



### Product Features:

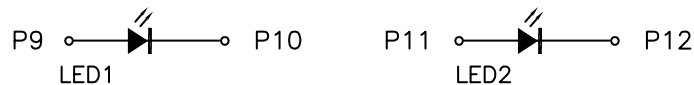
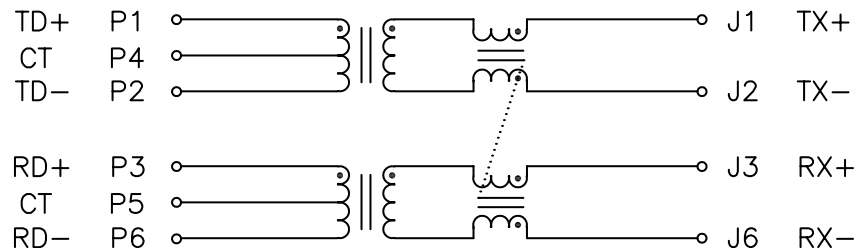
- 10BASE-T Ethernet RJ45
- IEEE802.3i Compliant
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Proprietary Robust Contact Design
- 30µ" Gold Plating (min) on Contacts

Part Number (0 to 70°C)	Circuit	LED's (L/R)	Turns Ratio (± 3%)		Return Loss 5-10MHz	OCL (100kHz, 0.1Vrms)		Crosstalk (0.1-10MHz)
			TX	RX		TX	RX	
HFJV1-1041RL	A	None	1CT:2.5	1CT:1	-15dB	35µH	200µH	-40dB
HFJV1-1041-L11RL	A	G/G	1CT:2.5	1CT:1	-15dB	35µH	200µH	-40dB
HFJV1-1041-L12RL	A	G/Y	1CT:2.5	1CT:1	-15dB	35µH	200µH	-40dB
HFJV1-1041-L21RL	A	Y/G	1CT:2.5	1CT:1	-15dB	35µH	200µH	-40dB
HFJV1-1043RL	A	None	1CT:1.41	1CT:1	-15dB	140µH	140µH	-40dB
HFJV1-1043-L11RL	A	G/G	1CT:1.41	1CT:1	-15dB	140µH	140µH	-40dB
HFJV1-1043-L12RL	A	G/Y	1CT:1.41	1CT:1	-15dB	140µH	140µH	-40dB
HFJV1-1043-L21RL	A	Y/G	1CT:1.41	1CT:1	-15dB	140µH	140µH	-40dB
HFJV1-1075RL	A	None	1CT:2	1CT:1	-15dB	25µH	140µH	-40dB
HFJV1-1075-L11RL	A	G/G	1CT:2	1CT:1	-15dB	25µH	140µH	-40dB
HFJV1-1075-L12RL	A	G/Y	1CT:2	1CT:1	-15dB	25µH	140µH	-40dB
HFJV1-1075-L21RL	A	Y/G	1CT:2	1CT:1	-15dB	25µH	140µH	-40dB
HFJV1-1081RL	A	None	1CT:1	1CT:1	-17dB	100µH	100µH	-40dB
HFJV1-1081-L11RL	A	G/G	1CT:1	1CT:1	-17dB	100µH	100µH	-40dB
HFJV1-1081-L12RL	A	G/Y	1CT:1	1CT:1	-17dB	100µH	100µH	-40dB
HFJV1-1081-L21RL	A	Y/G	1CT:1	1CT:1	-17dB	100µH	100µH	-40dB

### Notes:

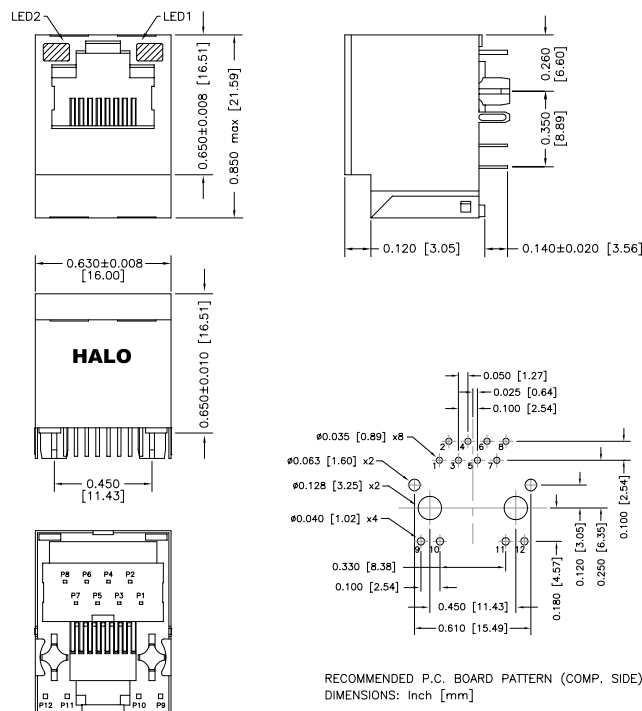
1. LED Key : G = Green, Y = Yellow
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Unshielded and without ground shield tabs available
4. Part specific datasheets available
5. Lightning strike and power line cross circuit protection versions available
6. Extended temperature available
7. Additional turns ratios available

## Circuit A



LED FORWARD VOLTAGE/CURRENT: 2.1V/10mA typ

## Mechanical



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)  
DIMENSIONS: Inch [mm]

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



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