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**Subject:** QIE8 chips  
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Dan,

I just had an interesting thought. If you have trouble getting enough QIE8 chips from CMS, there may be another zero cost option. I have a number of wafers of the first prototype run of QIE8s in my cabinet. This was a fully functional chip, but suffered from a bit of a speed problem. The FADC didn't work at 40 MHz as required by CMS, but functioned perfectly well (as I remember) below about 35 MHz. I did some tweaks on the circuit for the production run submission, which resulted in a faster chip that met the CMS clock spec with no problem.

At what speed do you need to clock the QIE chips? If you can tolerate a somewhat slower clock than 40 MHz, say 30 MHz, I suspect these prototype chips would be perfectly fine for you. I have many hundreds just sitting around. One of the wafers is already sawed, so you could easily have some chips packaged up for testing if you like.

Let me know if you have any interest.

Tom