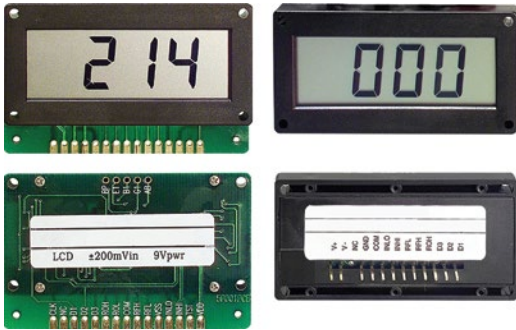




H5F, H5P Series

3.5 Digit LCD Panel Meter



Features

- Low cost
- Ultra-compact, flat design
- Less than .25" deep
- 3 1/2 digits with high-contrast LCD

Specifications

Display

Digits: 3 1/2 digits (± 1999 counts)
 Type: 0.5" (13mm) 7 segment reflective LCD
 Digit Height: .50" (12.7mm)
 Polarity: automatic, "-" displayed
 Annunciators: "LoBat" when power <7.2 VDC
 Decimal Points: 3 position, user-selectable
 Overrange: three lower order digits blank

Inputs

Ranges: ± 200.0 mV, ± 2.000 V, ± 20.00 VDC
 Configuration: true differential input and reference
 Protection: 250V DC OR 150 V RMS continuous, 300V intermittent max
 Impedance: >100 M Ω on ± 200 mV; (>1 M Ω on 2V & 20V range)
 Bias Current: 1 pA typical, 10 pA max

Performance

Accuracy: $\pm(0.1\% \text{ fs} + 2 \text{ count})$ with +5 and ± 5 V power
 $\pm(0.1\% \text{ rgd} + 1 \text{ count})$ with 9 V power
 Conversion Rate: 2.5 per second
 Normal Mode Rejection: >30 dB @ 60 Hz
 Common Mode Range: ± 1 VDC max
 Common Mode Rejection: >86 dB
 Zero Adjustment: automatic
 Warmup: 10 minutes typical
 Temperature Coeff.: ± 100 ppm per $^{\circ}\text{C}$ typical

Environment

Operating Range: 0 to 50 $^{\circ}\text{C}$
 Storage Range: -10 to 60 $^{\circ}\text{C}$
 Relative Humidity: 0 to 95% non-condensing

Power Supply

9V powered: 9 V isolated, 7.2-12 V at 150 μA
 +5V and -5V DC: ± 5 V $\pm 5\%$ at 150 μA
 +5V DC: 5 V $\pm 5\%$ at 3 mA

Mounting

panel hole mounting, standard bezel mount (optional)
 Dimensions: 2.37 x 1.50 x .32
 Panel Cutout: 1.89 x .66
 Weight: 0.9 oz (25 g)

Connection:

5F: 13 pins, 0.025" square - pin 3 missing
 5P: 15 solder pads

Ordering Information

Part Number	Meter Input	Meter Power
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H5F Series - 13-pins

H5F0040	200mV	+5VDC
H5F0050	200mV	± 5 VDC
H5F0090	200mV	9V
H5F0140	2V	+5VDC
H5F0150	2V	± 5 VDC
H5F0190	2V	9V
H5F0240	20V	+5VDC
H5F0250	20V	± 5 VDC
H5F0290	20V	9V

H5P Series - 15 pads

H5P0040	200mV	+5VDC
H5P0050	200mV	± 5 VDC
H5P0090	200mV	9V
H5P0140	2V	+5VDC
H5P0150	2V	± 5 VDC
H5P0190	2V	9V
H5P0240	20V	+5VDC
H5P0250	20V	± 5 VDC
H5P0290	20V	9V

Accessories

HB-1B: Bezel Mounting Kit
 HJ1C13: 13 Pin Connector / Wire Assembly
 HPW2-5: Regulated 120V AC to 5V DC Power Supply
 HPW2-12: Regulated 120V AC to 12V DC Power Supply
 HCVC: Calibrator



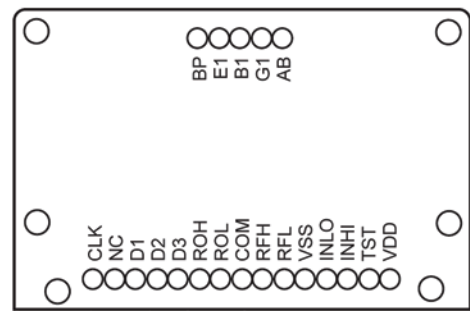
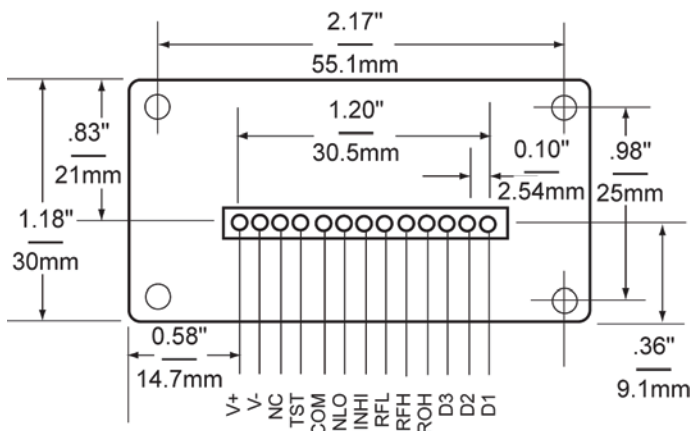
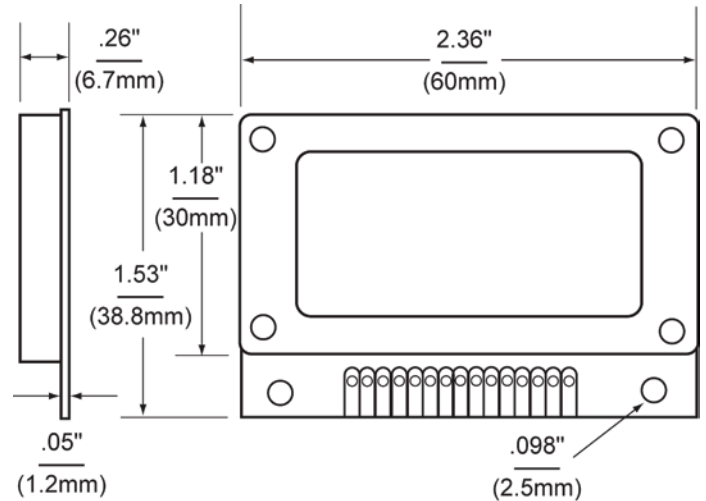
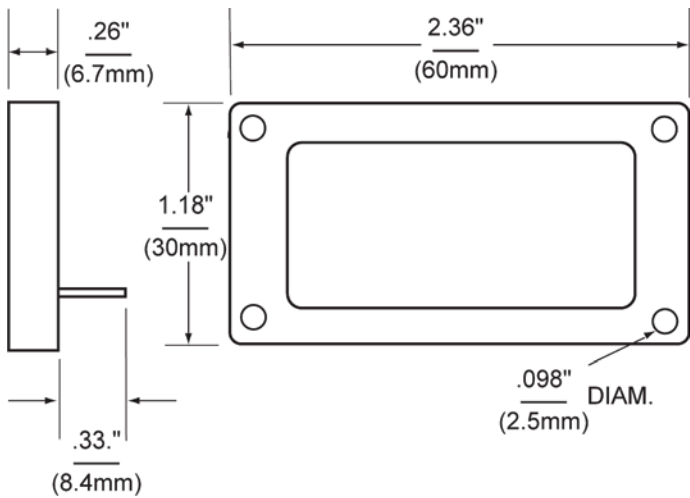
H5F, H5P Series

3.5 Digit LCD Panel Meter

Dimensions

H5F Series

H5P Series



NOTE:
DIM. = inches
(2.5mm)

NOTE: DO NOT SOLDER TO PINS

Bezel Mounting

