

### Product Features:

- Gigabit (10/100/1000) Ethernet RJ45
- IEEE802.3ab Compliant
- 350uH min OCL at 8mA DC Bias Across the Full Temp Range
- 30μ" Gold Plating (min) on Contacts
- 100% Compliance Testing
- 1500Vrms Hi-Pot

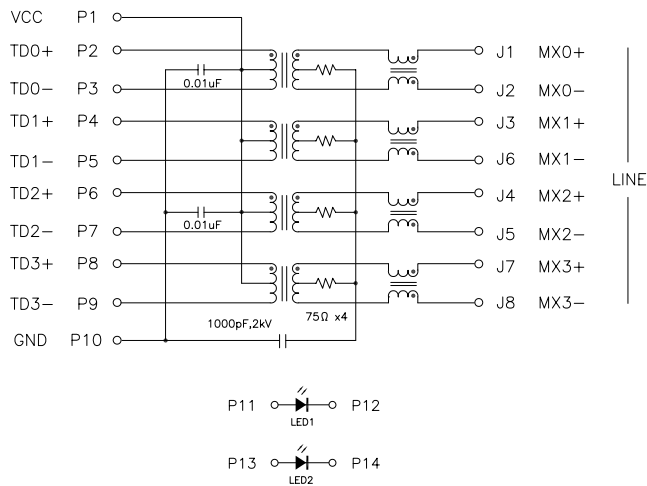
| Part Number                  |                                 |       |         |                |         |       |       |        |         | PHY Drive |
|------------------------------|---------------------------------|-------|---------|----------------|---------|-------|-------|--------|---------|-----------|
| Standard Temp<br>(0 to 70°C) | Extended Temp<br>(-40 to +85°C) | Ports | Circuit | LED's<br>(L/R) | 1-40MHz | 60MHz | 80MHz | 100MHz |         |           |
| HFJ12-1G11ERL                | HFJ12-E1G11ERL                  | 2     | A       | None           | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ12-1G11ER-L11RL           | HFJ12-E1G11ER-L11RL             | 2     | A       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ12-1G16ERL                | HFJ12-E1G16ERL                  | 2     | B       | None           | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ12-1G16ER-L11RL           | HFJ12-E1G16ER-L11RL             | 2     | B       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ12-1G41ERL                | HFJ12-E1G41ERL                  | 2     | C       | None           | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ12-1G41ER-L11RL           | HFJ12-E1G41ER-L11RL             | 2     | C       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ12-1G46ERL                | HFJ12-E1G46ERL                  | 2     | D       | None           | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ12-1G46ER-L11RL           | HFJ12-E1G46ER-L11RL             | 2     | D       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ14-1G11ERL                | HFJ14-E1G11ERL                  | 4     | A       | None           | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ14-1G11ER-L11RL           | HFJ14-E1G11ER-L11RL             | 4     | A       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ14-1G16ERL                | HFJ14-E1G16ERL                  | 4     | B       | None           | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ14-1G16ER-L11RL           | HFJ14-E1G16ER-L11RL             | 4     | B       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Current |           |
| HFJ14-1G41ERL                | HFJ14-E1G41ERL                  | 4     | C       | None           | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ14-1G41ER-L11RL           | HFJ14-E1G41ER-L11RL             | 4     | C       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ14-1G46ERL                | HFJ14-E1G46ERL                  | 4     | D       | None           | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |
| HFJ14-1G46ER-L11RL           | HFJ14-E1G46ER-L11RL             | 4     | D       | G/G            | -18dB   | -14dB | -12dB | -10dB  | Voltage |           |

### Notes:

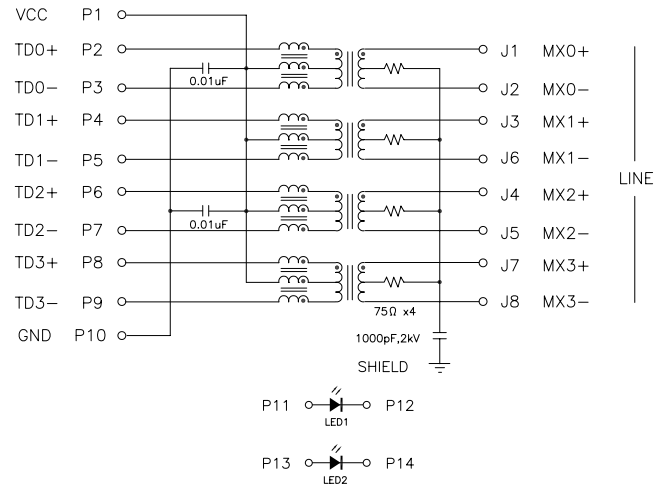
1. LED Key : G = Green
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Part specific datasheets available

# HALO Gigabit Ethernet Family of FastJacks

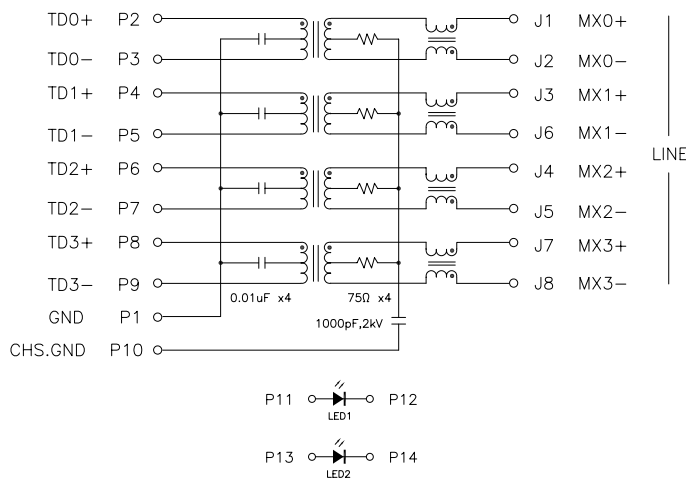
## Circuit A



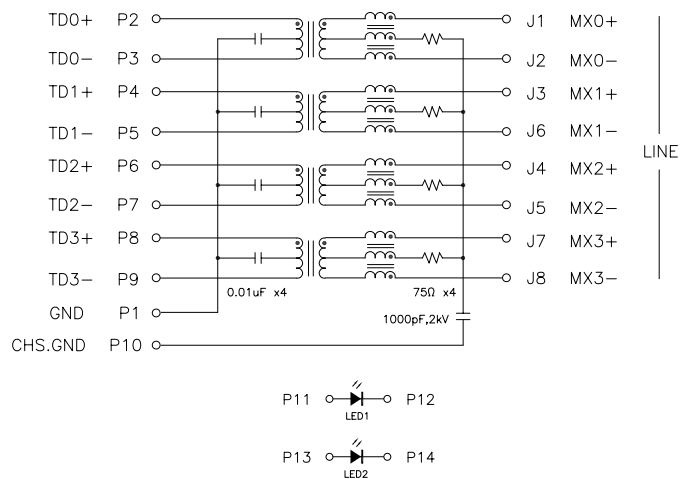
## Circuit B



## Circuit C

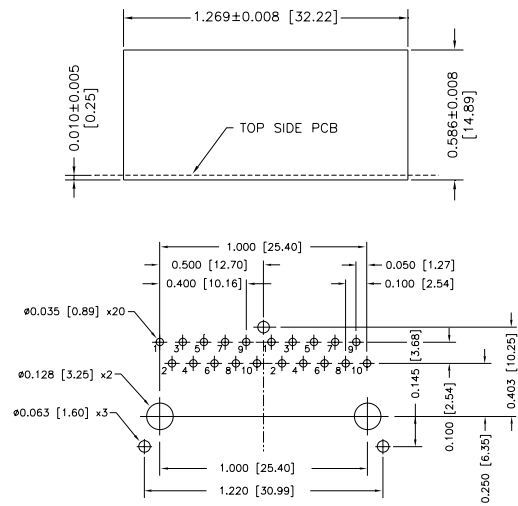
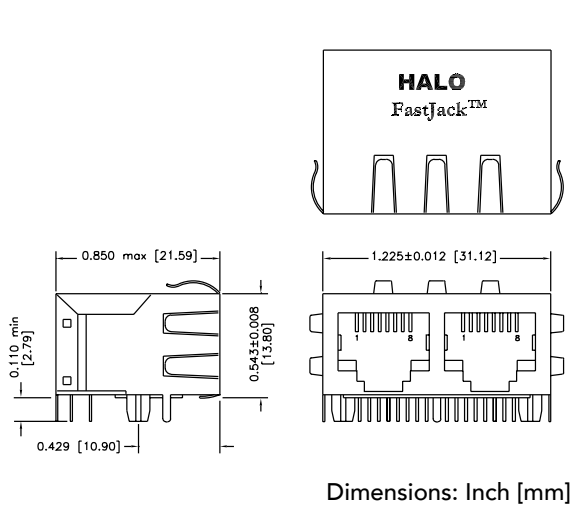


## Circuit D

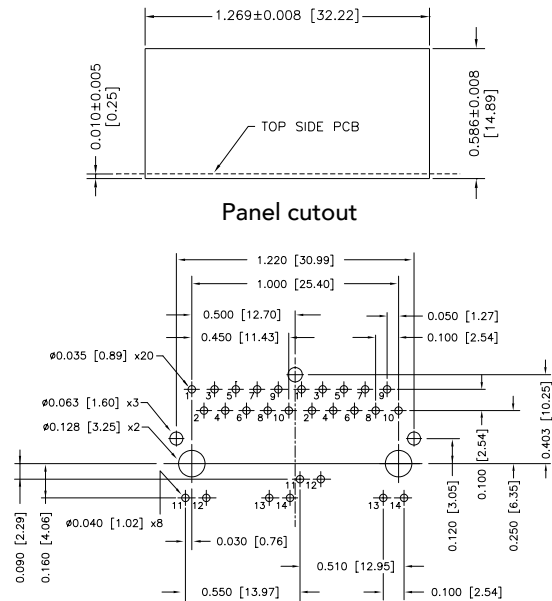
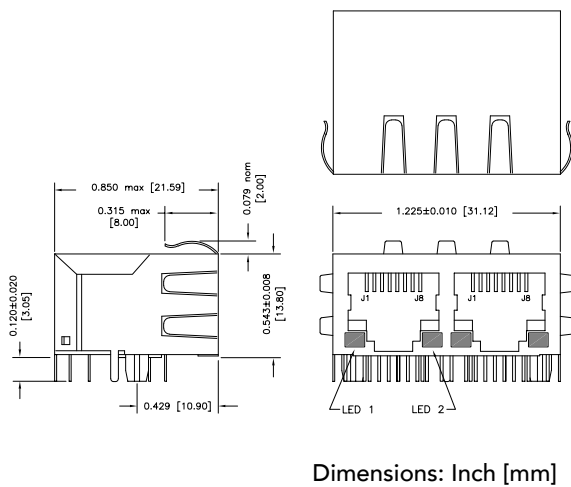


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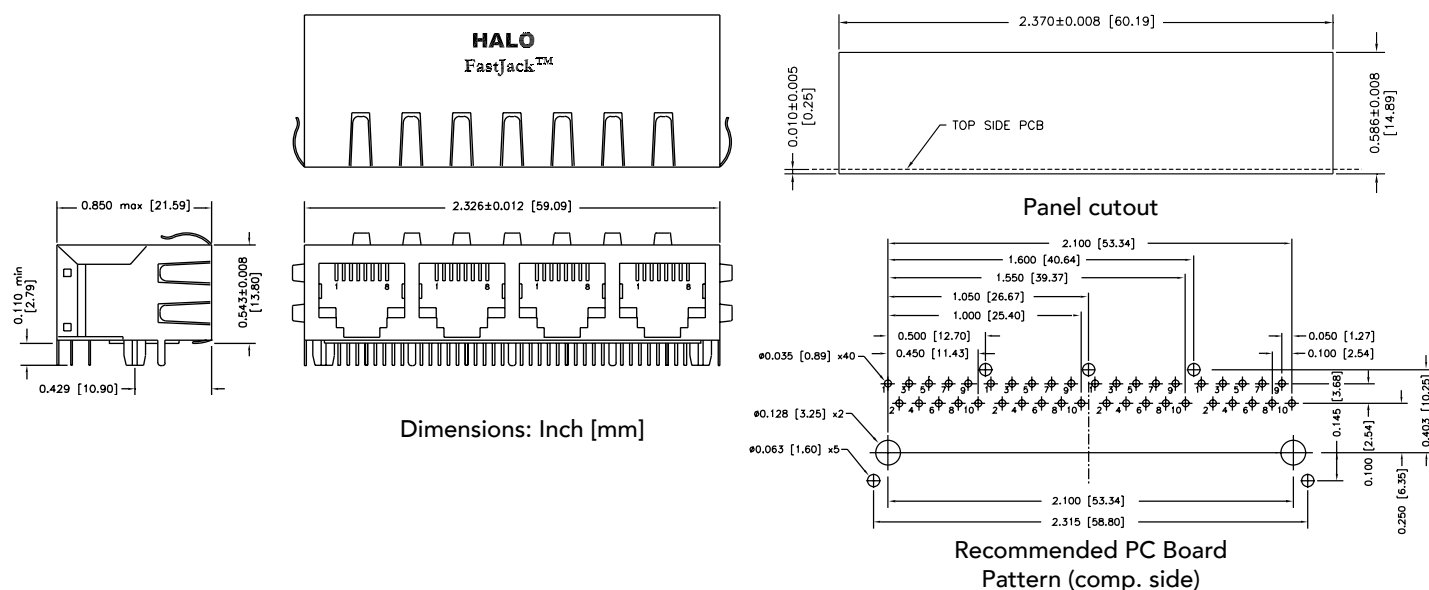
## HFJ12 Mechanical - Without LED's



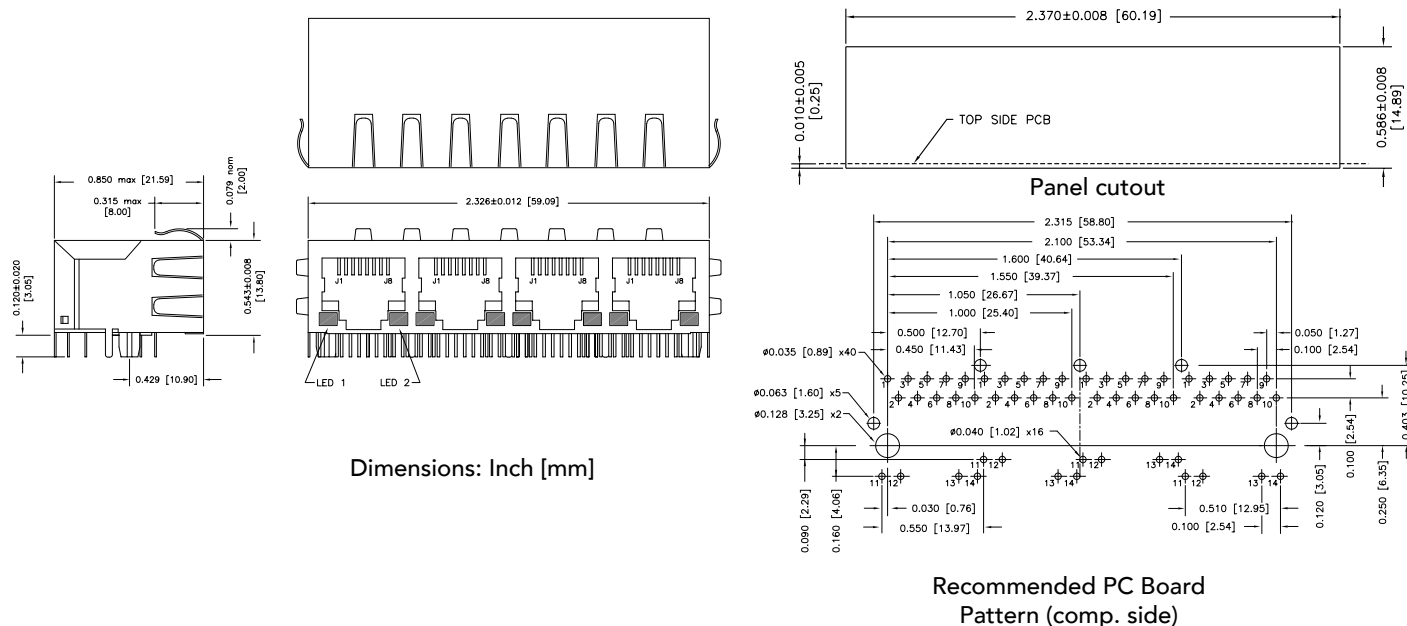
## HFJ12 Mechanical - With LED's



## HFJ14 Mechanical - Without LED's



## HFJ14 Mechanical - With LED's



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HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.