

**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

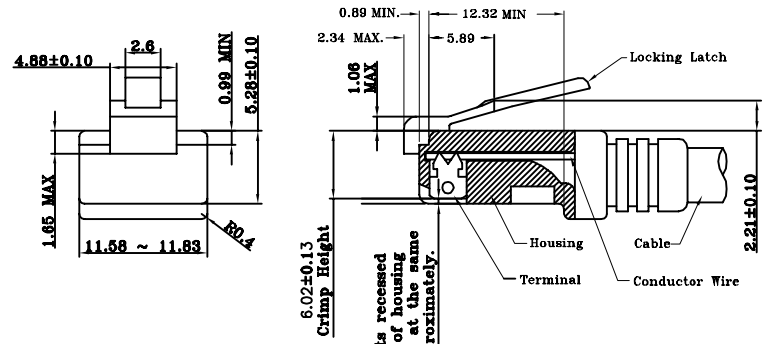
**ELECTRICAL:**  
RoHS peak wave solder temperature rating 235°C  
High performance for maximum EMI suppression  
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.  
INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g  
6 CONTACTS-----750g 8 CONTACTS-----900g  
10 CONTACTS-----1050g

**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", 50μ", 50μ"  
WORKING TEMPERATURE: -20°C~70°C

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  
Btop Tech Dongguan BtopTech Electronic Technology Co., Ltd.

TITLE: B59(127-07)SP8-214-4125-C12  
PART NO.: 2.5G BASE PoE++ 2X4Port W/ SHELL W/ LED 30u"

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°			

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DRAWN:				
CHECKED:	XA	NEW RELEASE	XXXX	Jason
APPROVED:	REV.	DESCRIPTION	ECN NO.	NAME
				DATE

REVISIONS

