

RJ45 10/100 BASE-T JACK WITH MAGNETIC MODULE



N5447F SERIES



- 1x1 Tab-UP RJ45 connector with integrated magnetics
- 8 or 6 pin versions available with or without LEDs
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Meets IEEE 802.3 specification
- 350µH minimum OCL with 8mA bias current
- Alternate configurations available upon request
- Operating Temperature: 0°C to +70°C
- RoHS Compliant Product

ELECTRICAL PARAMETERS @ 25°C

Part Number	Turns Ratio		EMI Fingers	LEDs L/R	Insertion Loss (db TYP)	Return Loss (dB TYP) 100Ω ±15Ω				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms)	Schematic	Mechanical Specs
	TX	RX				1-65 MHz	1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz			
N5447F-														@60Hz			
1201-NN	1CT:1	1CT:1	YES	NONE	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	01	A
1202-YG	1CT:1	1CT:1	YES	Y/G	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	02	A
1203-NN	1CT:1	1CT:1	YES	NONE	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	03	A
2204-GY	1CT:1	1CT:1	NO	G/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	04	A
1204-NN	1CT:1	1CT:1	YES	NONE	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	04	A
2205-GY	1CT:1	1CT:1	NO	G/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	05	A
1205-GY	1CT:1	1CT:1	YES	G/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	05	A
2206-YG	1CT:1	1CT:1	NO	Y/G	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	06	A
1206-YG	1CT:1	1CT:1	YES	Y/G	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	06	A
1206-GG	1CT:1	1CT:1	YES	G/G	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	06	A
1207-NN	1CT:1	1CT:1	YES	NONE	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	07	A
2207-GY	1CT:1	1CT:1	NO	G/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	07	A
1207-YG	1CT:1	1CT:1	YES	Y/G	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	07	A
1211-BY	1CT:1	1CT:1	YES	G_O/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	11	B
1212-BY	1CT:1	1CT:1	YES	G_O/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	12	B
1213-BY	1CT:1	1CT:1	YES	G_O/Y	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	13	B

PART NUMBERING

N5447F - **1** **2** **01** - **XX**
 A B C D E

A: MPS SERIES NUMBER

B: EMI FINGERS (1 = YES, 2 = NO)

C: GOLD PLATING (1=3u", 2=6u", 3=15u", 4=30u", 5=50u")

D: SCHEMATIC

E: LED (LEFT/RIGHT)

(G=GREEN, Y=YELLOW, N=NONE, B=GREEN/ORANGE BI-COLOR)

Product performance is limited to specified parameters. Data is subject to change without prior notice.

Tel: 310-325-1043
Fax: 310-325-1044

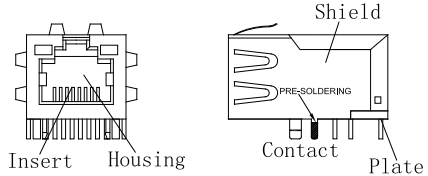
www.mpsind.com
sales@mpsind.com

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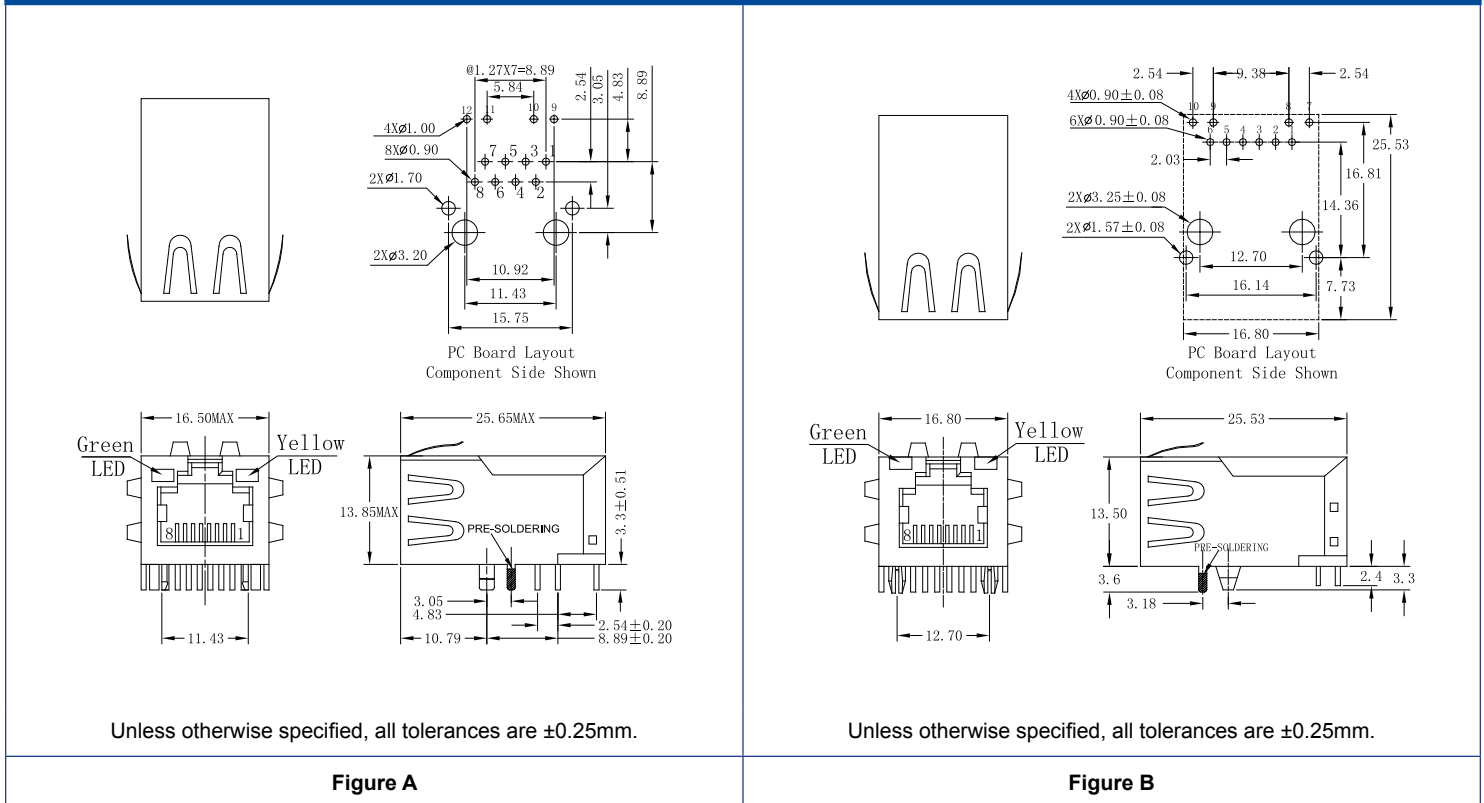


N5447F SERIES

MATERIAL SPECIFICATION

Housing	Insert	Contact	Shield	Plate (if applicable)
Nylon GF (Fr50) UL94V-0 Standard color: black	Phosphor Bronze C5210 EH Plating 1: Nickel Plating 2: 100% Sn Plating 3: Gold (3u" - 50u")	Phosphor Bronze C5191 Plating 1: Nickel Plating 2: 100% Sn	Brass C2680 Plating: Nickel	PBT GF UL94V-0
Operating Life (MIN)	Storage Temperature	Operating Temperature		
750 Insertions	-40°C to +85°C	0°C to +70°C		

DIMENSIONS (mm)



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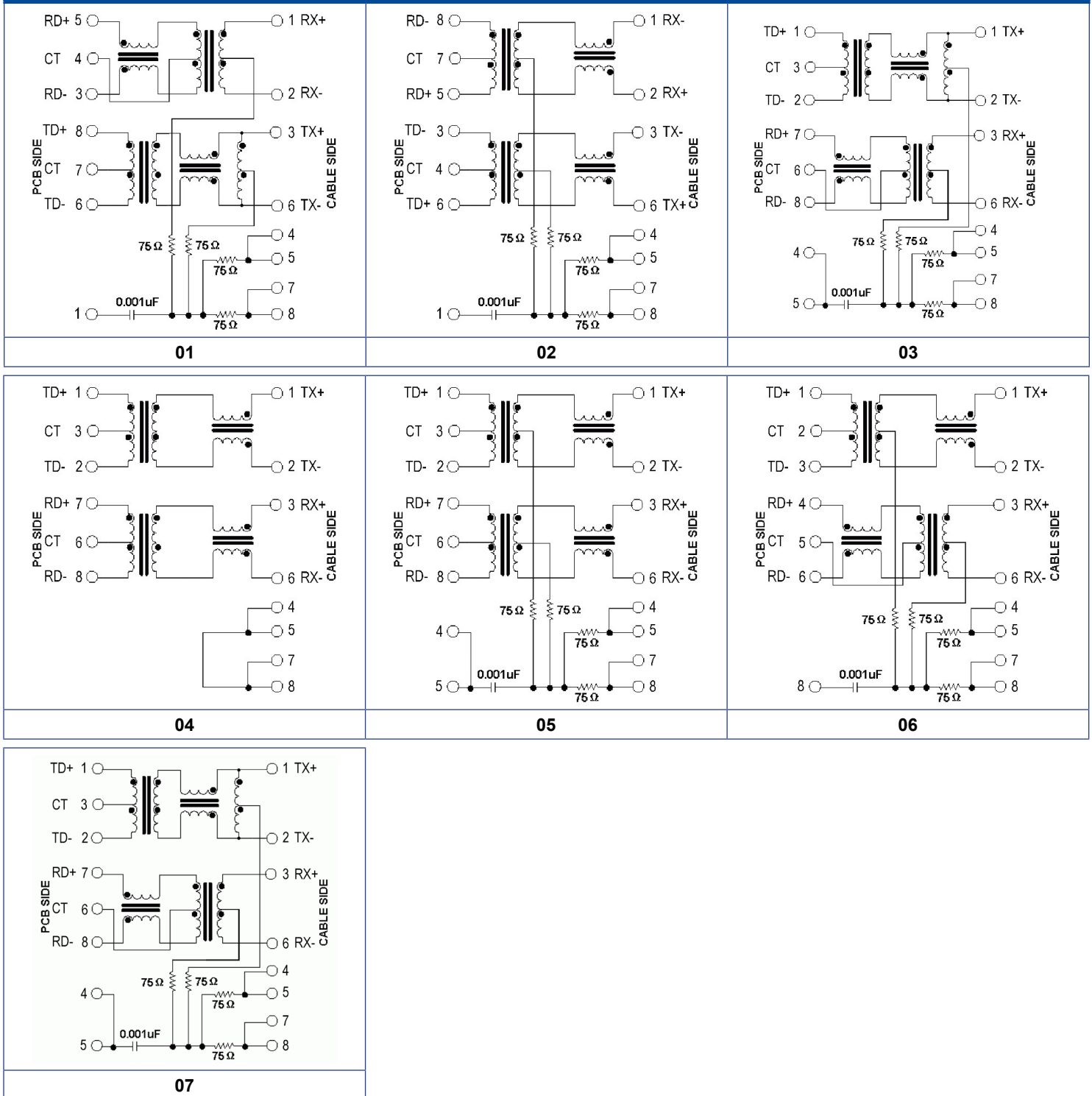
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SCHEMATICS



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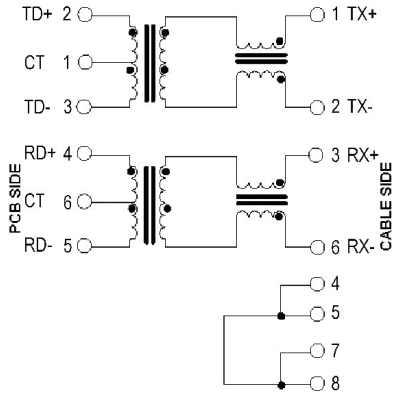
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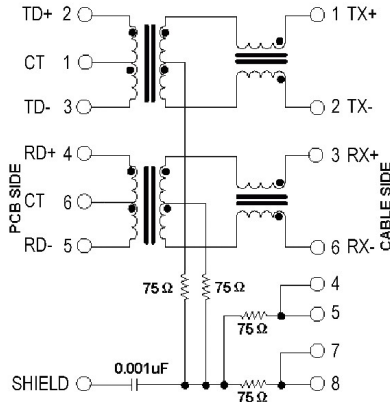


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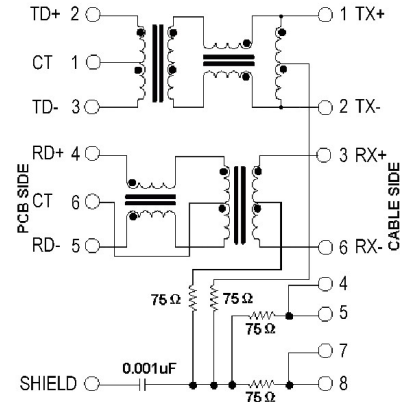
SCHEMATICS



11

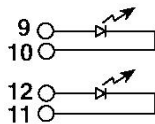


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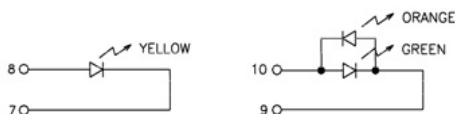
LED SPECIFICATION



Standard LED	Wavelength	Forward* V (MAX)	(TYP)
Yellow	585 nm	2.5 V	2.1 V
Green	565 nm	2.5 V	2.2 V

* With a forward current of 20 mA

LED FOR SCHEMATIC 01-07



Standard LED	Wavelength	Forward* V (MAX)	(TYP)
Yellow	585 nm	2.5 V	2.1 - 2.2 V
Green	565 nm	2.5 V	2.1 - 2.2 V
Orange	610 nm	2.5 V	2.1 - 2.2 V

* With a forward current of 20 mA

LED FOR SCHEMATIC 11-13

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