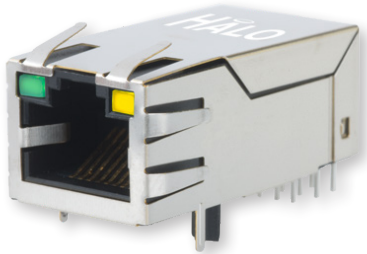# FastJack™ - 10Gigabit RJ45

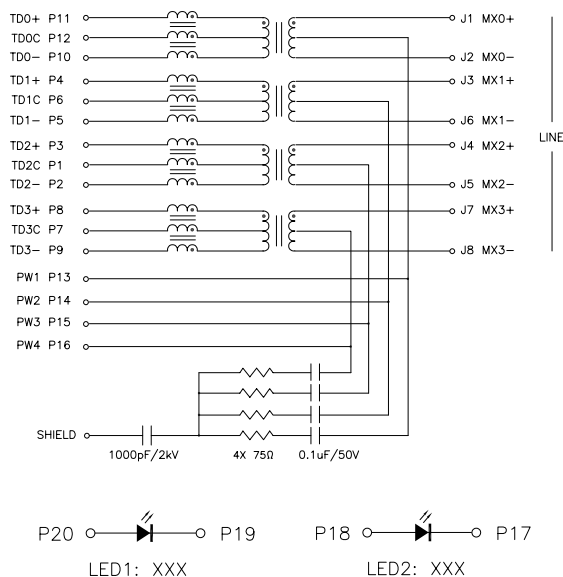*1x1 Tab-Up 10G Integrated RJ45*

Product Features:

- 10G Ethernet RJ45
- IEEE802.3an/af/at/bt Compliant
- Compatible with Current and Voltage Drive PHY's
- 100% Compliance Testing
- 1500Vrms Hi-Pot
- Hard Gold on Contacts
- Proprietary Robust Contact Design
- UL60950 and UL62368 Recognized

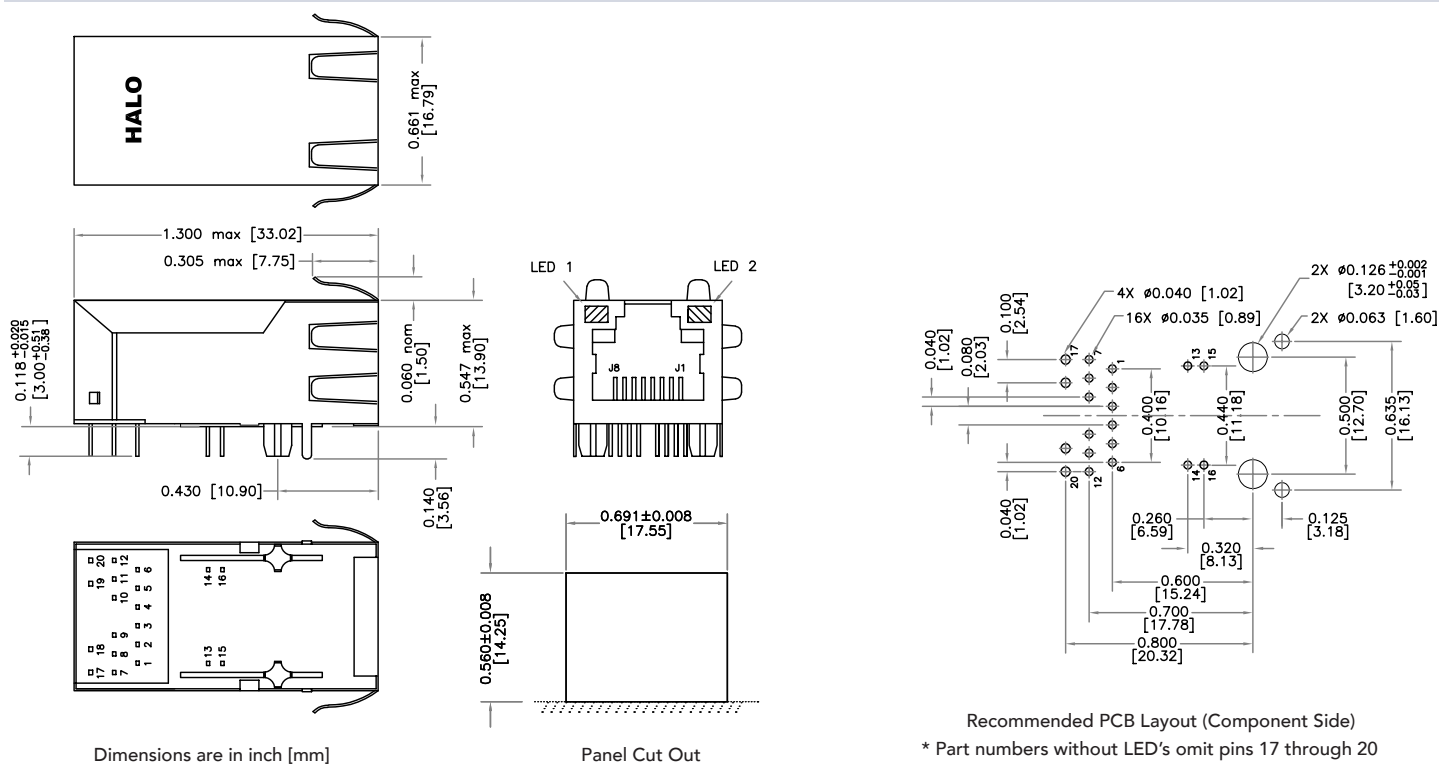| Part Number		Data Rate	LED's (L/R)	PoE+	4PPoE	Current Per Pair
Standard Temp (0 to 70°C)	Extended Temp (-40 to +85°C)					
HFJT1-10G06C3RL	HFJT1-E10G06C3RL	10G	None	-	-	-
HFJT1-10G06C3-L11RL	HFJT1-E10G06C3-L11RL	10G	G/G	-	-	-
HFJT1-10G06C3-L12RL	HFJT1-E10G06C3-L12RL	10G	G/Y	-	-	-
HFJT1-10G06C3-L21RL	HFJT1-E10G06C3-L21RL	10G	Y/G	-	-	-
HFJT1-10GHPRL	HFJT1-10GHPERL	10G	None	✓	✓	600mA
HFJT1-10GHP-L11RL	HFJT1-10GHPE-L11RL	10G	G/G	✓	✓	600mA
HFJT1-10GHP-L12RL	HFJT1-10GHPE-L12RL	10G	G/Y	✓	✓	600mA
HFJT1-10GHP-L21RL	HFJT1-10GHPE-L21RL	10G	Y/G	✓	✓	600mA
HFJT1-10GH4PRL	HFJT1-10GH4PERL	10G	None	✓	✓	1A
HFJT1-10GH4P-L11RL	HFJT1-10GH4PE-L11RL	10G	G/G	✓	✓	1A
HFJT1-10GH4P-L12RL	HFJT1-10GH4PE-L12RL	10G	G/Y	✓	✓	1A
HFJT1-10GH4P-L21RL	HFJT1-10GH4PE-L21RL	10G	Y/G	✓	✓	1A

Notes:
1. LED Key : G = Green, Y = Yellow
2. Other LED colors, bi-colors, polarities, and current limiting versions available
3. Part specific datasheets available upon reqeust
4. Footprint interchangeable with other HALO Gigabit and 2.5/5G Tab-Up FastJacks

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

Circuit Diagram

TD0+	P11	J1 MX0+
TD0C	P12	
TD0−	P10	J2 MX0−
TD1+	P4	J3 MX1+
TD1C	P6	
TD1−	P5	J6 MX1−
TD2+	P3	J4 MX2+
TD2C	P1	
TD2−	P2	J5 MX2−
TD3+	P8	J7 MX3+
TD3C	P7	
TD3−	P9	J8 MX3−
PW1	P13	
PW2	P14	
PW3	P15	
PW4	P16	

LINE

SHIELD

1000pF/2kV   4X 75Ω   0.1uF/50V

P20 ○ ─▷├─ ○ P19   P18 ○ ─▷├─ ○ P17

LED1: XXX   LED2: XXX

Mechanical

0.661 max [16.79]

1.300 max [33.02]
0.305 max [7.75]
0.118 +0.020/−0.015 [3.00 +0.51/−0.38]
0.060 nom [1.50]
0.547 max [13.90]
0.430 [10.90]
0.140 [3.56]

LED 1   LED 2
J8   J1

0.691±0.008 [17.55]
0.560±0.008 [14.25]

Dimensions are in inch [mm]

Panel Cut Out

2X ∅0.126 +0.002/−0.001 [3.20 +0.05/−0.03]
4X ∅0.040 [1.02]
16X ∅0.035 [0.89]
2X ∅0.063 [1.60]
0.100 [2.54]
0.080 [2.03]
0.040 [1.02]
0.400 [10.16]
0.440 [11.18]
0.500 [12.70]
0.635 [16.13]
0.040 [1.02]
0.260 [6.59]
0.320 [8.13]
0.125 [3.18]
0.600 [15.24]
0.700 [17.78]
0.800 [20.32]

Recommended PCB Layout (Component Side)
* Part numbers without LED's omit pins 17 through 20

HALO
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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.