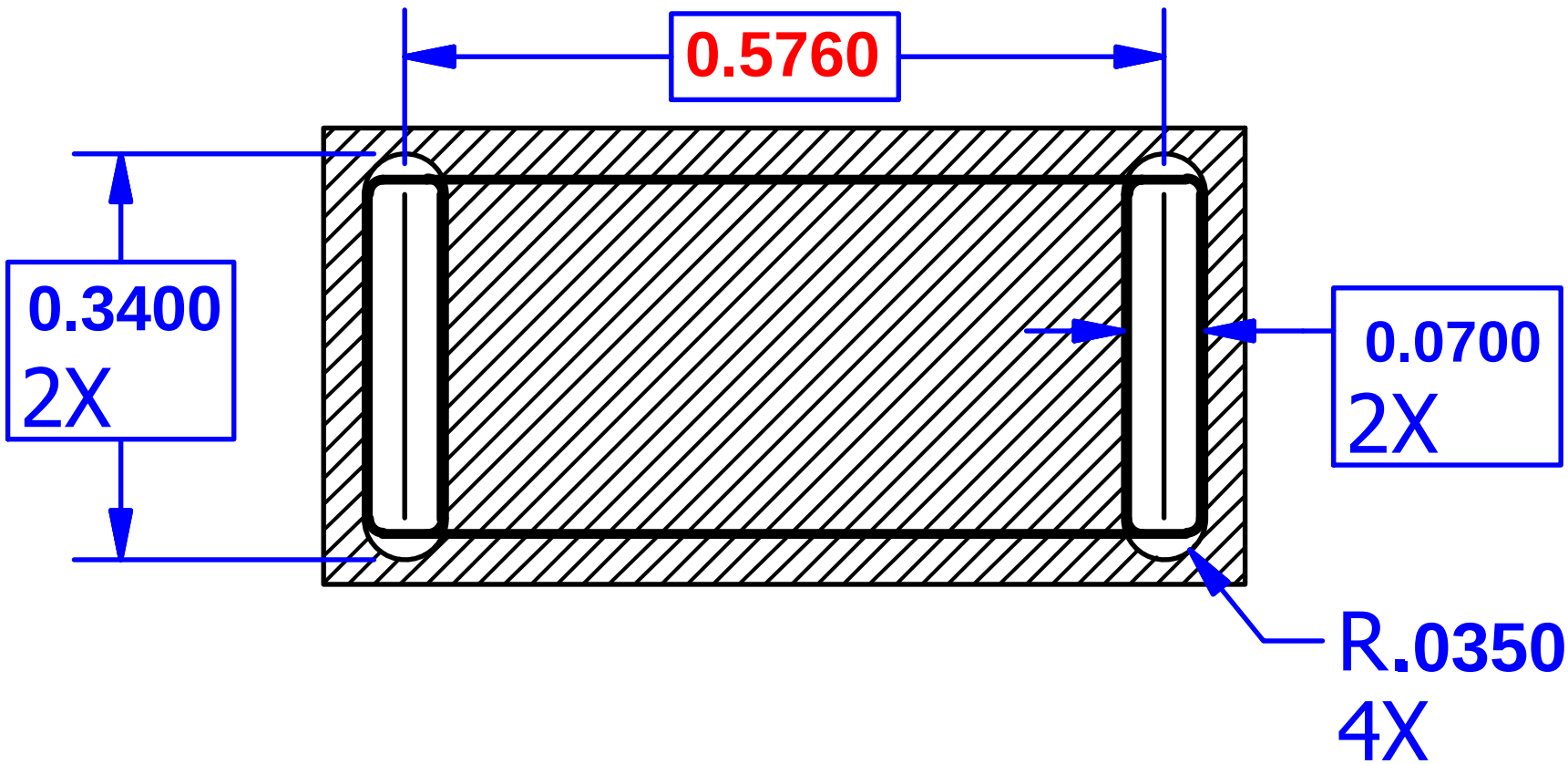B4B-PCB-B CUT OUT