



P/N: NU1S516-434 LF

Feature



- RJ-45 connector integrated with X'FMR / Impedance Resistor/High Voltage Capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduce EMI radiation improve EMI performance.
- Design for 100 base transmission over UTP-5 CABLE.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +85 .

Code	1	3	4	Empty
LED Color	Red	Yellow	Green	No LED

Electrical Specifications @ 25° C

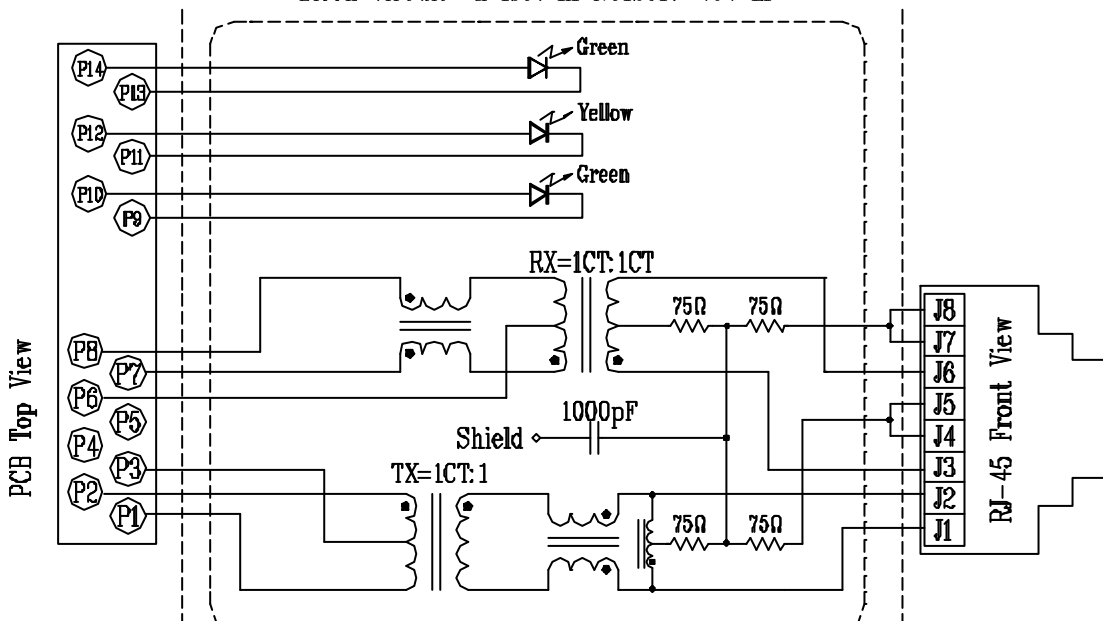
Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100 KHz/0.1V with 8mA DC Bias	C _{www} (pF Max)	L.L (uH Max)	Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX				0.3-100MHz	
NU1S516-434 LF	1CT:1	1CT:1CT	350	28	0.4	-1.15	1500

Continue

Part Number	Return Loss (dB Min)					Cross talk (dB Min)			CMR (dB Min)		
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz
NU1S516-434 LF	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20

Schematic

Block Circuit x 1set in NU1S516-434 LF





Technical drawings of the NU1S516-434 LF package showing dimensions in millimeters (mm) and inches (in).

Top View:

- Overall width: 15.90 [0.626]
- Pin pitch (between pins 1 and 8): 2.54 [0.100]
- Pin 1 location: 11.43 [0.450] from the left edge.
- Pin 8 location: 2.54 [0.100] from the right edge.

Bottom View:

- Overall width: 15.90 [0.626]
- Pin pitch (between pins 1 and 8): 2.54 [0.100]
- Pin 1 location: 11.43 [0.450] from the left edge.
- Pin 8 location: 2.54 [0.100] from the right edge.

Side View:

- Overall height: 10.80 [0.425]
- Pin height: 2.62 [0.103]
- Pin spacing: 2.29 [0.090]

Front View:

- Overall width: 26.20 [1.031]
- Overall height: 13.65 [0.537]
- Pin pitch (between pins 1 and 8): 2.54 [0.100]
- Pin 1 location: 11.43 [0.450] from the left edge.
- Pin 8 location: 2.54 [0.100] from the right edge.
- Pin height: 2.62 [0.103]
- Pin spacing: 2.29 [0.090]

Back View:

- Overall width: 14.50 [0.571]
- Overall height: 11.00 [0.433]
- Pin pitch (between pins 1 and 8): 2.54 [0.100]
- Pin 1 location: 11.43 [0.450] from the left edge.
- Pin 8 location: 2.54 [0.100] from the right edge.
- Pin height: 2.62 [0.103]
- Pin spacing: 2.29 [0.090]

1. Plastic Material : Thermoplastic (UL 94V-0), Black Housing.
2. Metal Shield : Brass, 20u inches thick Nickel
3. Spring Wire : Phosphor bronze with selective gold plating
4. Solder Pin : 0.4x0.4mm, Phosphor bronze with solder Plated
5. Durability : 750 Mating cycles Min.

Technical drawing of a mechanical part with dimensions in mm and inches. The drawing shows a cross-section of a part with various holes and features. Dimensions are provided in mm [inches].

Dimensions (mm [inches]):

- 4.91 [0.193]
- 2.29 [0.090]
- 6- $\varnothing$ 1.00 [$\varnothing$ 0.039]
- 2- $\varnothing$ 1.60 [$\varnothing$ 0.063]
- 8- $\varnothing$ 0.90 [$\varnothing$ 0.035]
- 2- $\varnothing$ 3.10 [$\varnothing$ 0.122]
- 15.63 $\pm$ 0.25 [0.615 $\pm$ 0.01]
- 11.43 [0.450]
- 1.27 [0.050]
- 8.89 [0.350]
- 2.54 [0.100]
- 1.27 [0.050]
- 1.61 [0.063]
- 3.05 [0.120]
- 6.35 [0.250]
- 6.89 [0.350]
- 11.43 [0.460]
- 13.97 [0.550]

Units: mm [inches]

Tolerances: xx.x0 $\pm$ 0.25 [0.010]

0.xx $\pm$ 0.05 [0.002]

