



Product Features:

- 10BASE-T Ethernet RJ45
- IEEE802.3i Compliant
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Proprietary Robust Contact Design
- 30μ" Gold Plating on Contacts

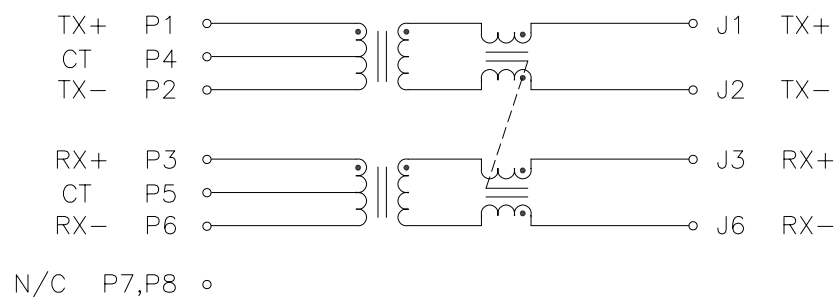
Part Number (0 to 70°C)	Footprint	LED's (L/R)	Turns Ratio (± 3%) TX RX	Return Loss 5-10MHz	OCL (100kHz, 0.1Vrms) TX RX	Crosstalk (0.1-10MHz)
HFJ11-1041HRL	A	None	1CT:2.5 1CT:1	-15dB	35μH 200μH	-40dB
HFJ11-1041ERL ¹	B	None	1CT:2.5 1CT:1	-15dB	35μH 200μH	-40dB
HFJ11-1041E-L11RL	C	G/G	1CT:2.5 1CT:1	-15dB	35μH 200μH	-40dB
HFJ11-1041E-L12RL	C	G/Y	1CT:2.5 1CT:1	-15dB	35μH 200μH	-40dB
HFJ11-1041E-L21RL	C	Y/G	1CT:2.5 1CT:1	-15dB	35μH 200μH	-40dB
HFJ11-1043HRL	A	None	1CT:1.41 1CT:1	-15dB	140μH 140μH	-40dB
HFJ11-1043ERL ¹	B	None	1CT:1.41 1CT:1	-15dB	140μH 140μH	-40dB
HFJ11-1043E-L11RL	C	G/G	1CT:1.41 1CT:1	-15dB	140μH 140μH	-40dB
HFJ11-1043E-L12RL	C	G/Y	1CT:1.41 1CT:1	-15dB	140μH 140μH	-40dB
HFJ11-1043E-L21RL	C	Y/G	1CT:1.41 1CT:1	-15dB	140μH 140μH	-40dB
HFJ11-1075HRL	A	None	1CT:2 1CT:1	-15dB	25μH 140μH	-40dB
HFJ11-1075ERL ¹	B	None	1CT:2 1CT:1	-15dB	25μH 140μH	-40dB
HFJ11-1075E-L11RL	C	G/G	1CT:2 1CT:1	-15dB	25μH 140μH	-40dB
HFJ11-1075E-L12RL	C	G/Y	1CT:2 1CT:1	-15dB	25μH 140μH	-40dB
HFJ11-1075E-L21RL	C	Y/G	1CT:2 1CT:1	-15dB	25μH 140μH	-40dB
HFJ11-1081HRL	A	None	1CT:1 1CT:1	-15dB	100μH 100μH	-40dB
HFJ11-1081ERL ¹	B	None	1CT:1 1CT:1	-15dB	100μH 100μH	-40dB
HFJ11-1081E-L11RL	C	G/G	1CT:1 1CT:1	-15dB	100μH 100μH	-40dB
HFJ11-1081E-L12RL	C	G/Y	1CT:1 1CT:1	-15dB	100μH 100μH	-40dB
HFJ11-1081E-L21RL	C	Y/G	1CT:1 1CT:1	-15dB	100μH 100μH	-40dB

Notes:

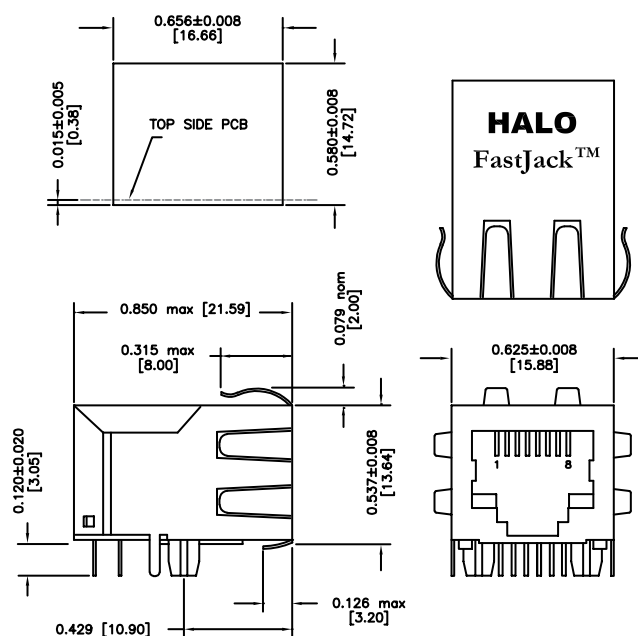
1. Not recommended for new designs.
2. LED Key : G = Green, Y = Yellow
3. Other LED colors, bi-colors, polarities, and current limiting versions available
4. Tab-Up and extended temperature available
5. Lightning strike and power line cross circuit protection versions available
6. 1x2 and 1x4 ganged Fastjacks available
7. Additional turns ratios available

HALO 10BASE-T Ethernet Family of FastJacks

Circuit



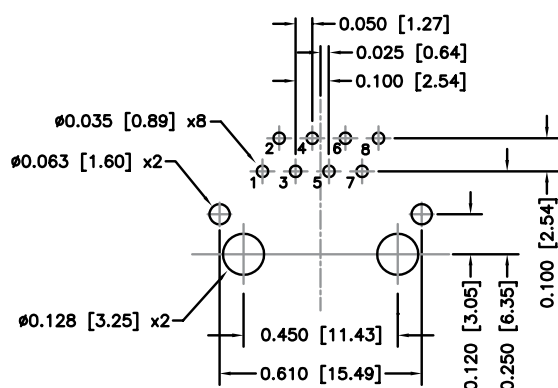
Mechanical



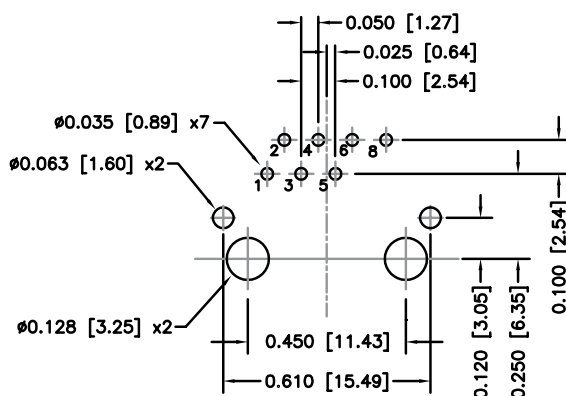
Dimensions are in inches [mm]

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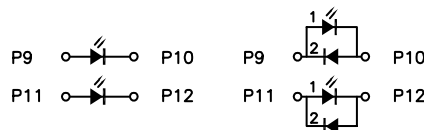
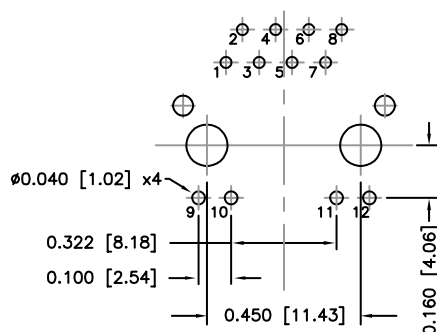
Footprint A



Footprint B



Footprint C



Recommended PCB Layout (Component Side)

Dimensions are in inches [mm]



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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.