

The Calex Model MS18 provides a convenient turn-key mounting option for screw terminal connections to single output industry standard 1/4 brick DC/DC converters including the Calex 75 Watt QH Series. The MS18 creates an ideal test platform or backplane mounting option for applications requiring screw terminal connections.

The MS18 Quarter Brick Mounting Kit provides an input fuse for over current protection, a common mode choke and filtering capacitors to reduce common mode and differential mode noise.

If additional filtering is required, pads for additional capacitors are located on the bottom (converter side) of the mounting kit. The pads on the input side are for 1812 package. The 1812 part should have a voltage rating higher than the maximum input voltage transient. The pads on the output side are

for a D case. The voltage rating for this capacitor should be at least double the output voltage.

If input to output isolation is not required, a 0 Ohm jumper should be installed in place of C7.

If input to output isolation is to be utilized, a 1000pF to 0.01uF capacitor should be installed at C7 or C8 to reduce common mode noise. The voltage rating of the capacitor should be greater than that of the isolation voltage required for converter operation.

If the output voltage of the converter needs to be adjusted, the mounting kit has pads for trim resistors. A resistor installed on the Trim Up pads R1 or R1A will trim the voltage up. A resistor installed on the Trim Down pads R2 or R2A will trim the voltage down.

