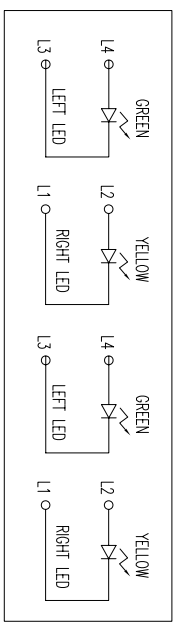


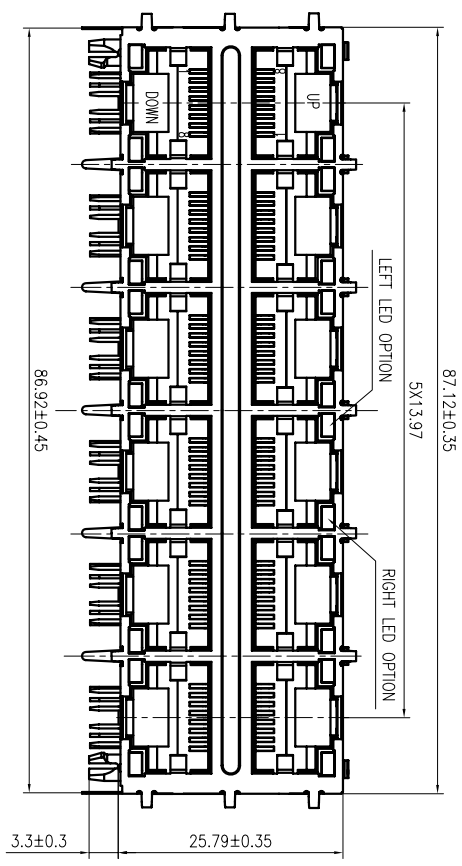
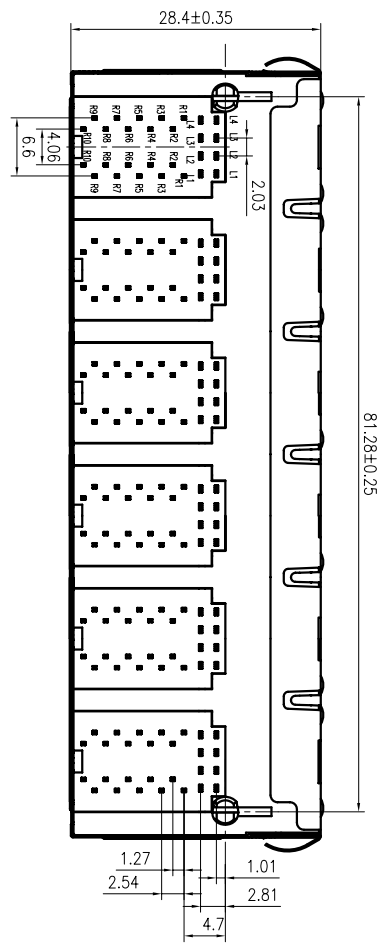
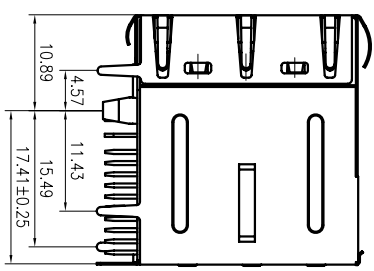
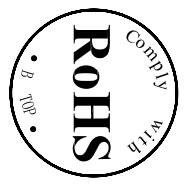
PCB BOARD LAYOUT



LED Specification

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

1. LED intensity/wavelength measured with Photo Research PR-650 Colormeter
 2. With a forward current of 20 mA, Absolute Maximum Ratings (T_a=25^oC)
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.

FIRST ANGLE PROJECTION		CUSTOMER	MODEL NO.
Checked	Approved		

Designed	MATERIAL	DESCRIPTION	REV.
Checked		B59(173-12)08-28-0223-C12(2X6 G-Y LED EMI)	V1.0
Approved	SCALE	UNIT	MODEL NO.
	1:2:1	mm	

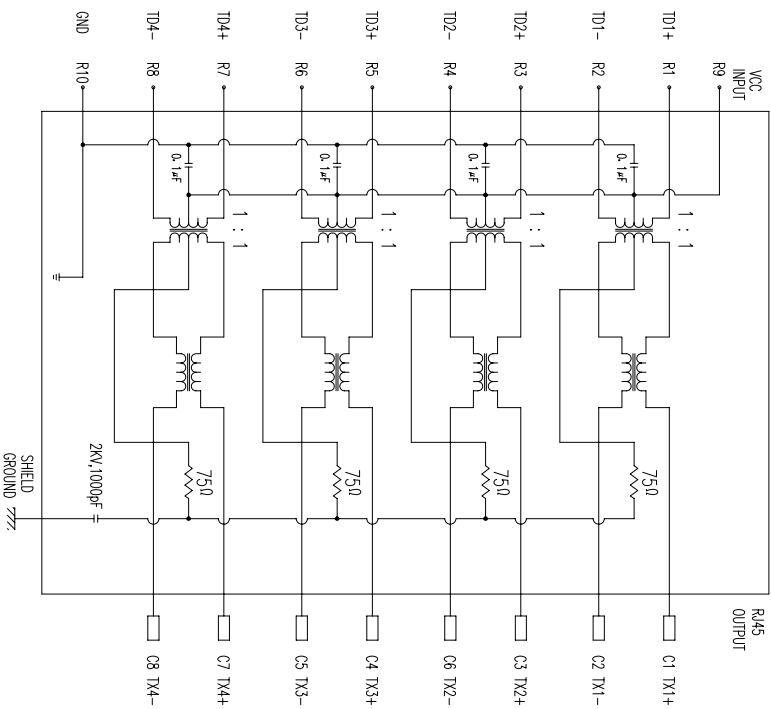
B

B

A

A

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

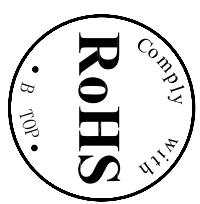
MECHANICAL: RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG DURABILITY: 750 MATING CYCLES Min

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 stations footprint); 80:Double deck R45 connector + transformer series;In vertical footprint); 90: Single R45 + transformer series;52,53,55,56 LED;56/57,59; Ordinary R45 series;3K; that scrip line series; 40: Conversion said Connectivity 80: Series that UK; 91: Automotive connector public Block;92: Automotive connector another Block; 93: IHMI the head;94: IHMI another Block; 95: 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 m transformer R45 products; H: Series for hood-chose 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/50µ" " " 8-80µ" " " 9-120µ" " "
 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; * -Single Illumer LEDs
 Products out port: "20" "20Z" "42M" "52M" "62M" "82M" "11" "B-12" "C-14" "D-15" "E-18" "F-18" "G-18M" "H-18" "I-18" "J-18" "K-18" "L-18" "M-18" "N-18" "O-18" "P-18" "Q-18" "R-18" "S-18" "T-18" "U-18" "V-18" "W-18" "X-18" "Y-18" "Z-18"

BTOP
 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.	DESIGNED	CHECKED	APPROVED	MATERIAL	SCALE	UNIT	MODEL NO.	DESCRIPTION	REV.
							1.8:1	mm	B80020002811	BT G8-28	

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