



NY NY





PSI5 Sensor Programming

SESKION Make sure that the number above the respective description (SAdr / FC) must have the same decimal value as previously determined. The hexadecimal number cannot be entered 1:1 below it. For this example, the ECU Pattern Editor looks like this: 小小小小 **ECUDataPatternEdito** Use for Sensor Init Add Command Delay Value BitCount 0x1f 0x2CF9 0xF Delete Save Load Send 制机机制制 Calculate Copy to List Start To close the editor, click Close in the upper right corner. To enter the programming mode, the values "POR Internal Delay," and "Sync Pulses Ignored" in the data sheet must be read out and added together to determine the advance. 新行机 HR IV Offset Cance Offset Cancellation Stage 2 Stage 1 制机机机 toc2 rogramming Mode Entry 1) Min. 31 sync pulses 2) PME command Sync Pulses NV VV Othen Ignored Svnc Pulse t_{RS_PN} The synchronization pulse is specified with at least 58 milliseconds for this sensor. The Internal Oscillator Frequency is 4 16.000*ms* MHz = 0.00025 ms and is calculated into the Internal Delay, so the Internal Delay = = 4 ms. Together, this is $\frac{1}{0,00025}$ ms now 62 milliseconds. 一推制 相限社 **Dynamic Electrical Characteristics - PSI5** 2.6 $V_L \le (V_{CC} - V_{SS}) \le V_H$, $T_L \le T_A \le T_H$, $\Delta T \langle V_C C - V_{SS} \rangle$ where the specified # Characteristic Symbol Units Min Max Тур Synchronization Pulse (Figure 5, Figure 28 and Figure 32) Reset to first sync pulse (Program Mode Entry) 104 5 ms tRS PN 2.7 Dynamic Electrical Characteristics - Signal Chain $V_L \le (V_{CC} - V_{SS}) \le V_H$, $T_L \le T_A \le T_H$, $\Delta T \le 25$ K/min, unless otherwise specified \$ymbol # Characteristic Min Max Units Тур 3.80 4 4.20 MHz 138 Frequency fosc 2.8 **Dynamic Electrical Characteristics - Supply and SPI** V_{SS}) \leq V_H, T_L \leq T_A \leq T_H, Δ T \leq 25 K/min, unless otherwise specified Characteristic Symbol Min Units Тур 新聞 Reset Recovery Internal Delay (After internal POR) t_{INT_INIT} 16000 / f s * THE HERE

117

XY







PSI5 Sensor Programming

In Diagnostic Mode the Long Frame Command can be set in the Configuration. It works exactly the same as in the ECU Pattern Editor with Copy/Paste. With Add you can add a new command or you can delete it with Delete. If you want to save a command, you can name it where "Read_0" is now and save it with Save Command.

XY

SESKION



制机机机制 To start it, you have to first selecting the ECU mode and then selecting the green arrow and Power again. Now you can find the individual commands in the Bidir Logging in the right column. By clicking on them, these commands will be run. With Clear you can delete the left logging.

