FastJack™ - 10G Vertical RJ45

1x1 Vertical 10G Integrated RJ45
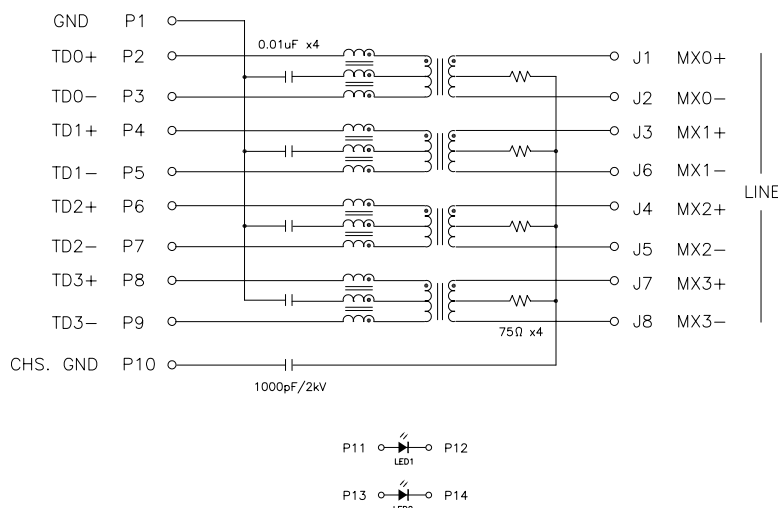
HALO ELECTRONICS, INC.

Product Features:

- 10G Ethernet RJ45
- IEEE802.3an Compliant
- Compatible with Voltage Drive PHYs
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Hard Gold on Contacts
- UL60950 and UL62368 Recognized

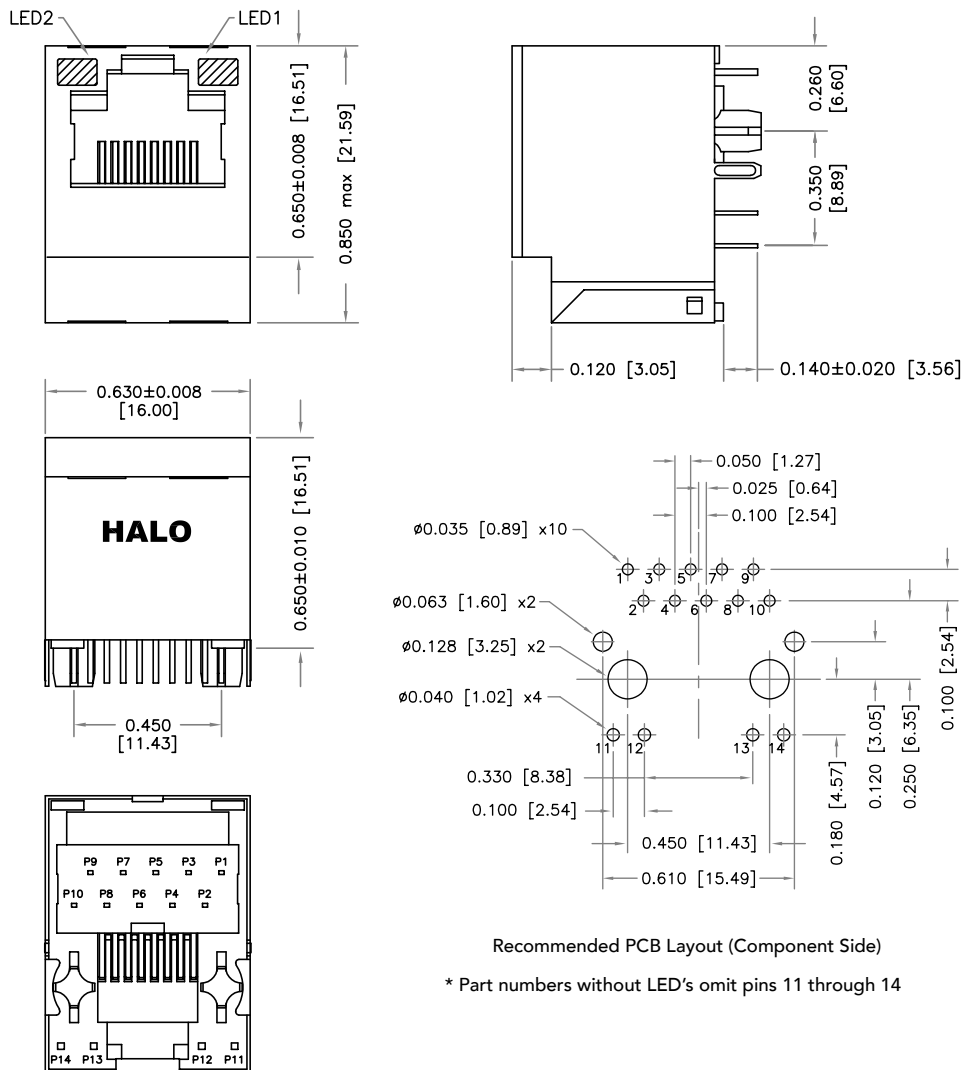| Part Number				Return Loss (MHz)			
Standard Temp (0 to 70°C)	Extended Temp (-40 to +85°C)	Data Rate	LED's (L/R)	1-10	10-40	40-400	400-500
HFJV1-10G1RL	HFJV1-E10G1RL	10G	None	-13dB	-10dB	-7dB	-5dB
HFJV1-10G1-L11RL	HFJV1-E10G1-L11RL	10G	G/G	-13dB	-10dB	-7dB	-5dB
HFJV1-10G1-L12RL	HFJV1-E10G1-L12RL	10G	G/Y	-13dB	-10dB	-7dB	-5dB
HFJV1-10G1-L21RL	HFJV1-E10G1-L21RL	10G	Y/G	-13dB	-10dB	-7dB	-5dB

Notes:
1. LED Key : G = Green, Y = Yellow
2. Other single LED colors and bi-colors available
3. Part specific datasheets available upon reqeust
4. Footprint interchangeable with other HALO Vertical Gigabit FastJacks

Circuit Diagram

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

LED2   LED1

0.650±0.008 [16.51]
0.850 max [21.59]

0.260 [6.60]
0.350 [8.89]

0.120 [3.05]
0.140±0.020 [3.56]

0.630±0.008 [16.00]

0.650±0.010 [16.51]

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0.450 [11.43]

P9 P7 P5 P3 P1
P10 P8 P6 P4 P2

P14 P13   P12 P11

0.050 [1.27]
0.025 [0.64]
0.100 [2.54]

ø0.035 [0.89] x10

1 3 5 7 9
2 4 6 8 10

ø0.063 [1.60] x2

ø0.128 [3.25] x2

ø0.040 [1.02] x4

11 12   13 14

0.330 [8.38]
0.100 [2.54]

0.450 [11.43]
0.610 [15.49]

0.180 [4.57]
0.120 [3.05]
0.250 [6.35]
0.100 [2.54]

Recommended PCB Layout (Component Side)

* Part numbers without LED's omit pins 11 through 14

Dimensions are in inch [mm]

HALO
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