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MCP3421 Weight Scale Demo Board Buy it Now

Part Number: MCP3421DM-WS

Devices Supported:
MCP3421, MCP6V07, PIC18F4550

Summary Description:
The MCP3421 Weight Scale Demo Board is designed to evaluate the performance of the low-power consumption, 18-bit ADC in an electronic weight scale design. Next to the MCP3421 there is a low-noise, auto-zero MCP6V07 op amp. This can be used to investigate the impact of extra gain added before the ADC for performance improvement. The PIC18F4550 is controlling the LCD and the USB communication with the PC. The GUI is used to indicate the performance parameters of the design and for calibration of the weight scale.

- This Kit Contains:
- MCP3421 Weight Scale Demo Board
 - 9V Power adapter
 - Mini USB cable
 - CD with software and documentation



- Features:
- Low-power consumption 18-bit ADC
 - Low-noise, auto-zero op amp MCP6V07
 - 2Kg load cell
 - USB connectivity to PC
 - PC software for calibration and performance evaluation

Downloads

Title	Date Published	Size	D/L
MCP3421 Weight Scale Demo Board (MCP3421DM-WS) Gerbers	11/9/2011 9:21:29 AM	191 KB	
18-Bit ADC with I2C Interface and Onboard Reference	8/10/2009 8:37:18 AM	722 KB	
Analog & Interface Product Selector Guide	6/18/2012 12:18:04 PM	2923 KB	
MCP3421 Weight Scale Demo Board (MCP3421DM-WS) BOM	11/9/2011 9:20:42 AM	32 KB	
MCP3421 Weight Scale Demo Board (MCP3421DM-WS) Firmware	11/8/2011 4:32:05 PM	674 KB	
MCP3421 Weight Scale Demo Board (MCP3421DM-WS) Schematic	11/9/2011 9:16:32 AM	112 KB	
MCP3421 Weight Scale Demo Board (MCP3421DM-WS) Software v1.0	11/10/2011 12:16:28 PM	258318 KB	
MCP3421 Weight Scale Demo Board User's Guide	11/19/2010 11:50:37 AM	895 KB	
MCP6V06/7/8 Data Sheet	6/18/2009 12:27:03 AM	1111 KB	

PIC18F2455/2550/4455/4550 Data sheet	10/27/2009 2:04:05 PM	6988 KB	
Quick Guide to Microchip Development Tools	5/22/2012 8:19:20 AM	5399 KB	

