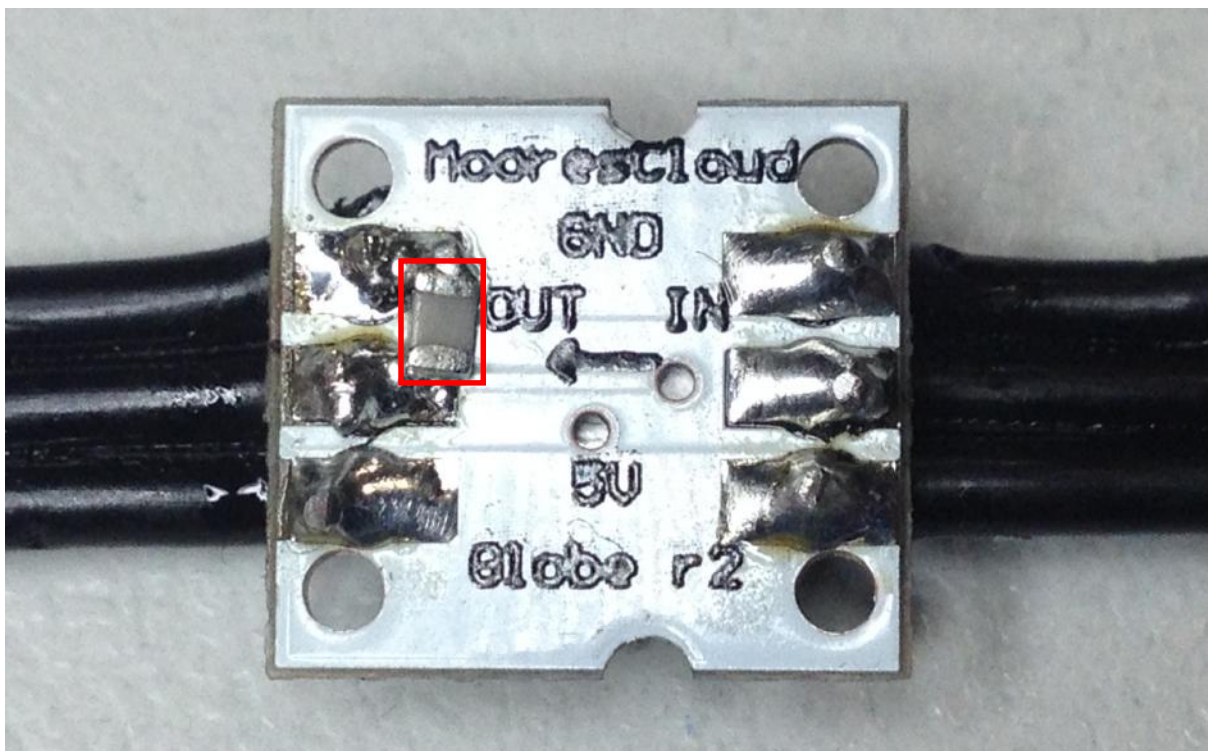
18th October 2013

To meet EMC radiated emissions requirements, the following change should be made to each Globe PCBA in a Holiday LED string:

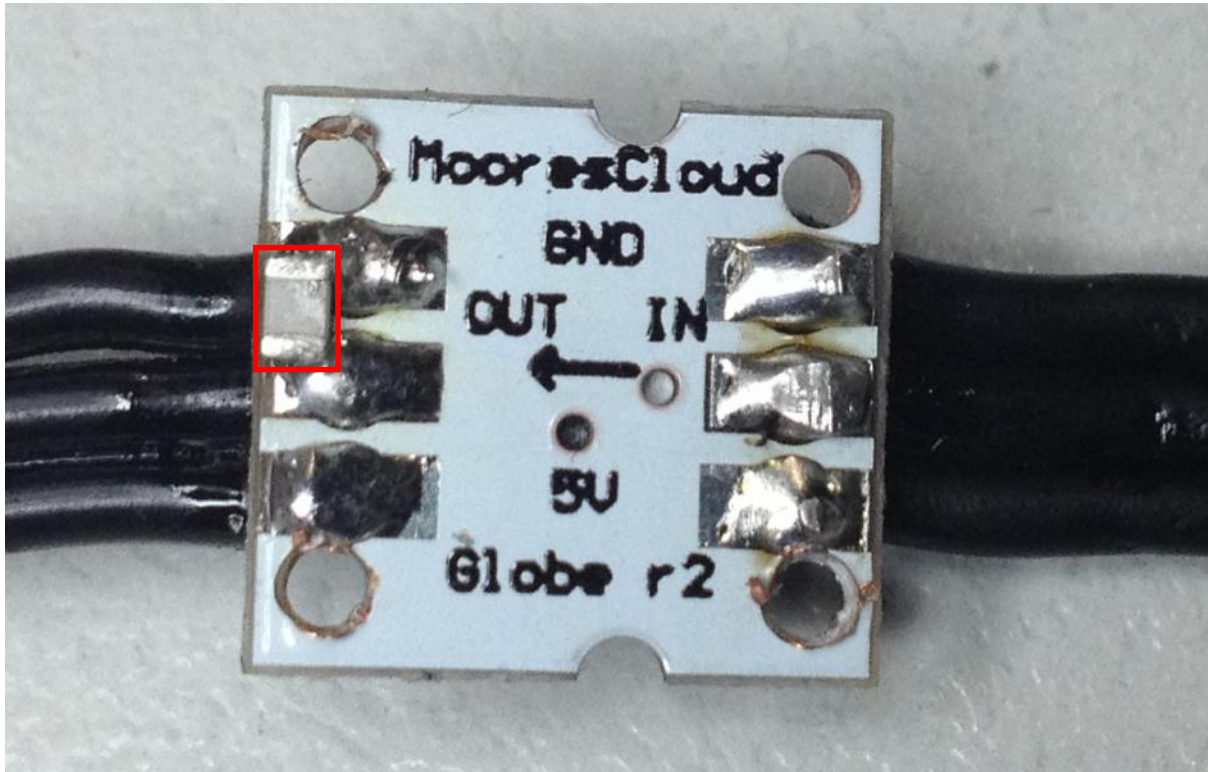
- 1) Add "C2" – a 470pF 50V NP0/COG ceramic capacitor (0805 size, 2.0x1.25mm, 0.8mm thick) between GND and DOUT solder pads on the bottom side of the PCB.

The capacitor should be kept flat to ensure the PCBA still fits within the globe housing (sufficient clearance is available). It can be mounted close to the PCB edge, or close to the "OUT" label.

Recommended position:



Alternate position:



Parts required:

C2 = AVX 08055A471JAT2A – DigiKey: 478-1324-2-ND

Substitutions can be made with equivalent parts, but only on confirmation with MooresCloud technical staff.