

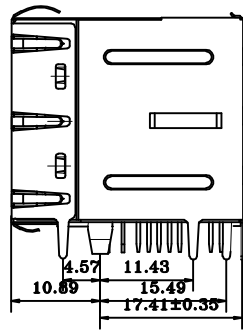
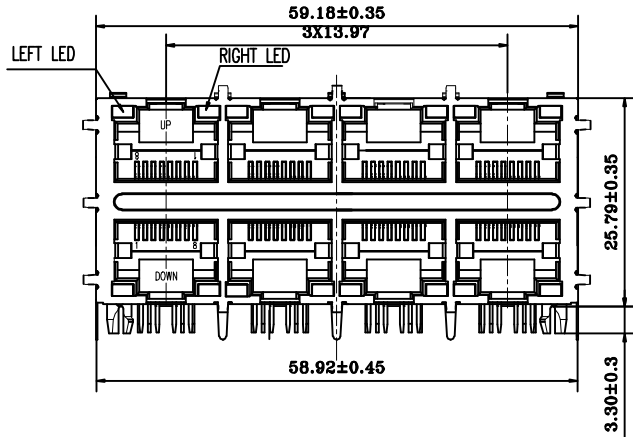


DESCRIPTION:
RJ45 With internal Magnetics Connector
Designed to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub
Internal magnetics are 100% electrically tested for functionality per IEEE802.3af/at requirement

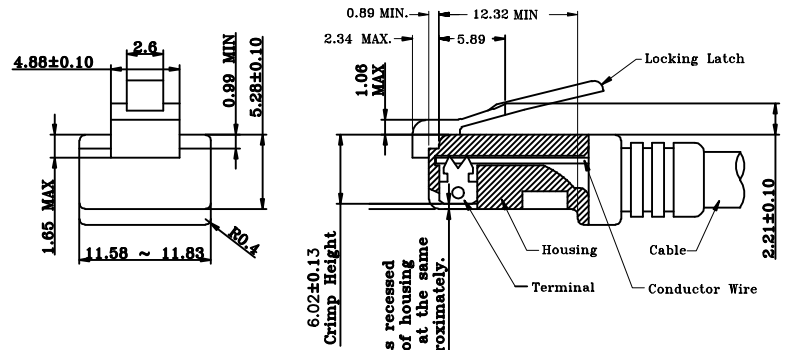
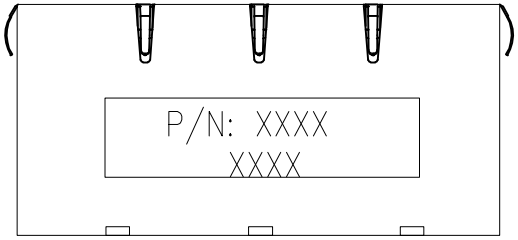
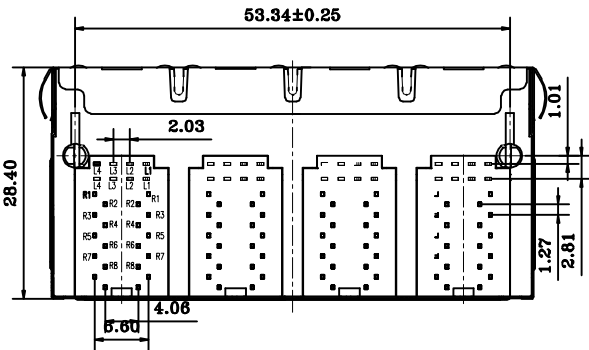
ELECTRICAL:
RoHS peak wave solder temperature rating 235°C
High performance for maximum EMI suppression
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
INSERTION FORCE: 2 CONTACTS----350g 4 CONTACTS----500g
6 CONTACTS----750g 8 CONTACTS----900g
10 CONTACTS----1050g

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



All contacts recessed below top of housing and must be at the same height approximately.

All dimensions follow :
FCC subpart F, 68,500, Figure (C)(2)(i)
IEC 60603-7
STANDARD MODULAR PLUG ASSEMBLY

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
Dongguan BtopTech Electronic Technology Co., Ltd.

DIM.	TOL.	UNIT:	mm
X	±0.30	SCALE:	1:1
X.X	±0.20	SHEET:	1 of 2
X.XX	±0.15	DWG. SIZE:	A4
X.XXX	±0.10	LAYER:	XXXX
GENERAL ANGLE:		±3°	

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

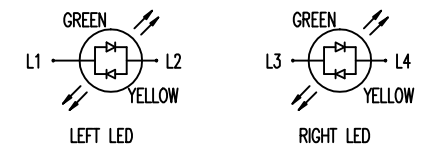
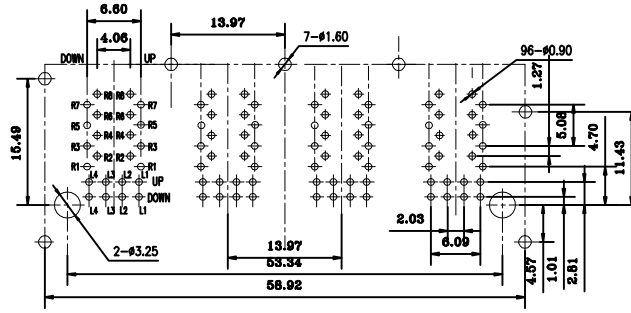
TITLE:	B59(111-18)W-000-4623-C12
PART NO.:	2X4Port No Transformer W/ SHELL W/LED

REV.	DESCRIPTION	ECN NO.	NAME	DATE
XA	NEW RELEASE	xxxx	Jason	2017-0ct-12
REVISIONS				

3.Pin Assignment For PCB Layout



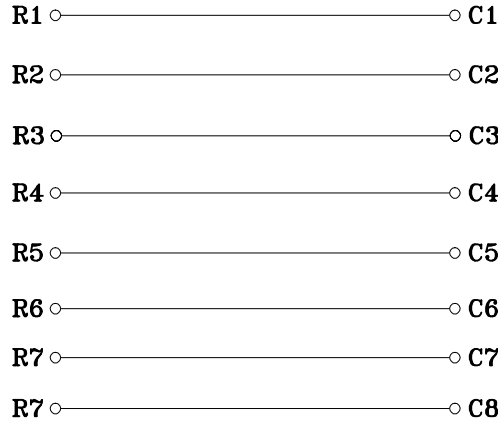
Meets or exceeds IEEE 802.3 standard for No Transformer
 Available with or without LEDs
 Operating temperature -40°C to +85°C
 Storage temperature -40°C to +85°C



Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580nm	2.5V	2.1-2.2V	9-25MCD
Orange	610-615nm	2.5V	2.1-2.2V	9-30MCD

2.SCHEMATIC:

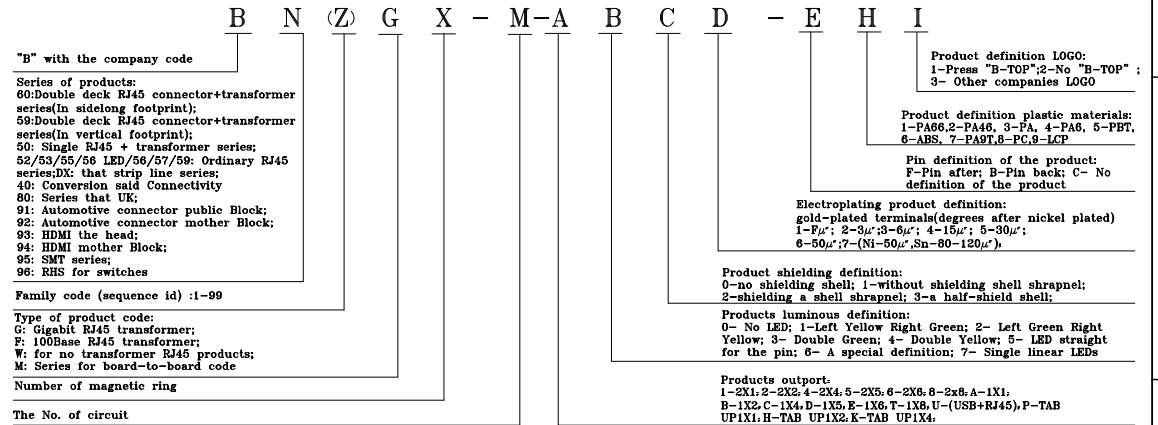
INPUT RJ45 OUPUT



Suggested PCB Pad Layout
 Component Side View

LED Specification

4.ORDER INFORMATION



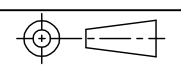
B-TOP 东莞市博腾电子科技有限公司
 Dongguan BtopTech Electronic Technology Co., Ltd.

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:	2 of 2
DWG. SIZE:	A4
LAYER:	XXXX

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