



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

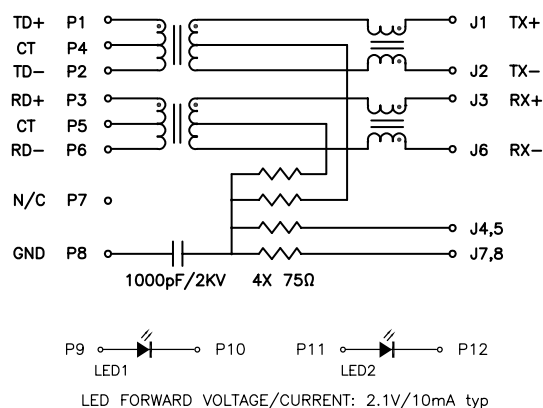
Part Number		Circuit	LED's (L/R)	Return Loss (min)				Insertion Loss (typ)
Standard Temp (0 to 70°C)	Extended Temp (-40 to +85°C)			1-30MHz	40MHz	50MHz	60-80MHz	
HFJ11-2450ERL	HFJ11-E2450ERL	A	None	-18dB	-15.5dB	-13.6dB	-12dB	-1.1dB
HFJ11-2450E-L11RL	HFJ11-E2450E-L11RL	A	G/G	-18dB	-15.5dB	-13.6dB	-12dB	-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:

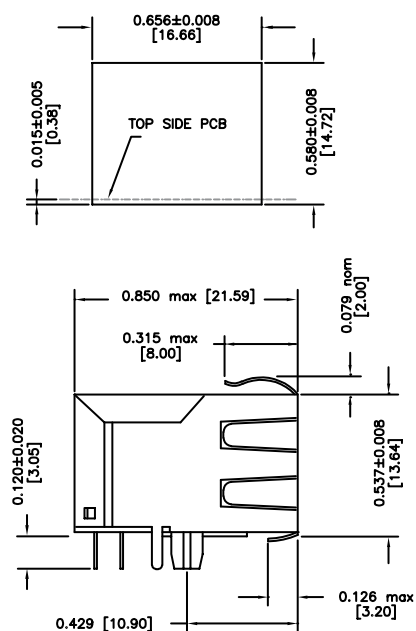
1. LED Key : G = Green, Y = Yellow, O = Orange, () = Bi-Color
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Unshielded or shielded without ground tabs available
4. Part specific datasheets available

HALO 10/100BASE-TX Ethernet Family of FastJacks

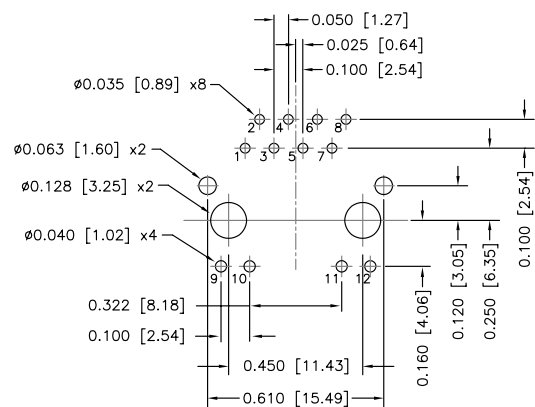
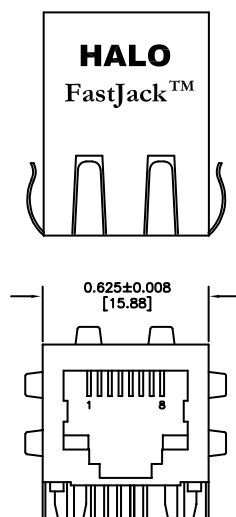
Circuit A



Mechanical



Dimensions are in inches [mm]



Recommended PCB Layout (Component Side)

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

HALO
ELECTRONICS, INC.

2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800

www.halo-electronics.com

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.

© Copyright 2014 HALO Electronics, Inc. All rights reserved.

Revised 8/2014. Download the latest version at www.halo-electronics.com/pdf/fastjack-100baset.pdf