



### Product Features:

- 10/100BASE-TX Ethernet RJ45
- IEEE802.3af Compliant
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- 30μ" Gold (min) on Contacts
- Proprietary Robust Contact Design

| Part Number                  |                                 | Circuit | LED's<br>(L/R) | PoE | Return Loss (min) |         |         |          | Insertion Loss<br>(max) |
|------------------------------|---------------------------------|---------|----------------|-----|-------------------|---------|---------|----------|-------------------------|
| Standard Temp<br>(0 to 70°C) | Extended Temp<br>(-40 to +85°C) |         |                |     | 1-30MHz           | 40MHz   | 50MHz   | 60-80MHz |                         |
| HFJ11-RP44ERL                | HFJ11-RPE44ERL                  | A       | None           | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP44E-L11RL            | HFJ11-RPE44E-L11RL              | A       | G/G            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP44E-L12RL            | HFJ11-RPE44E-L12RL              | A       | G/Y            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP44E-L15RL            | HFJ11-RPE44E-L15RL              | A       | G/G(Y)         | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP44E-L21RL            | HFJ11-RPE44E-L21RL              | A       | Y/G            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP48ERL*               | HFJ11-RPE48ERL                  | B       | None           | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP48E-L11RL*           | HFJ11-RPE48E-L11RL              | B       | G/G            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP48E-L12RL*           | HFJ11-RPE48E-L12RL              | B       | G/Y            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP48E-L15RL*           | HFJ11-RPE48E-L15RL              | B       | G/G(Y)         | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |
| HFJ11-RP48E-L21RL*           | HFJ11-RPE48E-L21RL              | B       | Y/G            | ✓   | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                  |

\*RP48 and RPE48 for use with current drive Auto-MDIX PHY's only

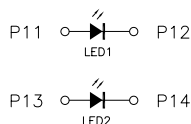
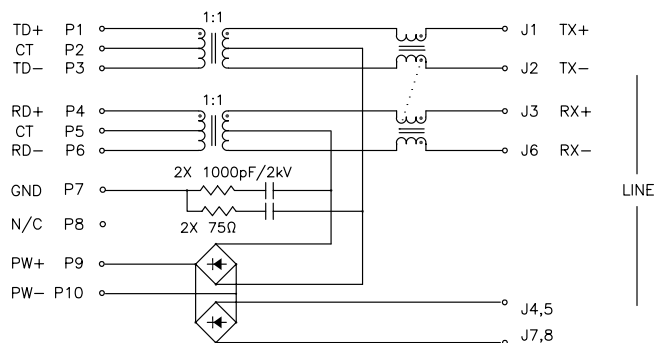
### Notes:

1. When using the RP44E or RPE44E circuits please contact the factory or local representative PCB layout app note
2. LED Key : G = Green, Y = Yellow, O = Orange, ( ) = Bi-Color
3. Other LED colors, bi-colors, polarities, and current limiting versions available
4. Available without ground tabs
5. Part specific datasheets available

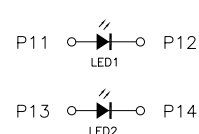
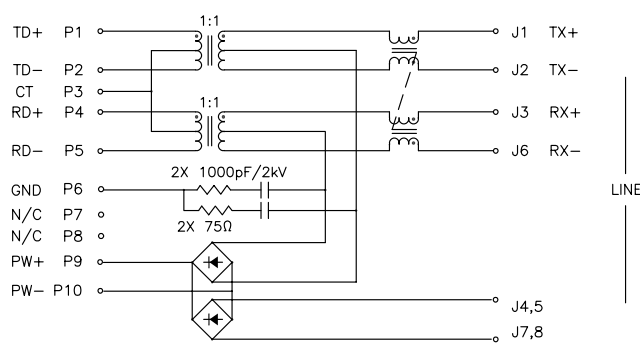
# HALO 10/100BASE-TX Ethernet Family of FastJacks

## Circuit A

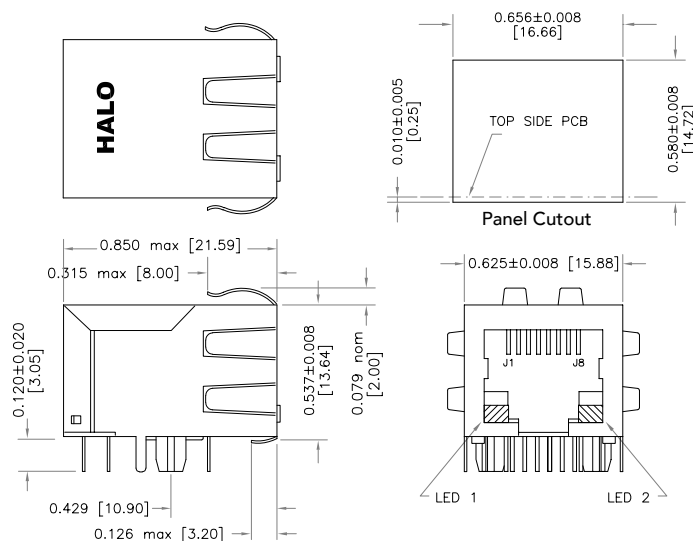
If using circuit A please contact the factory for suggested solder pad layout.



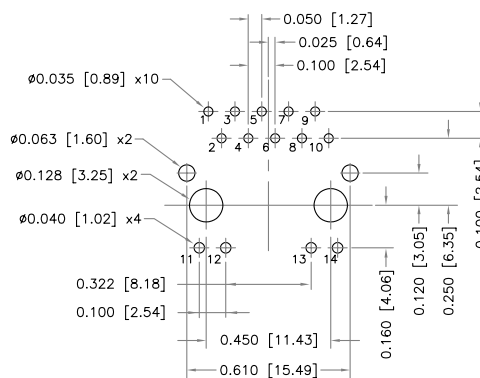
## Circuit B



## Mechanical



Dimensions are in inches [mm]



Recommended PCB Layout (Component Side)

\* Parts numbers without LED's omit pins 11 through 14

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