

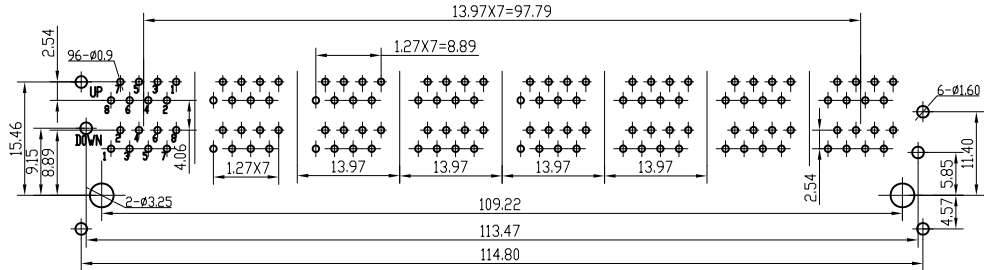
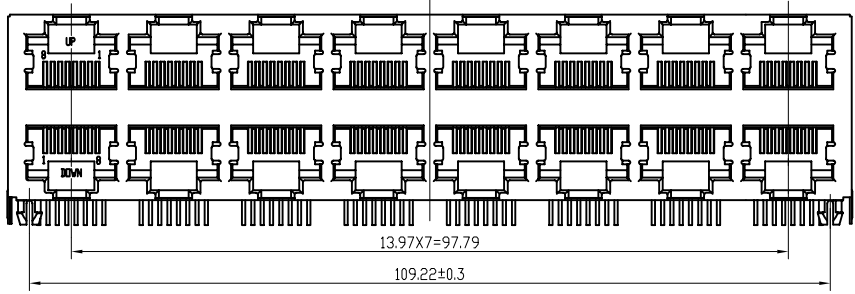
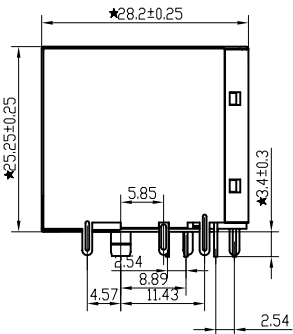
### SPECIFICATIONS

**ELECTRICAL :**  
 CURRENT RATING: 1.5A  
 VOLTAGE RATING: 125V AC  
 INSULATION RESISTANCE: 500M $\Omega$  Mini  
 WITHSTAND VOLTAGE: AC 1500 V RMS 50Hz OR 60Hz 1 Min  
 CONTACT RESISTANCE: 20m $\Omega$  Max

**MECHANICAL:**  
 INSERTION FORCE: 2 CONTACTS----350g 4 CONTACTS----500g  
 6 CONTACTS----750g 8 CONTACTS----900g  
 10 CONTACTS----1050g  
 RETENTION STRENGTH: 7.7Kg BETWEEN JACK AND PLUG  
 DURABILITY: 750 MATING CYCLES Mini

**MATERIAL:**  
 HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)  
 2) GLASS FILLED PA46 (UL 94V-0)  
 3) GLASS FILLED PBT (UL 94V-0)  
 SPRING WIRE: 1) 0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKEL  
 2) 0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL  
 SHIELDING: 0.2mm THICKNESS COPPER ALLOY WITH TIN PLATED  
 GOLD PLATING: F  $\mu$ \*, 3  $\mu$ \*, 6  $\mu$ \*, 15  $\mu$ \*, 30  $\mu$ \*, 50  $\mu$ \*

WORKING TEMPERATURE: -40 $^{\circ}$ C~70 $^{\circ}$ C  
 TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0~10 $\pm$ 0.15, 10~20 $\pm$ 0.2, 20~40 $\pm$ 0.25, 40~70 $\pm$ 0.3, >70 $\pm$ 0.4.



PC Board Layout

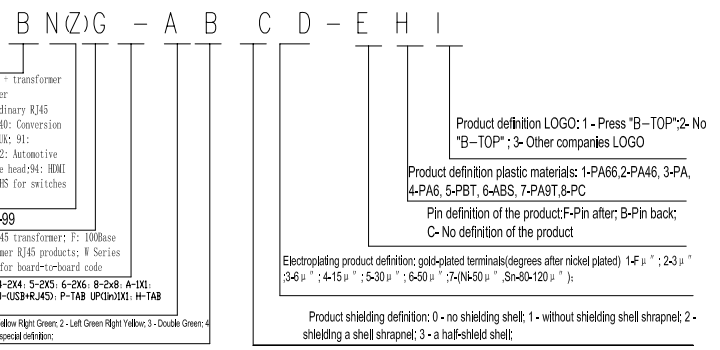
"B" with the company code

Series of products: 59: Double RJ45 + transformer  
 series: 50: Single RJ45 + transformer  
 series: 52/53/55/56 LED/56/57/59: Ordinary RJ45  
 series: 0X: that strip line series: 40: Conversion  
 said Connectivity 80: Series that UK: 91:  
 Automotive connector public Block: 92: Automotive  
 connector mother Block: 93: HDMI the head: 94: HDMI  
 mother Block: 95: SW series: 96: BMS for switches

Family code (sequence id) :1-99

Type of product code: G: Gigabit RJ45 transformer; F: 100Base  
 RJ45 transformer; W for no transformer RJ45 products; W Series  
 for board-to-board code; X: Series for board-to-board code

Products out part: 1-2X1; 2-2X2; 4-2X4; 5-2X5; 6-2X6; 8-2X8; A-1X1;  
 B-1X2; C-1X4; D-1X5; E-1X6; F-1X8; U-(USB+RJ45); P-TAB UP(DIN)X1; H-TAB  
 UP(DIN) X2; K-TAB UP(DIN) X4  
 Products Lanthous 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;

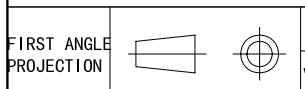


**B-TOP<sup>®</sup>** 东莞市博腾电子科技有限公司  
 Dongguan BroadTop Electronic Technology Co., Ltd.

Designed  
 Checked  
 Approved

MATERIAL  
 SCALE 1:1  
 UNIT mm  
 MODEL NO.

DESCRIPTION B9(08-03)W-8011-C51(U59 2X8 无EMI)



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REV. V1.2