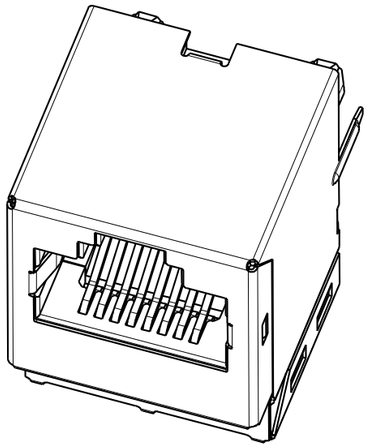
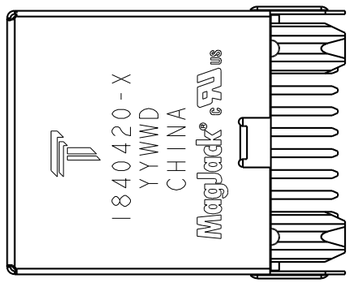
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

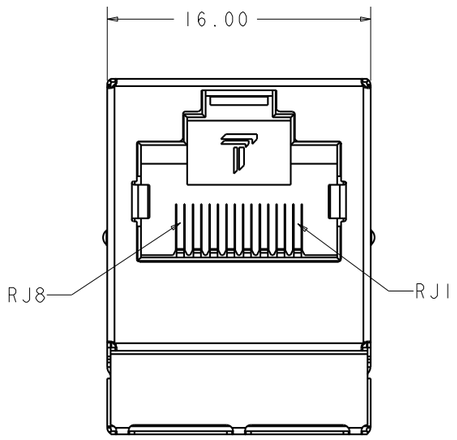
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
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7429195 7717749 7808751 8217391 8149050 7924130

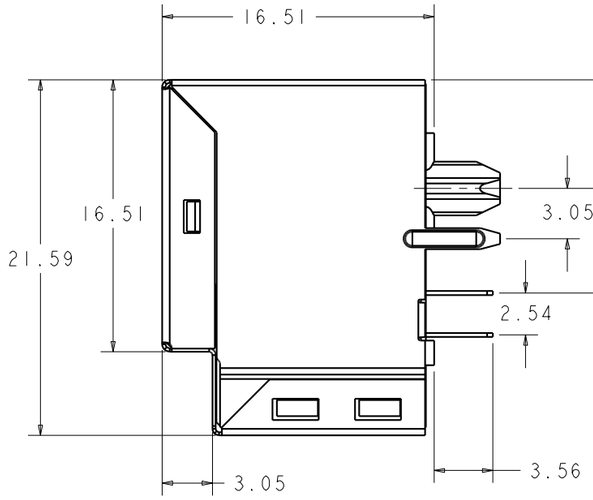
REVISIONS

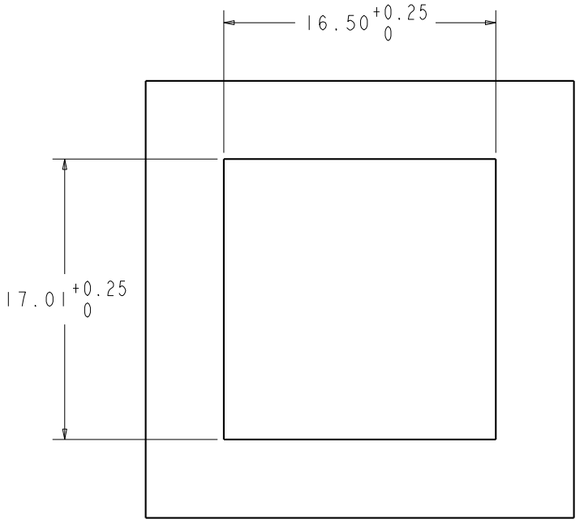
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	F	EC-1411035, LOGO CHANGE	22DEC2014	PP	KZ

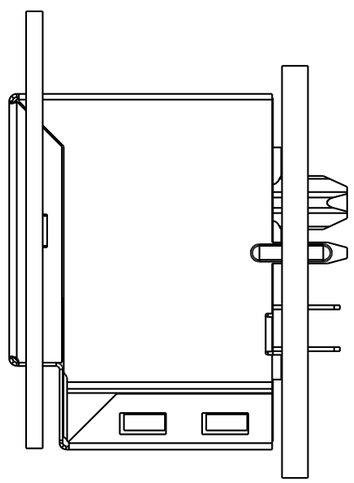












1. MATERIALS
   HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0
   SHIELD: BRASS, 0.20mm THICK,
   PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
   POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
   CONTACT: PHOSPHOR BRONZE,
   WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
   SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
   SOLDER TAIL: PHOSPHOR BRONZE,
   WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
   PLATED WITH 2.54um MIN TIN
   LED: DIFFUSED EPOXY LENS, 0.50mm SQUARE CARBON STEEL WIREFRAME LEADS
   PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
   OVER 1.02um MIN COPPER UNDERPLATE POST PLATED WITH 2.54um MIN TIN

△2 MAGNETICS
   -APPLICATION: 10/100 BASE-T
   -IMPEDANCE: 100 OHMS
   -TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
   -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
   8mADC BIAS FROM 0°C TO 70°C, TX AND RX
   -PERFORMANCE @ 25°C:
   INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
   RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
   18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
   12dB MIN FROM 60.1MHz TO 80MHz
   CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
   33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
   COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
   -ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b

△3 THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: 0 ~ 70°C
5. ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

xxxxx

1840420-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±-
ANGLES ±-

PRODUCT SPEC: 108-2100
APPLICATION SPEC: -

DWN TOMMY REN 18AUG2006
CHK KEITH ZHU 18AUG2006
APVD TEDDY XIONG 18AUG2006

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE NON-PoE

DESC: 1X1,MAGJACK, VERTICAL 426P13, 10/100 CIRCUIT, W/O LEDS

SIZE A2 | CAGE CODE | DRAWING NO C-1840420 | RESTRICTED TO -

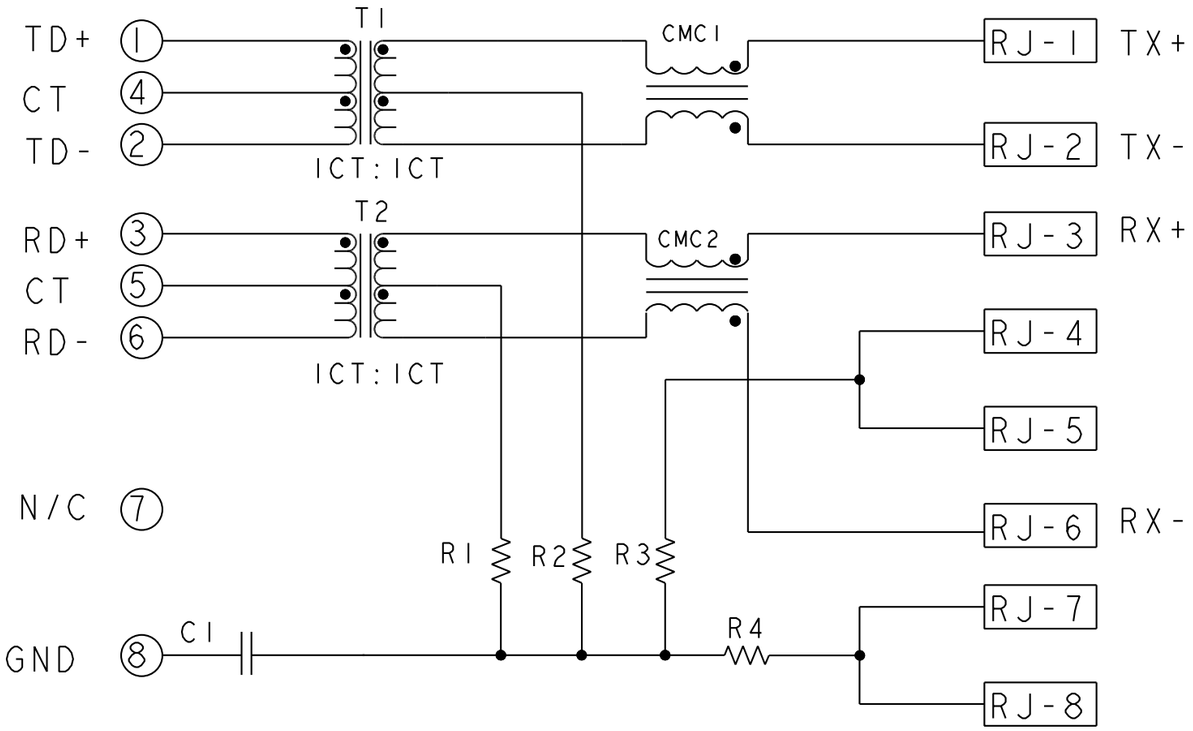
CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 2 | REV F

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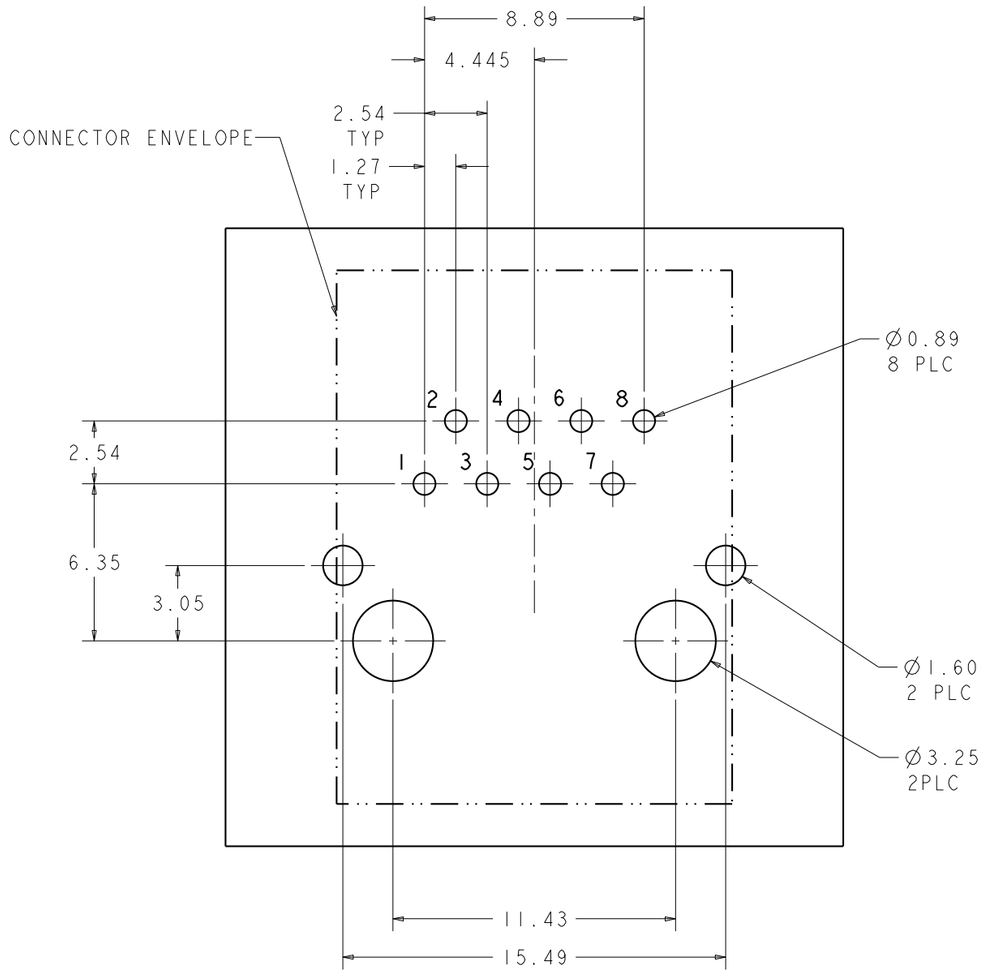
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426P13 10/100 BASE-T CIRCUIT 2 3



C1 = 1000pF, 2KV, CAPACITOR
R1 - R4 = 75 ohms, RESISTOR



SUGGESTED PCB LAYOUT(TOL:±0.05)
(COMPONENT SIDE VIEW)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±-
ANGLES ±-

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CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 2 | REV F

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