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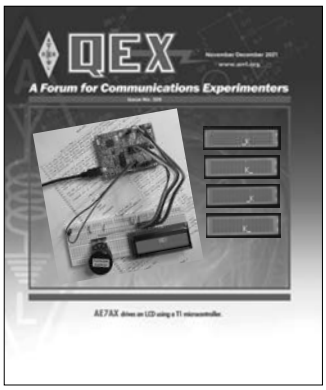
About the Cover

James Kretzschmar, AE7AX, describes how to display data on a liquid crystal display (LCD). A Texas Instruments MSP430G2553 microcontroller controls the Newhaven NHD-0216H1Z LCD 16 by 2 LCD with the your custom programming. AE7AX discusses five commands in detail: (1) clear the display, (2) display control, (3) display shift, (4) entry mode, and (5) setting of the character position DDRAM address. One example program sets up the LCD to display the letters "QEX". Another example program provides a practical application using one of the analog-to-digital (ADC) channels on the MSP430G2553 microcontroller to sample a position sensor and display the digital number on the LCD.



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