Documentation for PCFtool Interface

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| --- | --- | --- | --- |
| **Command** | **Parameter** | **Description** | **Comments** |
| 09 | XX XX XX XX | Connect |  |
|  | 01 00 XX XX | + Erase Chip |  |
|  | XX XX 0Y 00 | MDI Sequence Style  Y=0: 26A0700  Y=1: PCF7945 |  |
| 2B |  | Program ER Buf |  |
| 3B |  | Program EE Buf |  |
| 4B |  | Program ER |  |
| 1B |  | Program EE |  |
| 5B |  | Program EE Manual |  |
| 6B | XX YY 00 00 | Program Special Bytes (Page 127) XX: byte[2]  YY: byte[3] |  |
| 0D |  | Read ER |  |
| 1D |  | Read EE |  |
| 4D |  | Read ER Buf CRC |  |
| 0E |  | Protect |  |

Feedback (Answer from Tool) Bitmask:

|  |  |  |
| --- | --- | --- |
| **Bit Nr.** | **Info** | **Detail** |
| 0 | OK | Performed Action was successfully executed |
| 1 | Too less data | PCF returned less data than expected |
| 2 | Err. State received | PCF responded with an error status to the cmd / data former sent |
| 3 | Receive Timeout | PCF did not respond (return data) to the last action or cmd. No SCL edges were detected. |
| 4 | Prog special pages error | After writing special page 127 (byte 2 and 3) to EEROM, PCF did not confirm afterwards |
| 5 |  |  |
| 6 |  |  |