



### Product Features:

- 10BASE-T Ethernet RJ45
- IEEE802.3i Compliant
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Proprietary Robust Contact Design
- 30µ" Gold Plating on Contacts

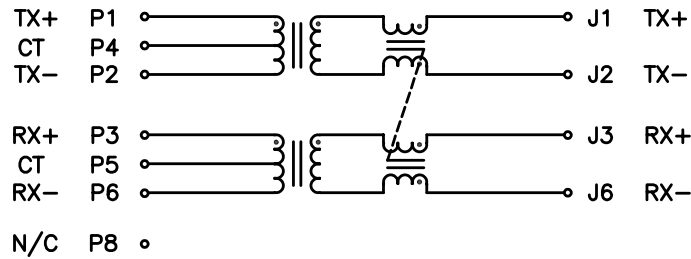
| Part Number<br>(0 to 70°C) | Circuit | LED's<br>(L/R) | Turns Ratio (± 3%) |       | Return Loss<br>5-10MHz | OCL (100kHz, 0.1Vrms) |       | Crosstalk<br>(0.1-10MHz) |
|----------------------------|---------|----------------|--------------------|-------|------------------------|-----------------------|-------|--------------------------|
|                            |         |                | TX                 | RX    |                        | TX                    | RX    |                          |
| HFJ11-1041ERL              | A       | None           | 1CT:2.5            | 1CT:1 | -15dB                  | 35µH                  | 200µH | -40dB                    |
| HFJ11-1041E-L11RL          | A       | G/G            | 1CT:2.5            | 1CT:1 | -15dB                  | 35µH                  | 200µH | -40dB                    |
| HFJ11-1041E-L12RL          | A       | G/Y            | 1CT:2.5            | 1CT:1 | -15dB                  | 35µH                  | 200µH | -40dB                    |
| HFJ11-1041E-L21RL          | A       | Y/G            | 1CT:2.5            | 1CT:1 | -15dB                  | 35µH                  | 200µH | -40dB                    |
| HFJ11-1043ERL              | A       | None           | 1CT:1.41           | 1CT:1 | -15dB                  | 140µH                 | 140µH | -40dB                    |
| HFJ11-1043E-L11RL          | A       | G/G            | 1CT:1.41           | 1CT:1 | -15dB                  | 140µH                 | 140µH | -40dB                    |
| HFJ11-1043E-L12RL          | A       | G/Y            | 1CT:1.41           | 1CT:1 | -15dB                  | 140µH                 | 140µH | -40dB                    |
| HFJ11-1043E-L21RL          | A       | Y/G            | 1CT:1.41           | 1CT:1 | -15dB                  | 140µH                 | 140µH | -40dB                    |
| HFJ11-1075ERL              | A       | None           | 1CT:2              | 1CT:1 | -15dB                  | 25µH                  | 140µH | -40dB                    |
| HFJ11-1075E-L11RL          | A       | G/G            | 1CT:2              | 1CT:1 | -15dB                  | 25µH                  | 140µH | -40dB                    |
| HFJ11-1075E-L12RL          | A       | G/Y            | 1CT:2              | 1CT:1 | -15dB                  | 25µH                  | 140µH | -40dB                    |
| HFJ11-1075E-L21RL          | A       | Y/G            | 1CT:2              | 1CT:1 | -15dB                  | 25µH                  | 140µH | -40dB                    |
| HFJ11-1081ERL              | A       | None           | 1CT:1              | 1CT:1 | -15dB                  | 100µH                 | 100µH | -40dB                    |
| HFJ11-1081E-L11RL          | A       | G/G            | 1CT:1              | 1CT:1 | -15dB                  | 100µH                 | 100µH | -40dB                    |
| HFJ11-1081E-L12RL          | A       | G/Y            | 1CT:1              | 1CT:1 | -15dB                  | 100µH                 | 100µH | -40dB                    |
| HFJ11-1081E-L21RL          | A       | Y/G            | 1CT:1              | 1CT:1 | -15dB                  | 100µH                 | 100µH | -40dB                    |

### Notes:

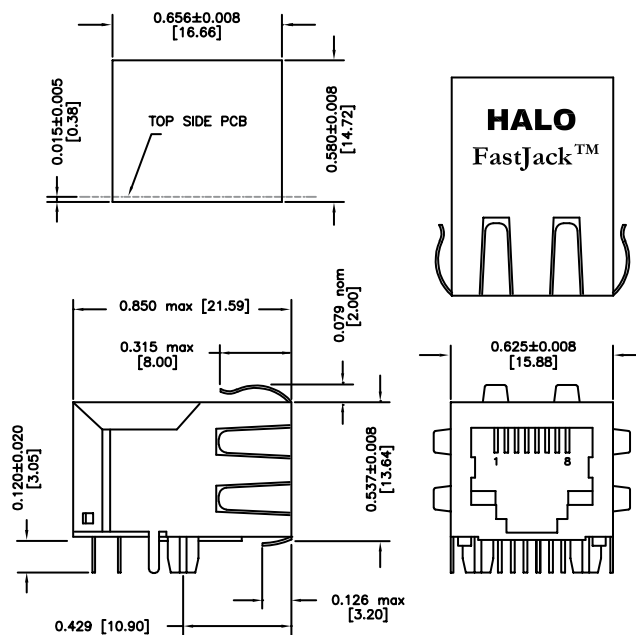
1. LED Key : G = Green, Y = Yellow
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Unshielded and without ground shield tabs available
4. Part specific datasheets available
5. Lightning strike and power line cross circuit protection versions available
6. Extended temperature available
7. Tab-up versions available
8. 1x2 and 1x4 ganged Fastjacks available
9. Additional turns ratios available

# HALO 10BASE-T Ethernet Family of FastJacks

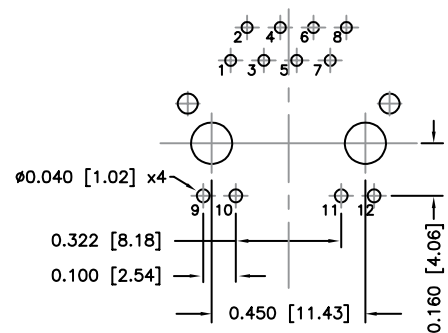
## Circuit A



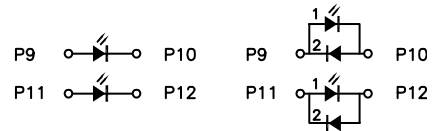
## Mechanical



Dimensions are in inches [mm]



Recommended PCB Layout (Component Side)



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

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