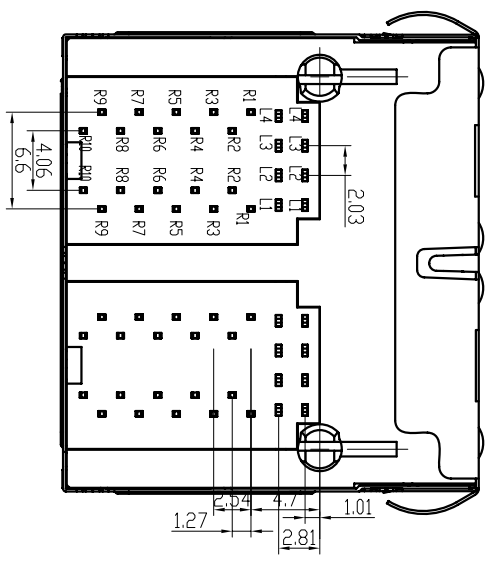
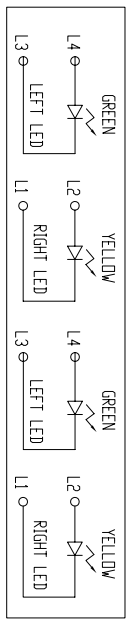
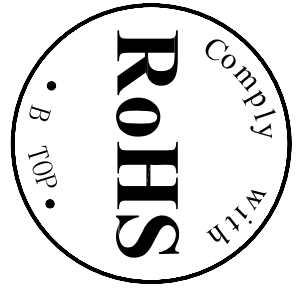


PCB BOARD LAYOUT



LEFT LED

RIGHT LED

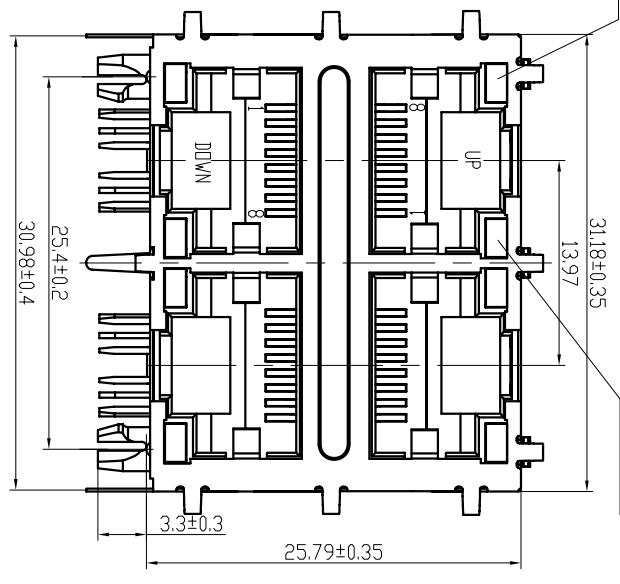
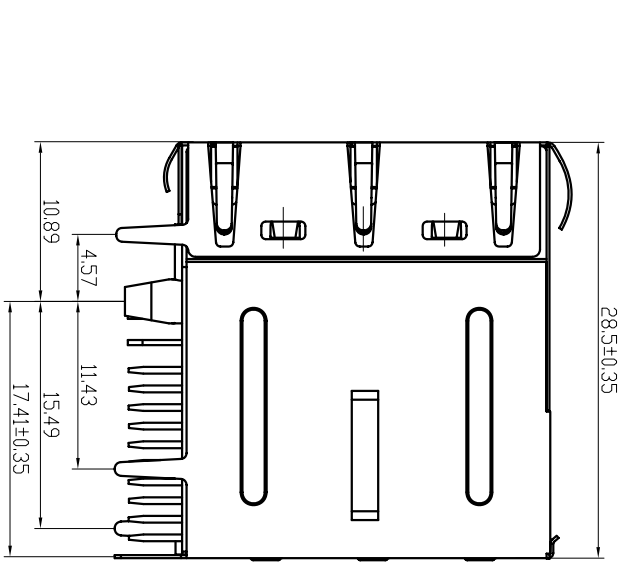


LED Specification

Standard LED Color	LED Wavelength (nm)	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

- 1: LED Intensity/wavelength measured with Photo Research PR-650 Colorimeter
- 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,



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

TEL: 0769-38926198
 FAX: 0769-38926199
 Website: http://www.btotech.com

Designed
 Checked

MATERIAL

SCALE

2:1

UNIT

mm

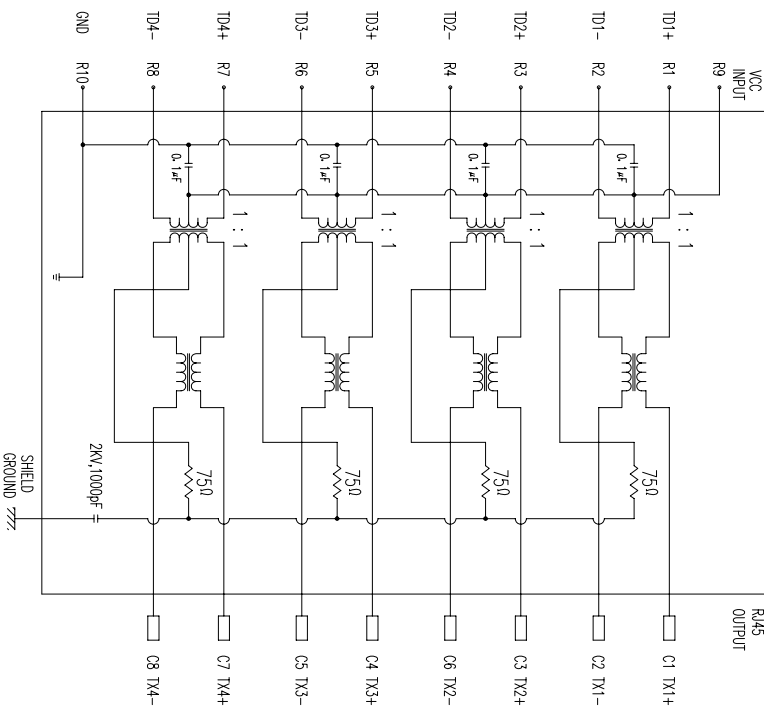
MODEL NO.

DESCRIPTION

B59(311-22)68-28-2223-C12(2X2 G-Y LED EMI)

REV.

SHEMATIC RV1



ELECTRICAL SPECIFICATIONS AT 25°C

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

DESCRIPTION

R45 With internal Magnetics Connector

Design 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: RoHS peak wave solder temperature rating 235°C 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.

INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g 6 CONTACTS-----750g 8 CONTACTS-----900g 10 CONTACTS-----1050g

MECHANICAL: RETENTION STRENGTH: 7.7kgs BETWEEN JACK AND PLUG DURABILITY: 750 MATING CYCLES Min

HOUSING: 1) GLASS FILLED PA66 (UL 94V-0) 2) GLASS FILLED PA46/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 3) 0.12-0.24mm THICKNESS COPPER ALLOY WITH TIN PLATED

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

"B" with the company code

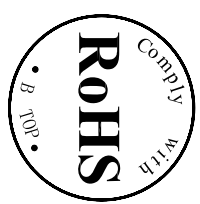
Series of products: 60 double deck R45 connector + transformer series; In station transformer series; In vertical footprint: 50: Single R45 + transformer series; 52, 53, 55, 56 LED; 56/57/59; Ordinary R45 series; 3K; that strip line series; 40; Conversion said Connectivity 80; Series that UK; 91; Automotive connector public Block; 32; Automotive connector another Block; 33; IHMI the head; 34; IHMI another Block; 35; SMT series; 96; RRS for services

Family code (sequence ID): 1-99

Type of product code: G: GigaBit R45 transformer; F: 100Base R45 transformer; K: for no transformer R45 products; H: Series for board-on-board code

Number of magnetic ring

The No. of circuit



Product definition LOGO: 1 - Press "B" - TOP "2- No "B" - TOP"; 3 - Other companies LOGO

Product definition plastic materials: 1-PA66 2-PA46, 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) 1-4" " " 2-3" " " 3-6" " " 4-15" " " 5-30" " " 6-50" " " 7-N/50" " " 8-80" " " 9-120" " "

Product shielding definition: 0 - no shielding shell; 1 - without shielding shell strap; 2 - shielding a shell strap; 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 Illumer LEDs

Products out port: "20" "20Z" "42W" "52W" "62W" "82W" "11" "B" "12" "C" "14" "D" "15 " "18" "18B" "H" "(S)H46" "P" "18 IP" "1" "H" "18 IP" "2" "K" "18 IP" "4"

BTOP
 Dongguan BroadTop Electronic Technology Co., Ltd.

FIRST ANGLE PROJECTION		CUSTOMER MODEL NO.	DESIGNED	MATERIAL	SCALE	UNIT	MODEL NO.	REV.
			Checked		1.8:1	mm	B80020002811	
			Approved					

B

A

B

A