**Development Progress of Partial Discharge Detecting Device**

|  |  |  |
| --- | --- | --- |
| No. | Task Name | Task Status & Description |
| 1 | Photons Counter | Done.  See Figure ZPulseCounter\_Adapter Module. |
| 2 | Realtime Histogram Drawing | In progress.  Draw accumulated photon counts within a fixed time interval in a 4.3’’ TFT LCD Screen.  See Figure 4.3’’ TFT LCD Display Effect  & Figure ZTFT43\_Adapter Module. |
| 3 | UART Upload | Done.  See Figure ZUpload\_Adapter Module. |
| 4 | TCP Upload | Done. |
| 5 | System Integration | In progress.  We need to integrate all sub-modules into one PCB and consider assembling them in a plastic or metal box.  **Attention Here!**  **It possibly takes more time than we think.** |



**The appropriate plastic box I found in Taobao.com**

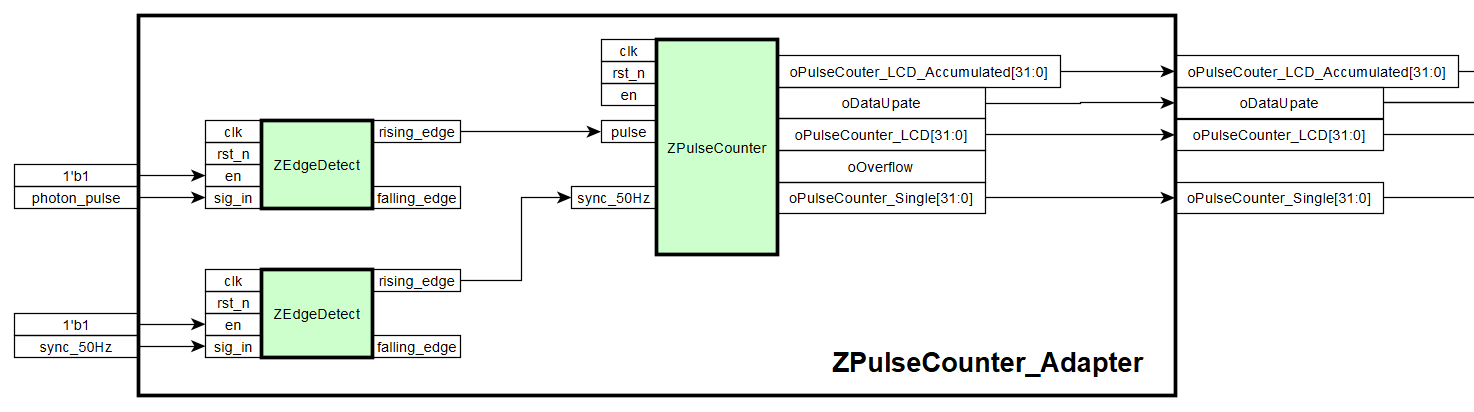


Figure ZPulseCounter\_Adapter Module

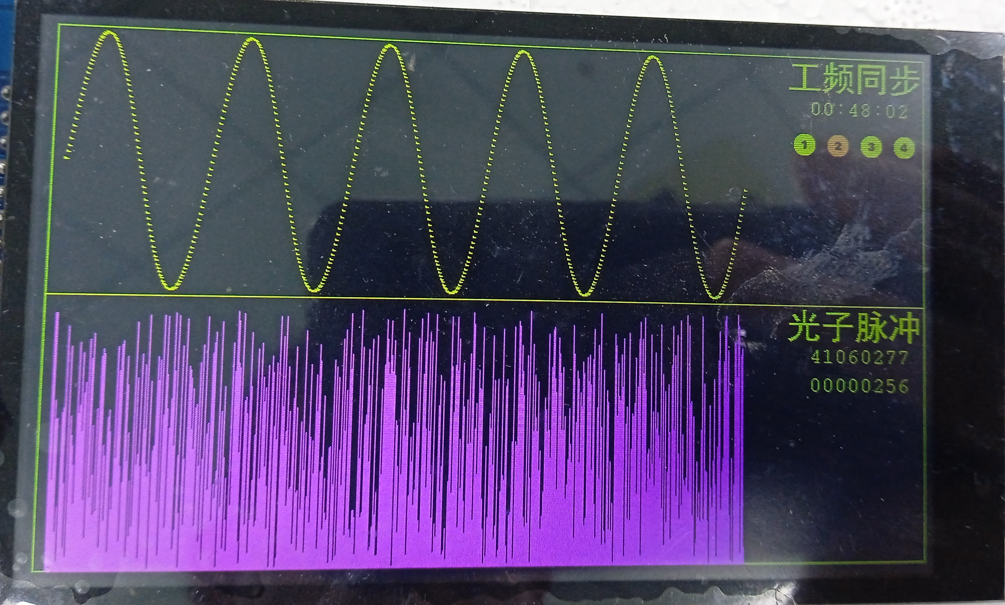


Figure 4.3’’ TFT LCD Display Effect

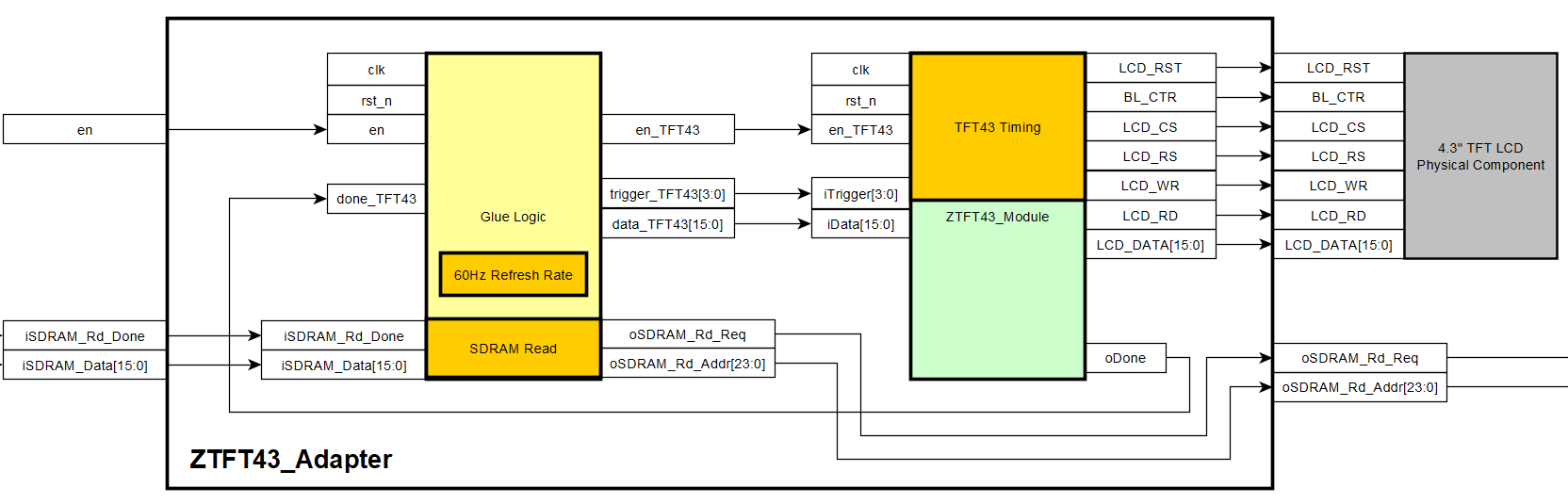
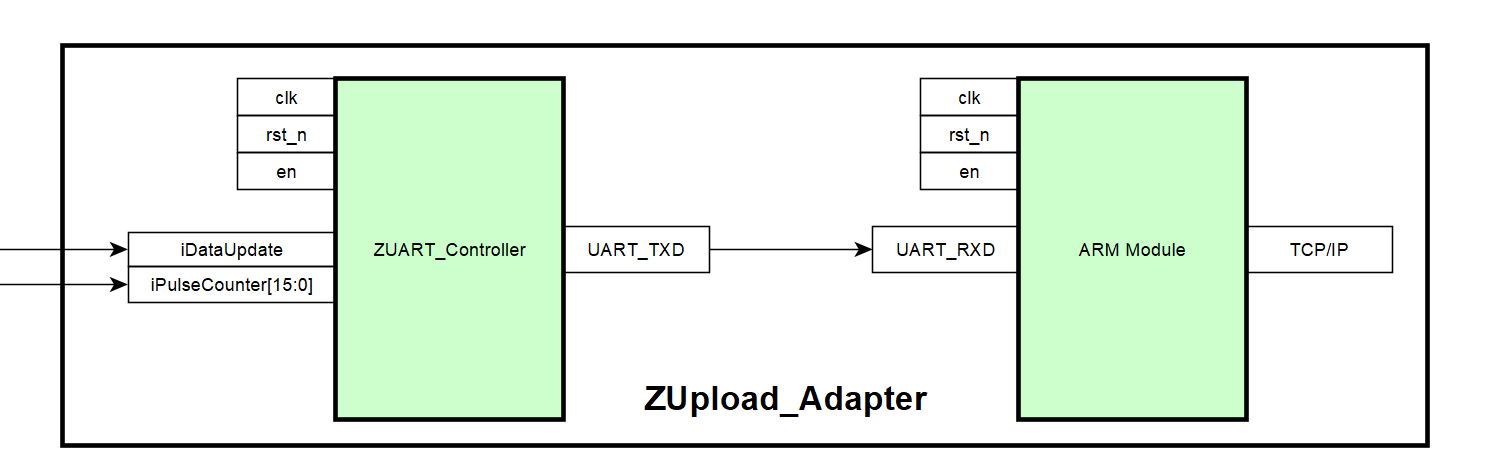


Figure ZTFT43\_Adapter Module



See Figure ZUpload\_Adapter Module

April 20, 2023

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