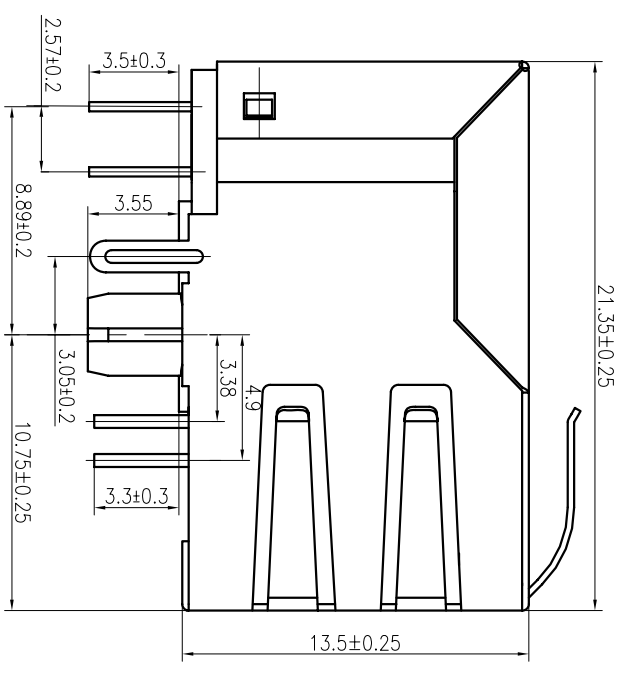
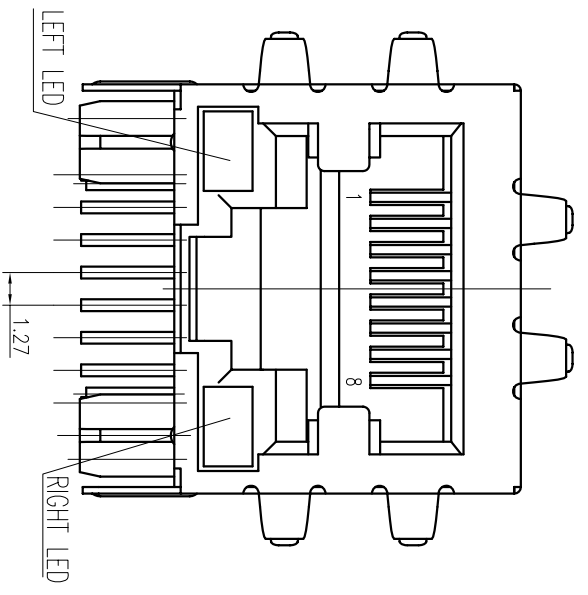


### LED Specification

Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD
Orange	580-610 nm	2.5V	2.1-2.2V	50-100 MCD

- LED intensity/wavelength measured with Photo Research PR-650 Colormeter
- With a forward current of 20 mA, Absolute Maximum Ratings ( $T_a=25^\circ\text{C}$ )

- TOLERANCES UNLESS OTHERWISE SPECIFIED :  
 $0\sim 10\pm 0.15$ ,  $10\sim 20\pm 0.2$ ,  $20\sim 40\pm 0.25$ ,  
 $40\sim 70\pm 0.3$ ,  $\geq 70\pm 0.4$
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.



**东莞市博腾电子科技有限公司**  
 Dongguan BroadTop Electronic Technology Co., Ltd.

FIRST ANGLE PROJECTION	CUSTOMER MODEL NO.
Checked	Approved

Designed

MATERIAL

DESCRIPTION

B50(27-11)FP4-151-A622-B12(1X1 B 双LED EMI)

SCALE

3.5:1

UNIT

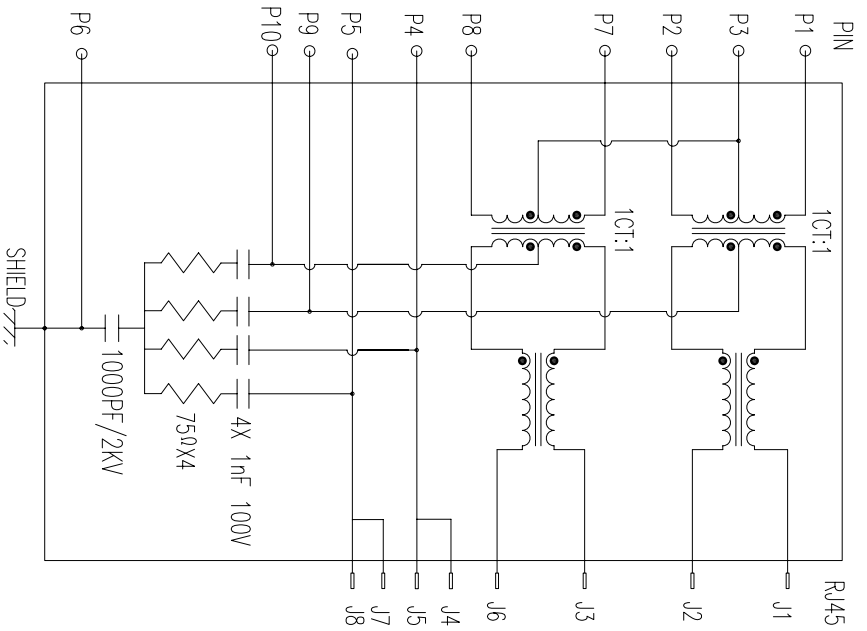
mm

MODEL NO.

REV.

V1.0

A



### ELECTRICAL SPECIFICATIONS AT 25 °C

Insertion Loss dB max	Return Loss dB min	Crosstalk(dB TYP)	Common Mode Rejection (dB TYP)	Hypot(Vrms)					
1-100MHz	1-30MHz	30- 60MHz	60- 100MHz	1-30MHz	30- 60MHz	60- 100MHz	1-50MHz	50-150MHz	1500/0.5mA
-1.0	-18	-16	-12	-40	-35	-30	-30	-20	

### DESCRIPTION

RJ45 With internal Magnetics Connector

Designed to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub Internal magnetics are 100% electrically tested for functionality per IEEE802.3 requirement

**ELECTRICAL:**  
 High performance for maximum EMI suppression  
 350uH minimum OCL with 8mA bias current  
 PoE rating: 15W, 350mA, 48V (For PoE Products only)

**MECHANICAL:**  
 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.  
 INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g  
 6 CONTACTS-----750g 8 CONTACTS-----900g  
 10 CONTACTS-----1050g  
 RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG  
 DURABILITY: 750 MATING CYCLES Mini

**HOUSING:** 1) GLASS FILLED PA66 (UL 94V-0)  
 2) GLASS FILLED PA66/LCP (UL 94V-0)  
 3) GLASS FILLED PBT (UL 94V-0)

**SPRING WIRE:** 1) 0.2-0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKEL  
 2) 0.2-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL

**SHIELDING:** 0.12-0.24mm THICKNESS COPPER ALLOY WITH TIN PLATED

**GOLD PLATING:** 3μ", 6μ", 15μ", 30μ", 50μ"

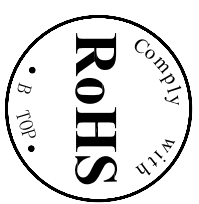
**WORKING TEMPERATURE:** -20°C~70°C

**TOLERANCES UNLESS OTHERWISE SPECIFIED :** 0-10±0.15, 10-20±0.2, 20-40±0.25, 40-70±0.3, >70±0.4

**B N (Z) G X - M - A B C D - E H I**

**"B" with the company code**  
 Series of products: 80-double deck RJ45 connector + transformer series (in standard footprint); 80-double deck RJ45 connector + transformer series (in vertical footprint); 50- Single RJ45 + transformer series; 50-59-58 LED; 86/57/86; ordinary RJ45 series; 10K; that strip line series; 40; conversion said Connectivity 80; Series that D; 91; Automotive connector public block; 92; 100M the head; 94; 100M mother block; 95; 50T Series; 96; MTS for switches  
**Family code (sequence id): 1-99**

**Product definition LOGO:** 1- Press "B"-TOP"; 2- No "B"-TOP"; 3- Other companies LOGO  
**Product definition plastic materials:** 1-PA66, 2-PA66, 3-PA, 4-PA6, 5-PBT, 6-ABS, 7-PA9T, 8-PC  
**Pin definition of the product:** F-Pin after "B"-Pin back; C- No definition of the product  
**Electroplating product definition:** gold-plated terminals (degrees after nickel plated) "1-F μ" : "2-3 μ" : "3-6 μ" : "4-15 μ" : "5-50 μ" : "6-50 μ" : "7-(Ni-50 μ" : "5n-80-120 μ" )"  
**Product shielding definition:** 0 - no shielding shield 1 - without shielding shield shiranet; 2 - shielding a shell shiranet; 3 - a half-shield shell  
**Products luminous definition:** 0 - No LED; 1 - Left Yellow; Right Green; 2 - Left Green; Right Yellow; 3 - Double Green; 4 - Double Yellow; 5 - LED straight for the pin; 6 - A special definition; 7 - Single Lighter LEDs  
**Products out part:** "1-21" "2-202" "4-94" "5-95" "6-20" "8-28" "A-1X" "B-112" "C-114" "D-15  
 "E-18" "F-18" "G-(08&4&5)" "H-08 (P) V1" "I-08 (P) V2" "K-18 (P) V4"



**BTOP**  
 Dongguan BroadTop Electronic Technology Co., Ltd.

FIRST ANGLE PROJECTION	CUSTOMER MODEL NO.	DESIGNED	CHECKED	APPROVED	MATERIAL	SCALE	UNIT	MODEL NO.	REV.
						1.8:1	mm	BT FP4-151	

B

A

B