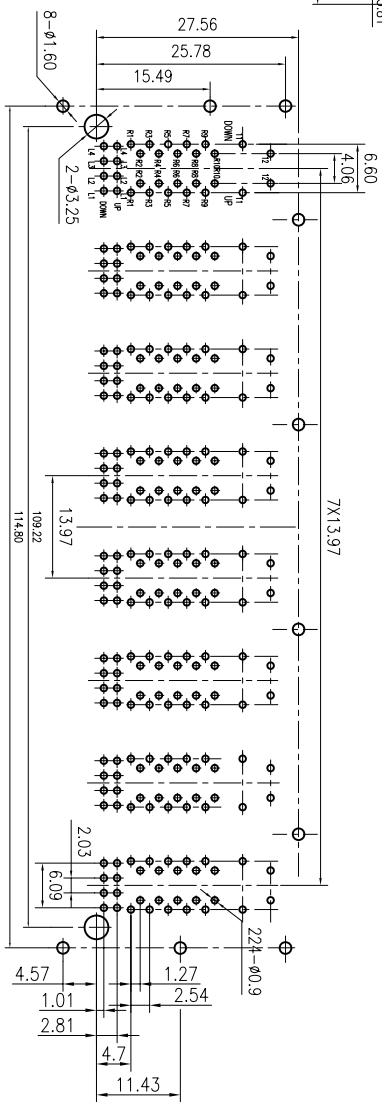
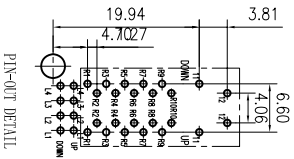
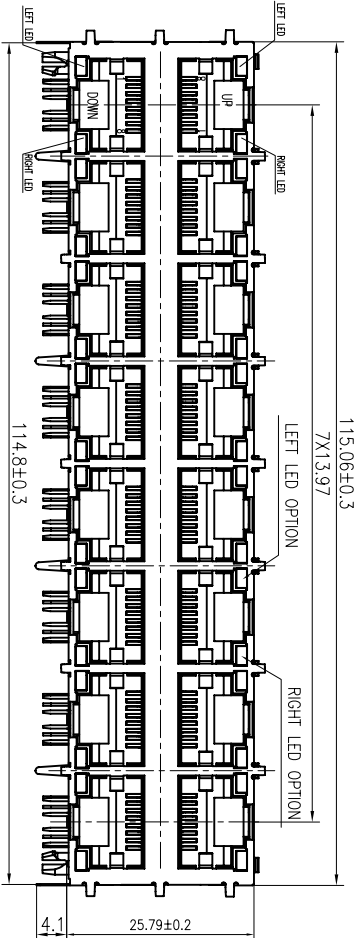
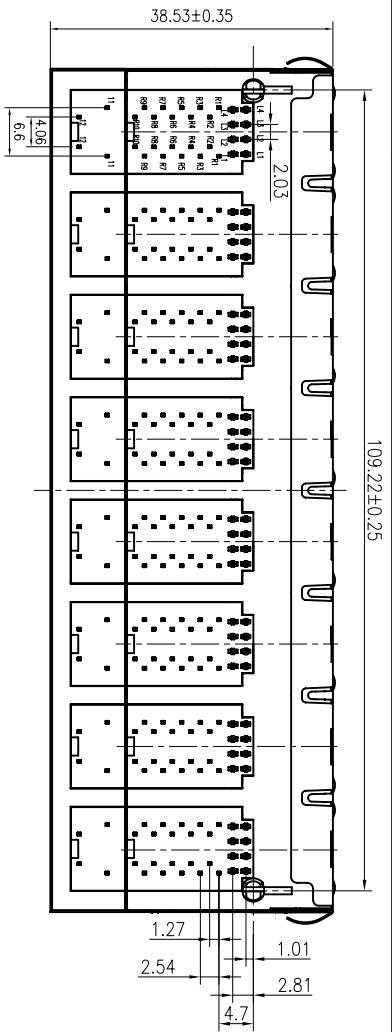
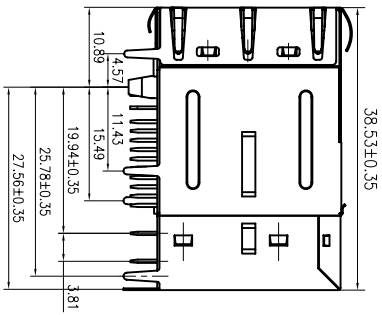


Standard LED Color	LED Wavelength (nm)	Forward Typical (V Typ)	Luminous Intensity (mcd)
Green	560-580 nm	2.5V	21-22V
Yellow	580-610 nm	2.5V	21-22V
Orange	580-610 nm	2.5V	50-100 mcd

LED Specification



1. LED intensity/wavelength measured with Photo Research PR-650 Colormeter
  2. With a forward current of 20 mA Absolute Maximum Ratings (Ta=25°C)
- 1:TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0~10±0.15, 10~20±0.2, 20~40±0.25,  
 40~70±0.3, >70±0.4
- 2:JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

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

FIRST ANGLE PROJECTION		TEL: 0769-38926198	Checked	Designed
		FAX: 0769-38926199	Approved	
		Website: www.dongtontech.com		

MATERIAL	SCALE	UNIT	MODEL NO.
	1:1	mm	

DESCRIPTION: B59(199-06)PP8-19-8123-C12(X)8 POE Y-G LED EMI

REV: V1.0

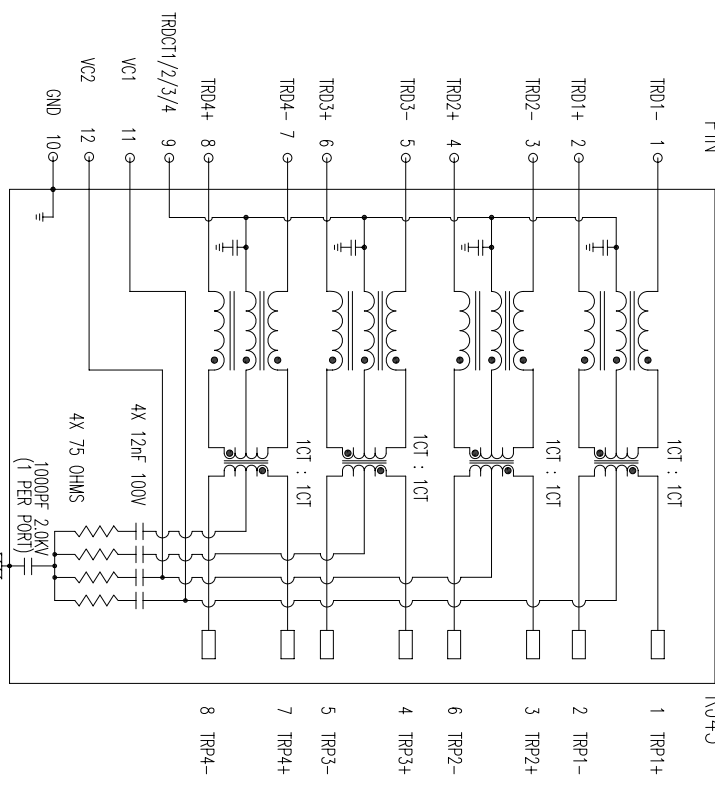
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B

A

A

PIN



### ELECTRICAL SPECIFICATIONS AT 25 °C

Insertion Loss dB max	Return Loss dB min	Crosstalk (db TYP)	Common Mode Rejection (dB TYP)	Hypok(vrms)
1-100MHz	1-30MHz 30-60MHz 60-100MHz	1-30MHz 30-60MHz 60-100MHz 1-100MHz		
-10	-18	-12	-40	-35
			-30	-30
				1500/0.5mA

### 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)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

#### MECHANICAL:

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

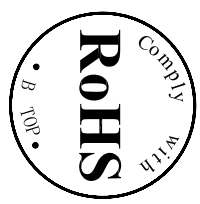
DURABILITY: 750 MATING CYCLES Mini

HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)  
2) GLASS FILLED PA46/LCP (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  
3) GLASS FILLED PBT (UL 94V-0)

#### MATERIAL:

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



"g" with the company code  
Series of products: 60/Double deck RJ45 connector + transformer series(In shielding footprint); 80/Double deck RJ45 connector + transformer series(In vertical footprint); 30/Single RJ45 + transformer series; 52/52/52/56/129/56/52/59; Ordinary RJ45 series; 53; that start line series; 40; Conversion start  
Connectivity: 80; Series that UK 91; Automotive connector public Block; 52; Automotive connector module Block; 55; HM1 the head; 54; 100M module Block; 55; SM1 series; 56; MBS for series

Family code (sequence id) : 1-99  
Type of product code: G: Gigabit RJ45 transformer; P: PoE RJ45 transformer; R: for no transformer RJ45 products; M: Series for non-reversed side

Number of magnetic ring  
The No. of circuit

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

Product definition LOGO: 1 - Press 'B', 'TOP' \* 2 - No 'B - TOP' \* 3 - Other companies LOGO  
Product definition plastic materials: 1-P: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 (depress after nickel plated) 1-F µ" \* 2-3 µ" \* 3-5 µ" \* 4-15 µ" \* 5-30 µ" \* 6-50 µ" \* 7-4N-50 µ" \* 8-80-120 µ" \*  
Product shielding definition: 0 - no shielding shell; 1 - without shielding shell; 2 - shielding a shell; 3 - a half-shield shell  
Products luminous definition: 0 - No LED; 1 - 4in Yellow Right Green; 2 - 4in Green Right Yellow; 3 - Double Green; 4 - Double Yellow; 5 - LED straight for the pin; C - A special definition; 7 - 5 in 6 in  
Literer LEDs  
Products out part: 1-20T \* 2-20T \* 4-24 \* 5-25 \* 6-26 \* 8-28 \* A-31T \* B-12 \* C-14 \* D-15 \* E-18 \* 1-18 \* U-(880K65) \* P-148 DP1M \* H-148 DP1Z \* K-148 DP1X

**B-TOP®** 东莞博腾电子科技有限公司  
Dongguan BroadTop Electronic Technology Co., Ltd.

FIRST ANGLE PROJECTION		TEL: 0769-38926198	Designed	Checked	Approved	MATERIAL	DESCRIPTION	MODEL NO.	REV.
		FAX: 0769-38926199							

B

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B

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