FastJack™

1x1 Tab-Down Gigabit Short Body RJ45

HALO ELECTRONICS, INC.

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
- Proprietary Robust Contact Design

Part Number				Return Loss (min)				
Standard Temp (0 to 70°C)	Extended Temp (-40 to +85°C)	Circuit	LED's (L/R)	1-40MHz	60MHz	80MHz	100MHz	PHY Drive
HFJ11-1G01ERL	HFJ11-E1G01ERL	A	None	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G01E-L11RL	HFJ11-E1G01E-L11RL	A	G/G	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G01E-L12RL	HFJ11-E1G01E-L12RL	A	G/Y	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G06ERL	HFJ11-E1G06ERL	B	None	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G06E-L11RL	HFJ11-E1G06E-L11RL	B	G/G	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G06E-L12RL	HFJ11-E1G06E-L12RL	B	G/Y	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G11ERL*	HFJ11-E1G11ERL*	C	None	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G11E-L11RL*	HFJ11-E1G11E-L11RL*	C	G/G	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G11E-L12RL*	HFJ11-E1G11E-L12RL*	C	G/Y	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G16ERL*	HFJ11-E1G16ERL*	D	None	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G16E-L11RL*	HFJ11-E1G16E-L11RL*	D	G/G	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G16E-L12RL*	HFJ11-E1G16E-L12RL*	D	G/Y	-18dB	-14dB	-12dB	-10dB	Current
HFJ11-1G41ERL*	HFJ11-E1G41ERL*	E	None	-18dB	-14dB	-12dB	-10dB	Voltage
HFJ11-1G41E-L11RL*	HFJ11-E1G41E-L11RL*	E	G/G	-18dB	-14dB	-12dB	-10dB	Voltage
HFJ11-1G41E-L12RL*	HFJ11-E1G41E-L12RL*	E	G/Y	-18dB	-14dB	-12dB	-10dB	Voltage
HFJ11-1G46ERL*	HFJ11-E1G46ERL*	F	None	-18dB	-14dB	-12dB	-10dB	Voltage
HFJ11-1G46E-L11RL*	HFJ11-E1G46E-L11RL*	F	G/G	-18dB	-14dB	-12dB	-10dB	Voltage
HFJ11-1G46E-L12RL*	HFJ11-E1G46E-L12RL*	F	G/Y	-18dB	-14dB	-12dB	-10dB	Voltage

*Recommended for New Designs

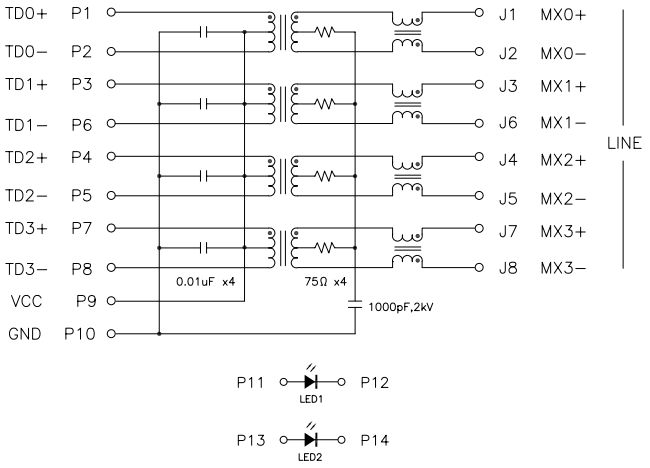
Notes:

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. Tab-up versions avaliable

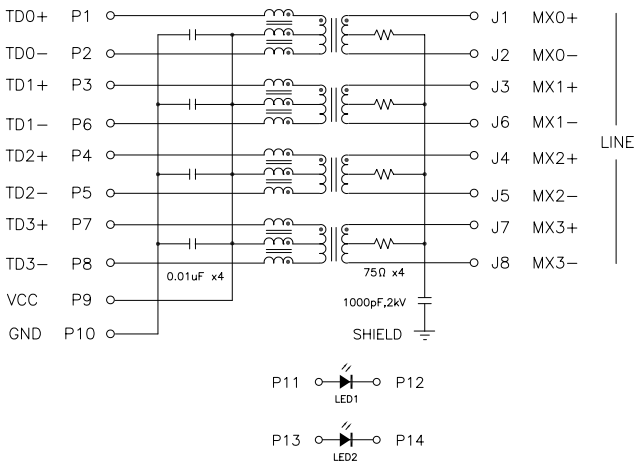
For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

HALO Gigabit Ethernet Family of FastJacks

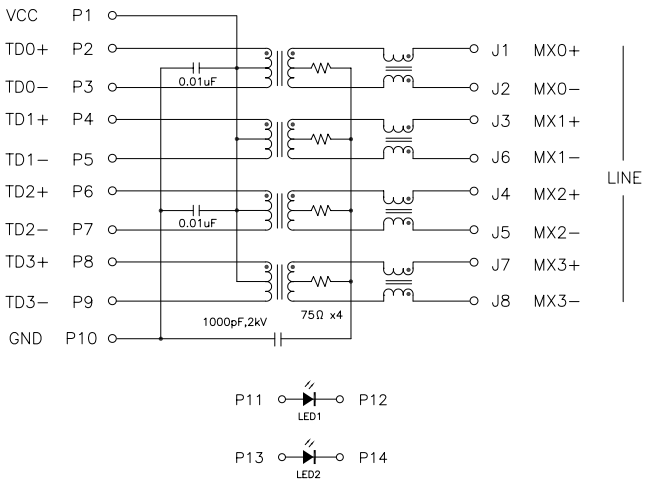
Circuit A



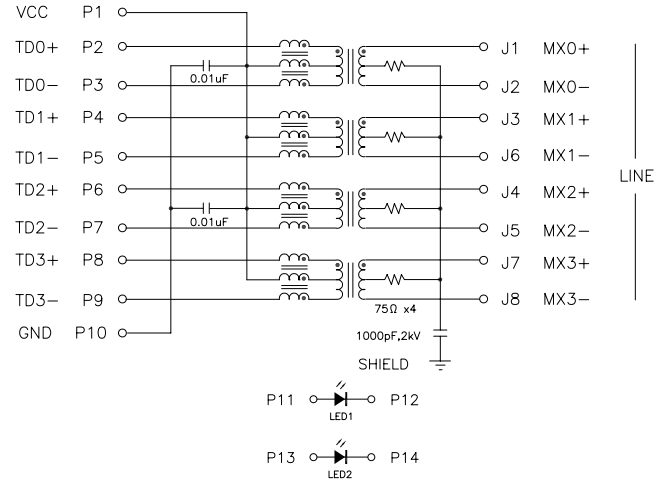
Circuit B



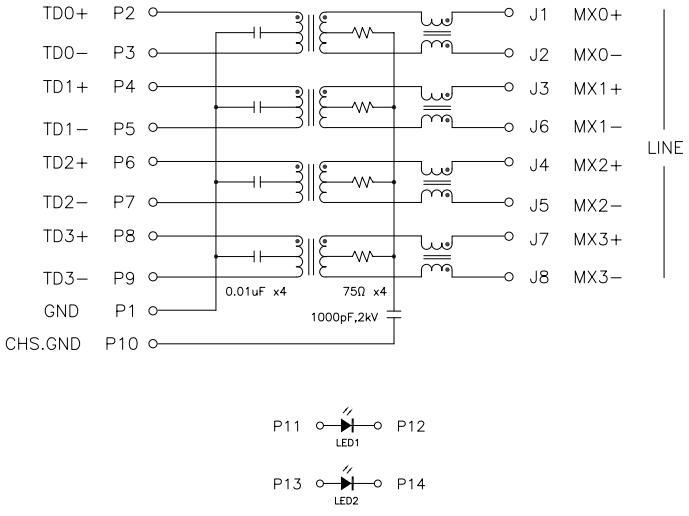
Circuit C



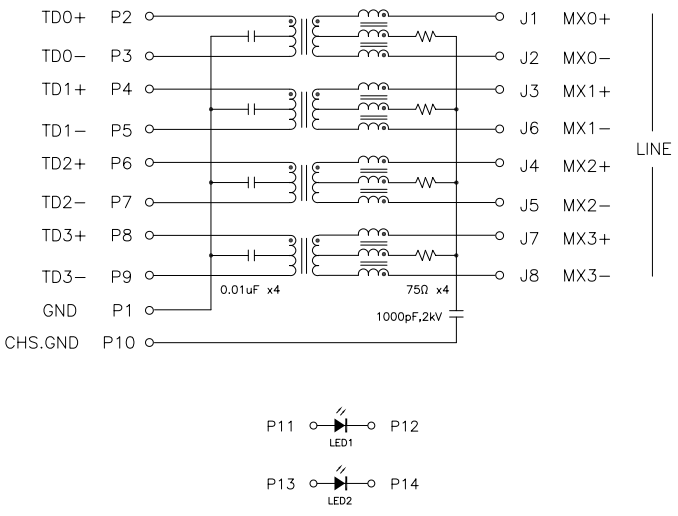
Circuit D



Circuit E



Circuit F



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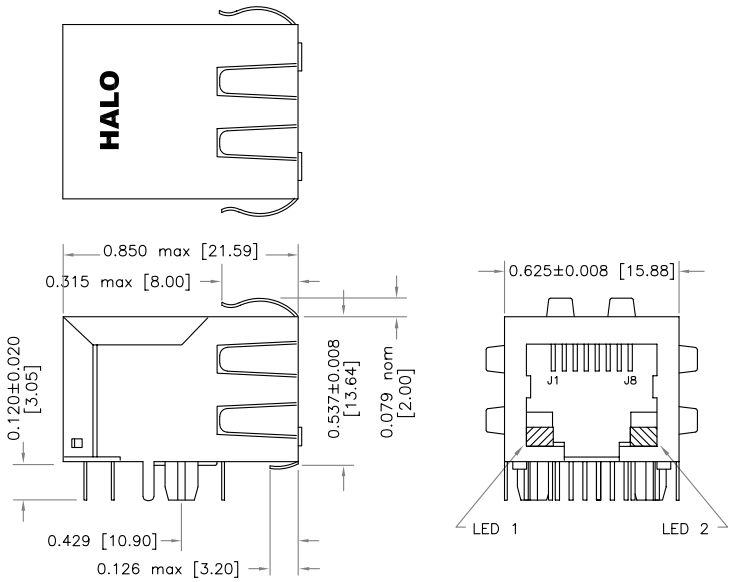
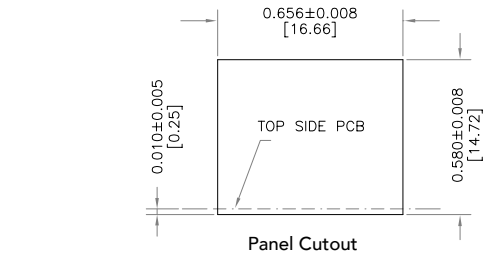
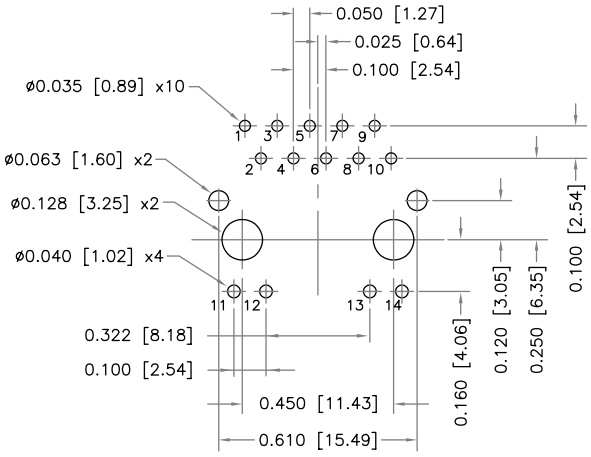
Mechanical



Dimensions are in inches [mm]



Panel Cutout



Recommended PCB Layout (Component Side)
* Parts numbers without LED's omit pins 11 through 14

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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.

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