

| | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
|----------|-------------------|-------------|-------------------|--------------|-------------------|-------------------|-------------------|-------------------|
| PixCfg0 | – | RfSel | | 0 | IBSel | | 0 | CLSel |
| PixCfg1 | – | 0 | QInjEn | 0 | 0 | QSel | 0 | 0 |
| PixCfg2 | – | 0 | – | DACDiscri | 0 | HysSel | 0 | 0 |
| PixCfg3 | – | 0 | – | ScanStart | CLKEn | Bypass | BufEn | RSTn |
| PixCfg4 | 0 | 0 | 0 | 0 | DAC[7:0] | 0 | 0 | 0 |
| PixCfg5 | 0 | 0 | TH_offset | 0 | 0 | 0 | DAC[9:8] | 0 |
| PixCfg6 | enable_TDC | resetrn_TDC | autoReset_TDC | testMode_TDC | level_TDC | | | – |
| PixCfg7 | – | – | – | workMode | disTrigPath | disDataReadout | addrOffset | 0 |
| PixCfg8 | L1ADelay[0] | 0 | 0 | 0 | selfTestOccupancy | 0 | 0 | 0 |
| PixCfg9 | 0 | 0 | 0 | 0 | L1ADelay[8:1] | 0 | 0 | 0 |
| PixCfg10 | 0 | 0 | 0 | 0 | lowerCal[7:0] | 0 | 0 | 0 |
| PixCfg11 | 0 | 0 | upperCal[5:0] | 0 | 0 | 0 | lowerCal[9:8] | 0 |
| PixCfg12 | 0 | 0 | lowerTOA[3:0] | 0 | 0 | upperCal[9:6] | 0 | 0 |
| PixCfg13 | upperTOA[1:0] | 0 | 0 | 0 | 0 | lowerTOA[9:4] | 0 | 0 |
| PixCfg14 | 0 | 0 | 0 | 0 | upperTOA[9:2] | 0 | 0 | 0 |
| PixCfg15 | 0 | 0 | 0 | 0 | lowerTOT[7:0] | 0 | 0 | 0 |
| PixCfg16 | 0 | 0 | 0 | 0 | upperTOT[6:0] | 0 | 0 | lowerTOT[8] |
| PixCfg17 | 0 | 0 | lowerCalTrig[5:0] | 0 | 0 | 0 | upperTOT[8:7] | 0 |
| PixCfg18 | 0 | 0 | upperCalTrig[3:0] | 0 | 0 | 0 | lowerCalTrig[9:6] | 0 |
| PixCfg19 | lowerTOATrig[1:0] | 0 | 0 | 0 | 0 | upperCalTrig[9:4] | 0 | 0 |
| PixCfg20 | 0 | 0 | 0 | 0 | lowerTOATrig[9:2] | 0 | 0 | 0 |
| PixCfg21 | 0 | 0 | 0 | 0 | upperTOATrig[7:0] | 0 | 0 | 0 |
| PixCfg22 | 0 | 0 | 0 | 0 | lowerTOTTrig[5:0] | 0 | 0 | upperTOATrig[9:8] |
| PixCfg23 | 0 | 0 | upperTOTTrig[4:0] | 0 | 0 | 0 | lowerTOTTrig[8:6] | 0 |
| PixCfg24 | – | – | – | – | 0 | 0 | upperTOTTrig[8:5] | 0 |
| PixCfg25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PixCfg31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |