



### Product Features:

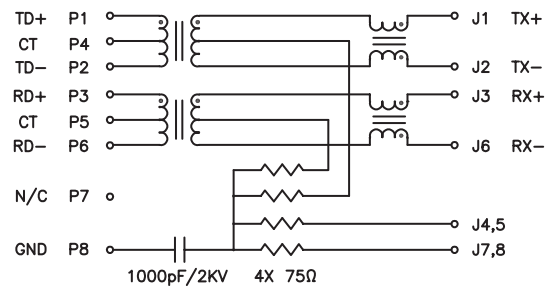
- 10/100 Ethernet RJ45
- IEEE802.3u Compliant
- 30µ" Gold Plating (min) on Contacts
- 350uH min OCL at 8mA DC Bias Across the Full Temp Range
- 100% Electrical Testing
- 1500Vrms Hi-Pot
- Proprietary Robust Contact Design

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

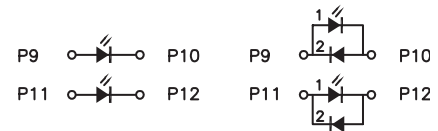
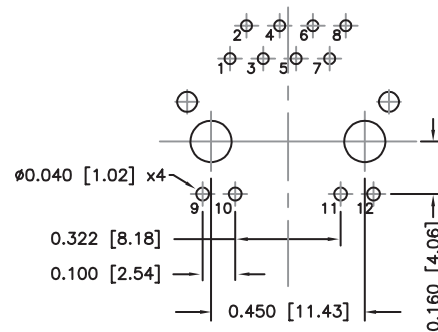
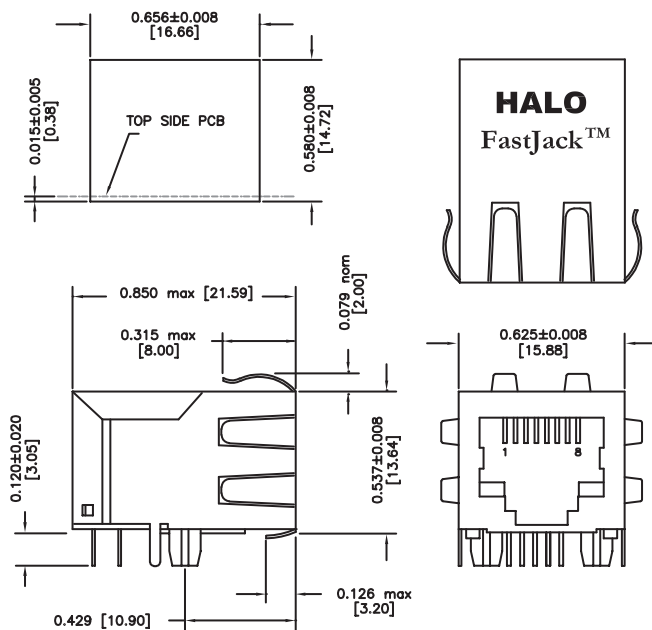
Notes:

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 and Without Ground Shield Tabs Available
4. Part specific datasheets available

## Circuit A



## Mechanical



Recommended PCB Layout (Component Side)  
 \* Parts numbers without LED's omit pins 9 through 12

Dimensions are in inches [mm]



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