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Part Number: MCP6XXXDM-FLTR

Active Filter Demo Board Kit

Devices Supported: MCP6271



Summary Description:

This kit supports Mindi™ Active Filter Designer & Simulator and active filters designed by FilterLab® V2.0. These filters are all pole and are built by cascading first and second order sections.

The Active Filter Demo Board Kit is comprised of three sub-assemblies:

- $V_{DD}/2$ Filter Section – One PCB designed to provide mid-supply biasing to the other Printed Circuit Boards (PCB); it provides test points for connecting a lab power supply and a lab signal generator
- Active Filter Sections – Four PCBs that support active filter designs with filter order between $n = 1$ and 8; each board supports a first or second order filter section, and provides an output test point for lab equipment
- Accessory Bag – Contains op amps and zero ohm jumpers that can be used to help build filters; it also contains resistors and capacitors needed to build a 5th order, Bessel low-pass filter.

Features:

- Easily re-configured
- Sockets for op amps, resistors, and capacitors
- Supports all active filters designed by Mindi™ Active Filter Designer & Simulator
- Supports all active filters designed by FilterLab® V2.0

Other Requirements:

- Lab Equipment:
 - Power Supply
 - Signal Generator
 - Oscilloscope
 - Network Analyzer (if available)