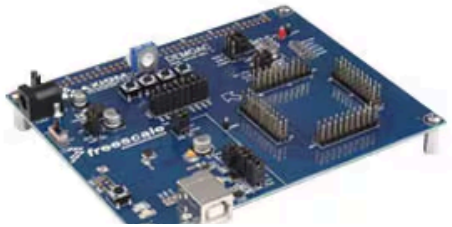
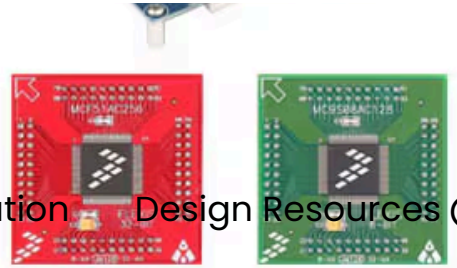
Flexis AC Demonstration Board

DEMOAC Receive alerts



BACK TO TOP



Roll over image to zoom in

ssets/ima
boc

The DEMOAC provides a platform supporting a line of NXP® MCUs that are part of the Flexis® Continuum.

- Target MCUs mount on plug-in modules to support quickly changing the target MCU
- The DEMOACEX is a peripheral expansion board designed to interface with the DEMOAC board
- The DEMOACEX applies the NXP MC33794 E-field imaging sensor connected to touchpad in various arrangements

Product Details

Supported Devices | Features

(//www.nxp.com) **Flexis AC Demonstration Board**

Supported Devices

Processors and Microcontrollers

ColdFire® V1 Processors	• **MCF51AC** (/products/processors-and-microcontrollers/legacy-mpu-mcus/32-bit-coldfire-mcus-mpus/coldfire-microcontrollers/coldfire-v1-processors/flexis-32-bit-coldfire-v1-microcontrollers:MCF51AC)**:** Flexis 32-Bit ColdFire. V1 Microcontrollers
8-Bit S08 MCUs	• **S08AC** (/products/processors-and-microcontrollers/additional-mpu-mcus-architectures/8-bit-s08-mcus/8-bit-flexis-ac128-96-60-48-32-mcus:S08AC)**:** 8-bit Flexis® AC128/96/60/48/32 MCUs

Features

DEMOAC

- Integrated, USB BDM
- ON/OFF power switch
- Power input select option header
  - On-board 5V regulator
  - Power from USB BDM

    - Optional power sourced to connector J1
- 4 MHz XTAL oscillator
- 3-axis accelerometer
- LEDs – four users, one power, one reset
- Push button switches – four users, one reset
- 5K ohm POT
- Jumpers to disconnect user features
- 80-pin MCU PORT provides access to MCU signals
- 4 20-pos pin-headers support plug-in MCU modules
- IIC termination select header

DEMOACEX

- 80-pin MCU PORT connects to DEMOAC board
- 9-channel, E-Field sensor
- E-field touchpad including rotary dial and push-buttons
- Two low-pass RC filters
- 5 V – 12 V boost switcher power supply for E-field sensor
- LEDs – 10 user, one E-field lamp
- CAN 2.0 A/B PHY w/ Three-pos header
- Jumpers to disconnect all IO signals
- SOIC and TSSOP pads for external ICs
- Large thru-hole prototyping area w/ +adjacent 5V and GND