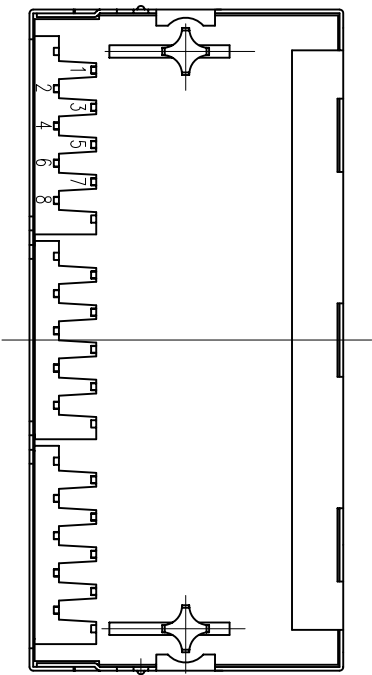


1

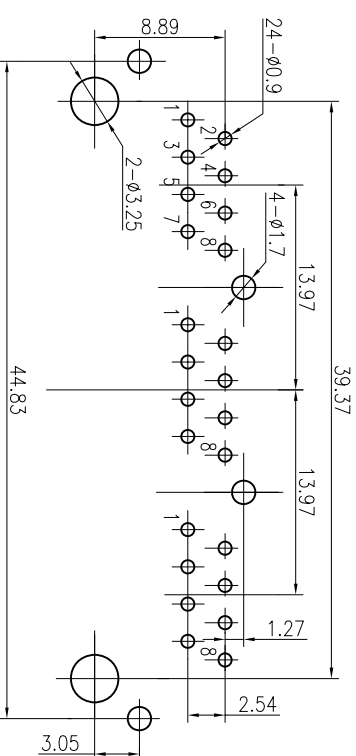
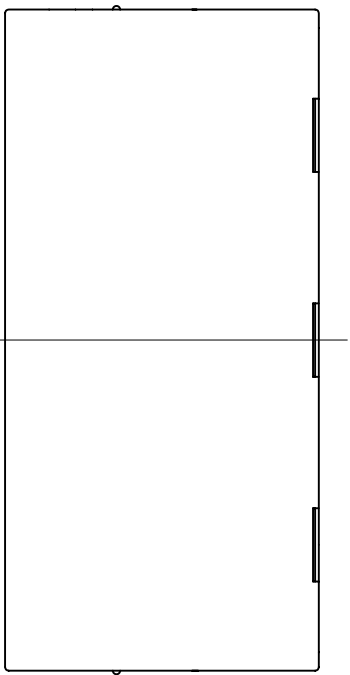
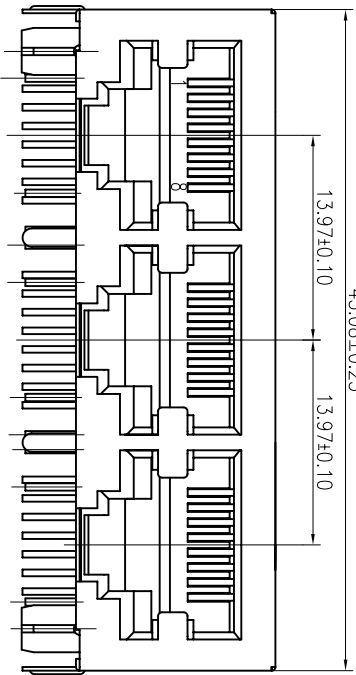
2



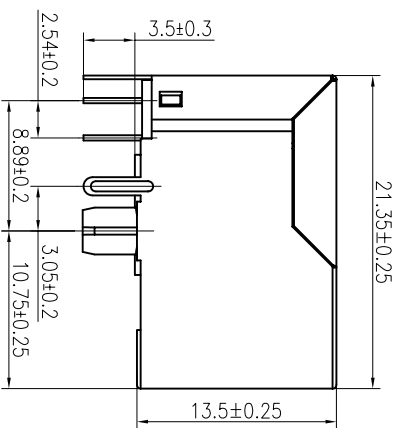
45.08±0.25

13.97±0.10

13.97±0.10



PCB BOARD LAYOUT



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.

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 www.BroadTech.com
 www.BroadTech.com

FIRST ANGLE
 PROJECTION



Website

Designed
 Checked
 Approved

MATERIAL

DESCRIPTION

B50(108-01)F4-03A-Z013-B92(1X3 B LCP)

SCALE

2:1

UNIT

mm

MODEL NO.

REV.

V1.0

B

B

A

A

1

2

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 IEEE802.3af/at 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.

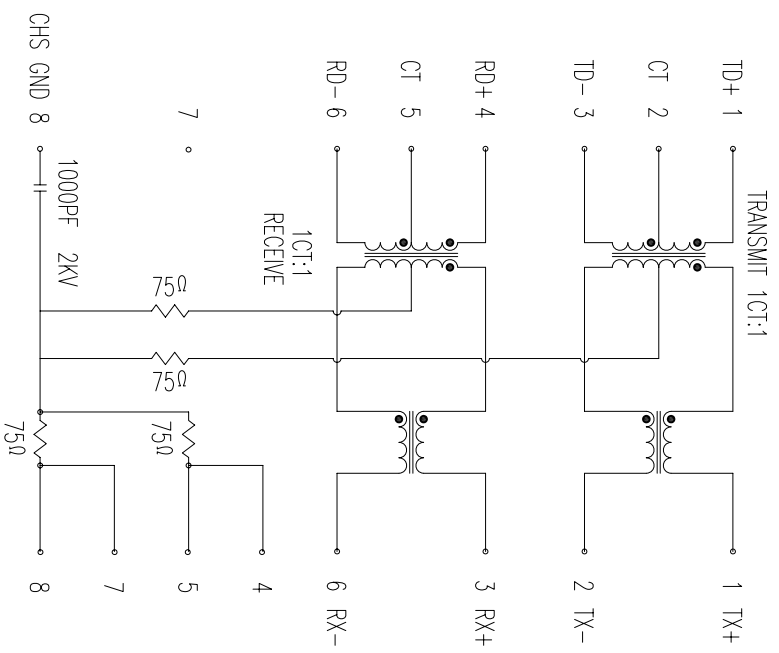
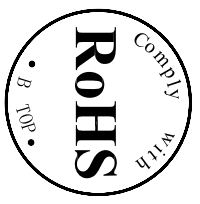
MECHANICAL: INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g
6 CONTACTS-----750g 8 CONTACTS-----900g
10 CONTACTS-----1050g

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)
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: GOLD PLATING: 3µ", 6µ", 15µ", 30µ", 50µ"
WORKING TEMPERATURE: -20°C~70°C
TOLERANCES UNLESS OTHERWISE SPECIED : 0~10±0.15, 10~20±0.2, 20~40±0.25, 40~70±0.3, >70±0.4



ELECTRICAL SPECIFICATIONS AT 25°C

Insertion Loss dB max	Return Loss dB min	Crosstalk (db TYP)	Common Mode Rejection (dB TYP)	Hypot(Vrms)
1-125MHz	1-30MHz	1-100MHz	1-100MHz	1500/0.5mA OR 2250C/0.1mA
-1.2	-18	-18+20log(f/30MHz)	-30	

"g" with the company code

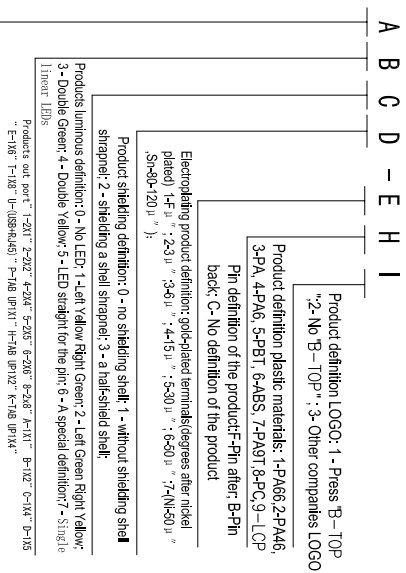
Series of products: 60: Double deck RJ45 connector + transformer series (in standard footprint); 59: Double deck RJ45 connector + transformer series (in vertical footprint); 58: Single RJ45 + transformer series; 52, 53, 55, 56 LED; 56, 57, 59: Ordinary RJ45 series; 10K: that strip line series; 40: Conversion standard connectivity; 58: Series that UK; 91: Automotive connector module Blocks; 92: Automotive connector module Blocks; 93: IMH the head; 94: IMH another Block; 95: SM series; 96: BHS for articles

Family code (sequence id): 1-99

Type of product code: G: Gigabit RJ45 transformer; F: Induce RJ45 transformer; W: for a transformer RJ45 products; M: Series for Multi-Protocol code

Number of magnetic ring

The No. of circuit



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	DESIGN	SCALE	UNIT	MODEL NO.	REV.
		FAX: 0769-38926199	Approved	MATERIAL	1.8:1	mm	B80010000311	
		Website: www.BroadTopTech.com						

BT F4-03A