

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

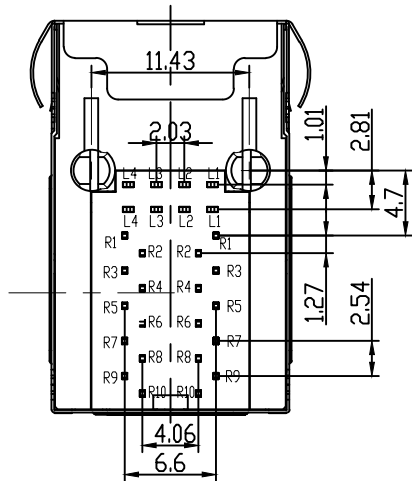
ELECTRICAL:
RoHS peak wave solder temperature rating 235°C
High performance for maximum EMI suppression
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.

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

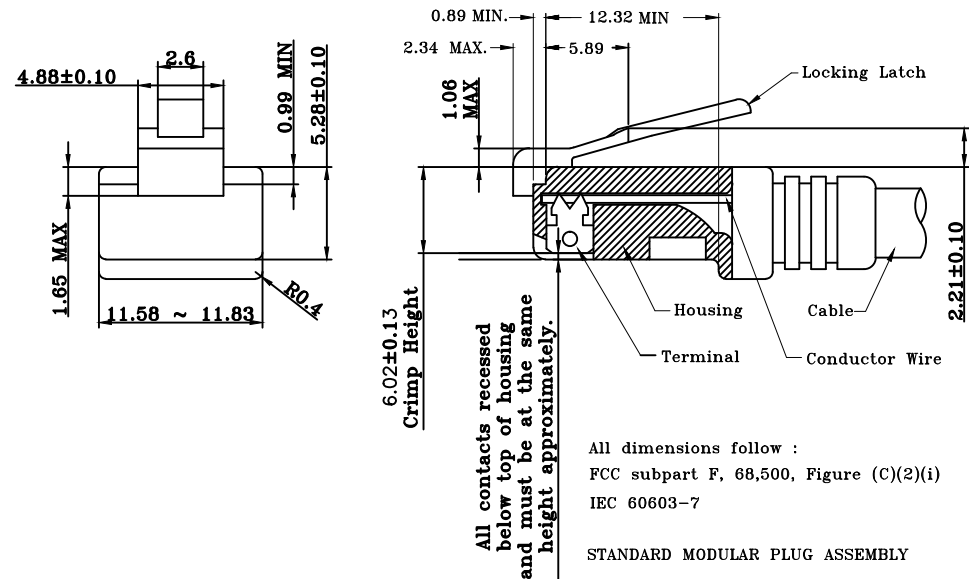
MECHANICAL:
RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG
DURABILITY: 750 MATING CYCLES Mini
HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)
2) GLASS FILLED PA46/LCP (UL 94V-0)
3) GLASS FILLED PBT (UL 94V-0)

MATERIAL:
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;
GOLD PLATING: 3μ", 6μ", 15μ", 30μ", 50μ"
TOLERANCES UNLESS OTHERWISE SPECIFIED :
0-10±0.15, 10-20±0.2, 20-40±0.25, 40-70±0.3, ≥70±0.4

1.Recommend Plug Dim



NOTES : 1. Tolerance : PCB ±0.05mm
Connector ±0.25mm
2. Connector dimensions comply with FCC 68.5 dimension requirements



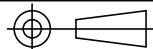
B-TOP 东莞市博腾电子科技有限公司
Btop Tech Dongguan BtopTech Electronic Technology Co., Ltd.

DIM. TOL.
X ±0.30
X.X ±0.20
X.XX ±0.15
X.XXX ±0.10
GENERAL ANGLE:
±3°

UNIT: mm
SCALE: 1:1
SHEET: 1 of 2
DWG. SIZE: A4
LAYER: XXXX

WEBSITE: WWW.BTOPTECH.COM
WWW.BTOPTECH.CN
TEL: 0769-38928198
FAX: 0769-38928199
DRAWN:
CHECKED:
APPROVED:

TITLE: B59(57-114)F4-177-1223-C12
PART NO.: 10/100BASE 2X1Port W/ SHELL W/ LED



XA	NEW RELEASE	xxxx	Jason	2018-Jun-06
REV.	DESCRIPTION	ECN NO.	NAME	DATE

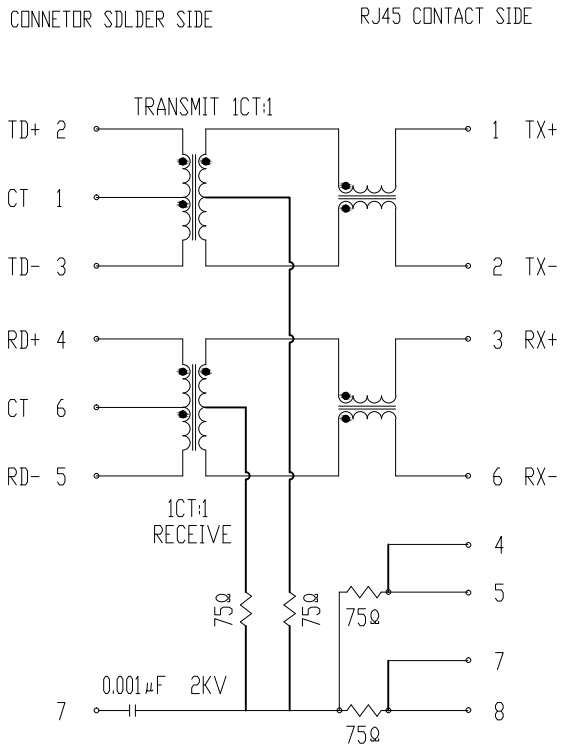
REVISIONS

Meets or exceeds IEEE 802.3 standard for 10/100Base-T
 350 uH minimum OCL with 8mA DC bias current
 Available with or without LEDs
 Minimum 1500Vrms isolation per IEEE802.3 requirement
 Operating temperature 0°C to +70°C
 Storage temperature -40°C to +85°C

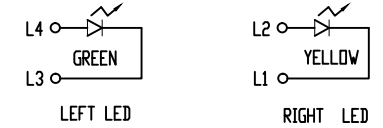
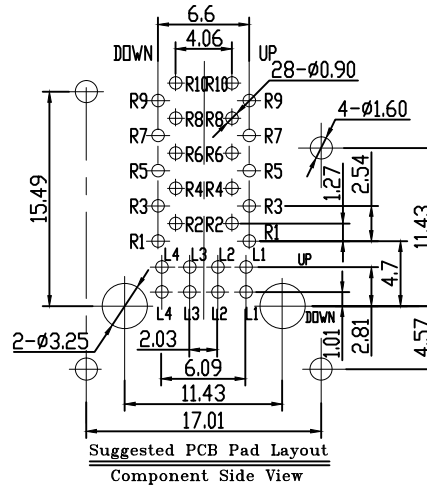
2. TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°C;

Insertion Loss (dB max.)	Return Loss (dB min.)			Cross talk (dB min.)			C.M.R. (dB min.)		Hi - pot (Vrms)
	1-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	10-60 MHz	60-100 MHz	
1-100MHz	-18	-16	-12	-40	-35	-30	-40	-30	60Hz/1min.
-1.0	-18	-16	-12	-40	-35	-30	-40	-30	1500

3. SCHEMATIC:



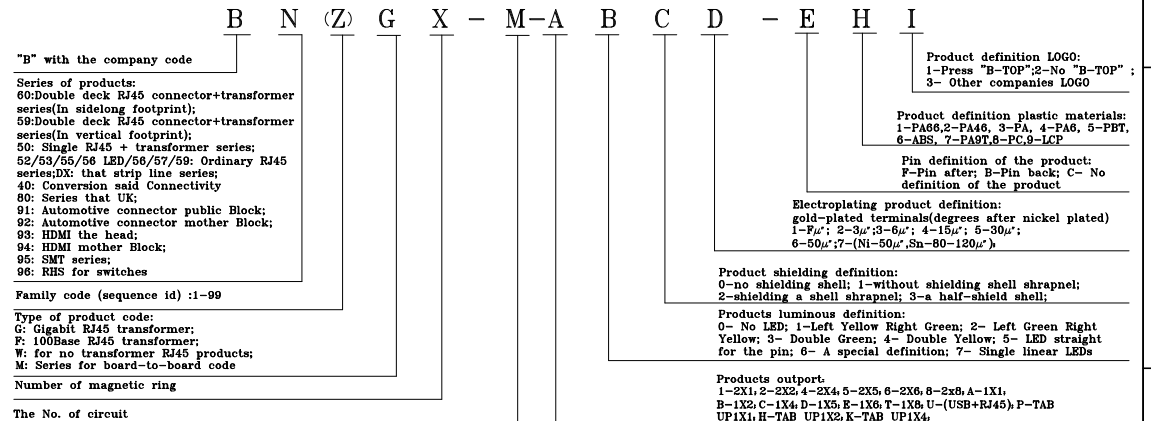
4. Pin Assignment For PCB Layout



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

LED Specification

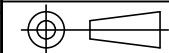
5. ORDER INFORMATION



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

TITLE: B59(57-114)F4-177-1223-C12
 PART NO.: 10/100BASE 2X1Port W/ SHELL W/ LED (-40°C~+85°C)

DIM. X X.X X.XX X.XXX
 TOL. ±0.30 ±0.20 ±0.15 ±0.10
 GENERAL ANGLE: ±3°



UNIT: mm
 SCALE: 1:1
 SHEET: 2 of 2
 DWG. SIZE: A4
 LAYER: XXXX

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 DRAWN:
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REVISIONS