

Product Features:

- Gigabit (10/100/1000) Ethernet RJ45
- IEEE802.3ab Compliant
- 350uH min OCL at 8mA DC Bias Across the Full Temp Range
- Compatible with Current and Voltage Drive PHY's
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Short Body Style also Available

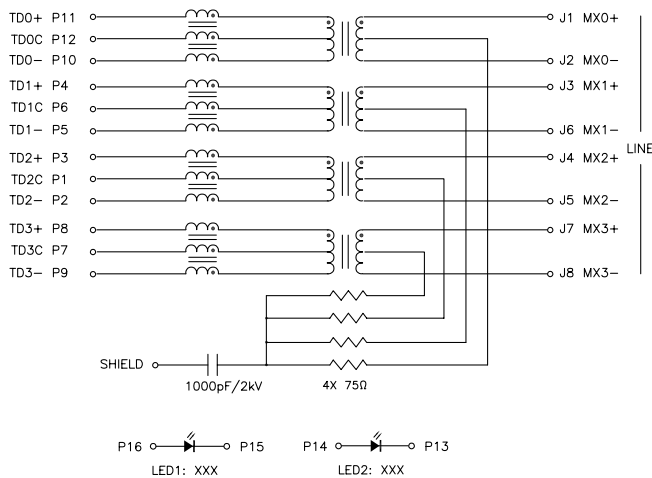
Part Number		Circuit	LED's (L/R)	Return Loss (min)				Insertion Loss (typ)
Standard Temp (0 to 70°C)	Extended Temp (-40 to +85°C)			1-40MHz	60MHz	80MHz	100MHz	
HFJT1-1G16C3RL	HFJT1-E1G16C3RL	A	None	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L11RL	HFJT1-E1G16C3-L11RL	A	G/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L12RL	HFJT1-E1G16C3-L12RL	A	G/Y	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L17RL	HFJT1-E1G16C3-L17RL	A	G/G(O)	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L51RL	HFJT1-E1G16C3-L51RL	A	G(Y)/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L55RL	HFJT1-E1G16C3-L55RL	A	G(Y)/G(Y)	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L71RL	HFJT1-E1G16C3-L71RL	A	G(O)/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G16C3-L72RL	HFJT1-E1G16C3-L72RL	A	G(O)/Y	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3RL	HFJT1-E1G20C3RL	B	None	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L11RL	HFJT1-E1G20C3-L11RL	B	G/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L12RL	HFJT1-E1G20C3-L12RL	B	G/Y	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L17RL	HFJT1-E1G20C3-L17RL	B	G/G(O)	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L51RL	HFJT1-E1G20C3-L51RL	B	G(Y)/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L55RL	HFJT1-E1G20C3-L55RL	B	G(Y)/G(Y)	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L71RL	HFJT1-E1G20C3-L71RL	B	G(O)/G	-18dB	-14dB	-12dB	-10dB	-1.1dB
HFJT1-1G20C3-L72RL	HFJT1-E1G20C3-L72RL	B	G(O)/Y	-18dB	-14dB	-12dB	-10dB	-1.1dB

Notes:

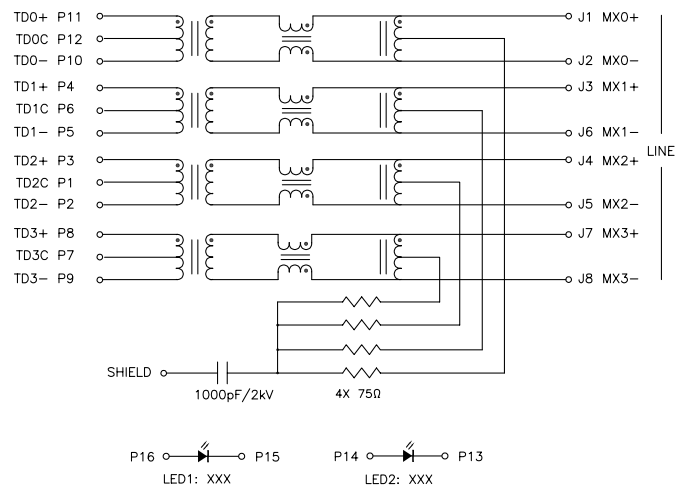
1. LED Key : G = Green, Y = Yellow, O = Orange, () = Bi-Color
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Unshielded and without ground shield tabs available
4. Part specific datasheets available

HALO "Long Body" Gigabit Ethernet Family of FastJacks

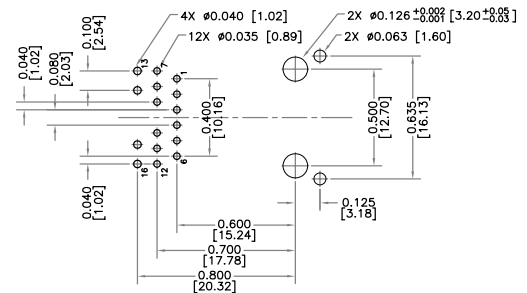
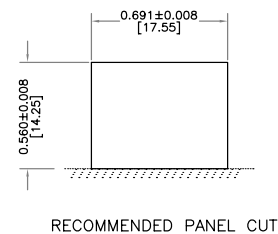
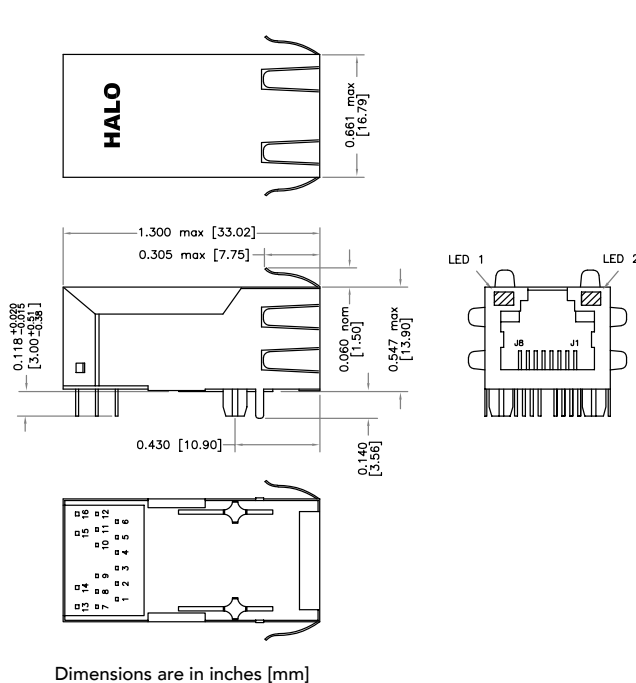
Circuit A



Circuit B



Mechanical



Recommended PCB Layout (Component Side)
* Parts numbers without LED's omit pins 13 through 16



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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.