



## Product Features:

- 10/100 Ethernet RJ45
- IEEE802.3u Compliant
- 30µ" Gold Plating (min) on Contacts
- 350uH min OCL at 8mA DC Bias Across the Full Temp Range
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Proprietary Robust Contact Design

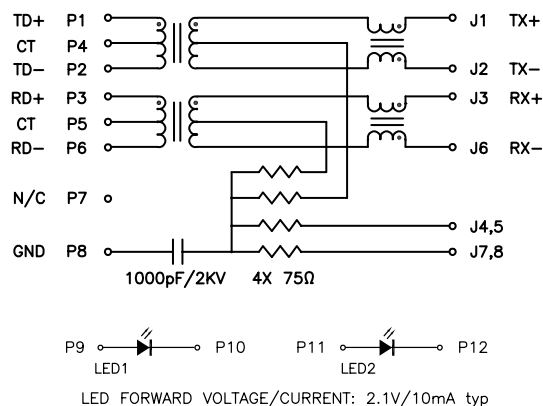
| Part Number                  |                                 | Circuit | LED's<br>(L/R) | Return Loss (min) |         |         |          | Insertion<br>Loss<br>(typ) |
|------------------------------|---------------------------------|---------|----------------|-------------------|---------|---------|----------|----------------------------|
| Standard Temp<br>(0 to 70°C) | Extended Temp<br>(-40 to +85°C) |         |                | 1-30MHz           | 40MHz   | 50MHz   | 60-80MHz |                            |
| HFJ11-2450ERL                | HFJ11-E2450ERL                  | A       | None           | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L11RL            | HFJ11-E2450E-L11RL              | A       | G/G            | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L12RL            | HFJ11-E2450E-L12RL              | A       | G/Y            | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L15RL            | HFJ11-E2450E-L15RL              | A       | G/G(Y)         | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L17RL            | HFJ11-E2450E-L17RL              | A       | G/G(O)         | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L21RL            | HFJ11-E2450E-L21RL              | A       | Y/G            | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L55RL            | HFJ11-E2450E-L55RL              | A       | G(Y)/G(Y)      | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L56RL            | HFJ11-E2450E-L56RL              | A       | G(Y)/Y(G)      | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L77RL            | HFJ11-E2450E-L77RL              | A       | G(O)/G(O)      | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |
| HFJ11-2450E-L78RL            | HFJ11-E2450E-L78RL              | A       | G(O)/O(G)      | -18dB             | -15.5dB | -13.6dB | -12dB    | -1.1dB                     |

## Notes:

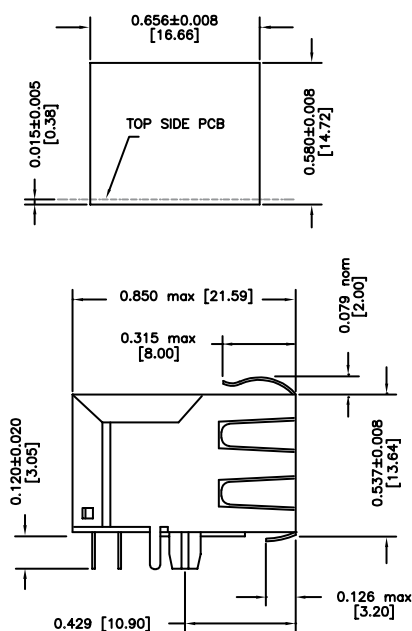
1. LED Key : G = Green, Y = Yellow, O = Orange, ( ) = Bi-Color
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Unshielded or shielded without ground tabs available
4. Part specific datasheets available

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

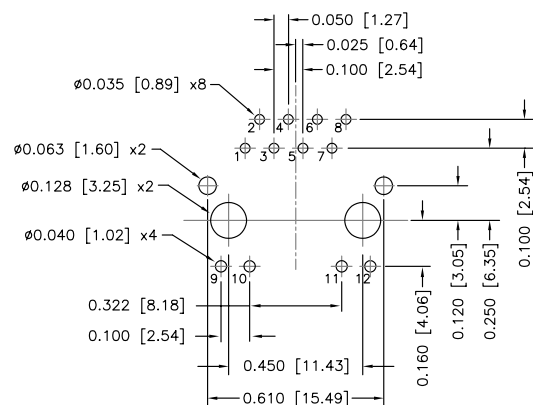
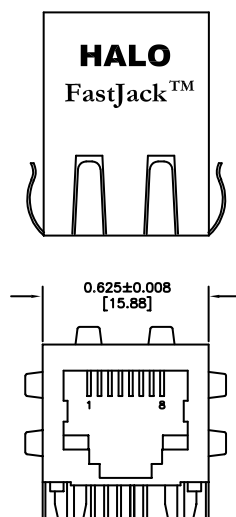
## Circuit A



## Mechanical



Dimensions are in inches [mm]



Recommended PCB Layout (Component Side)

\* Parts numbers without LED's omit pins 9 through 12

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