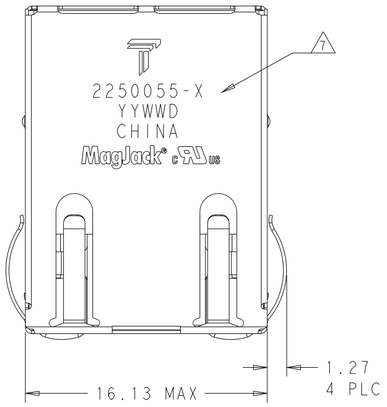
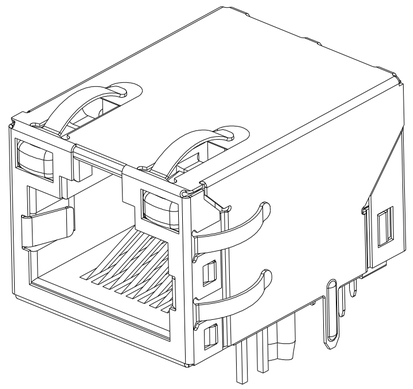
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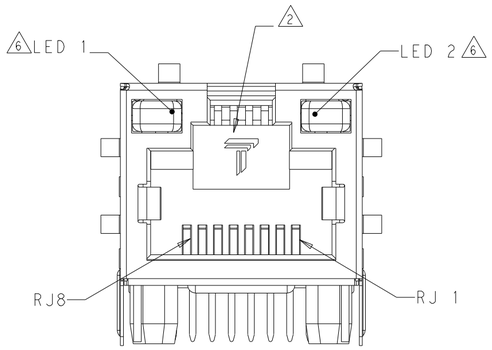
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
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7429195 7717749 7808751 6217391 6149050 7924130

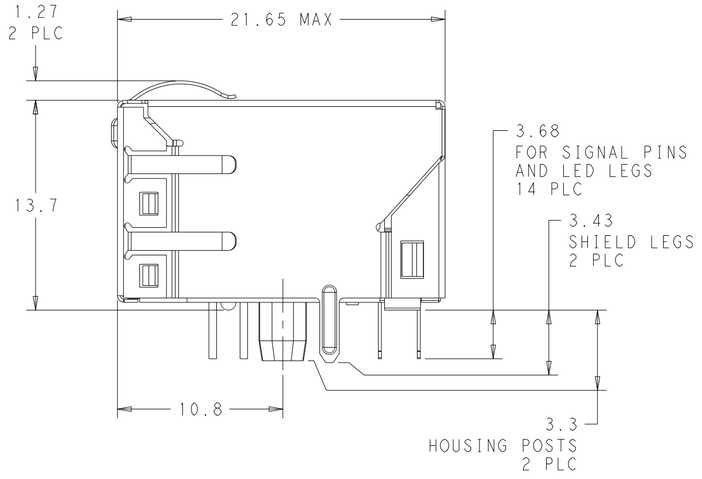
REVISIONS

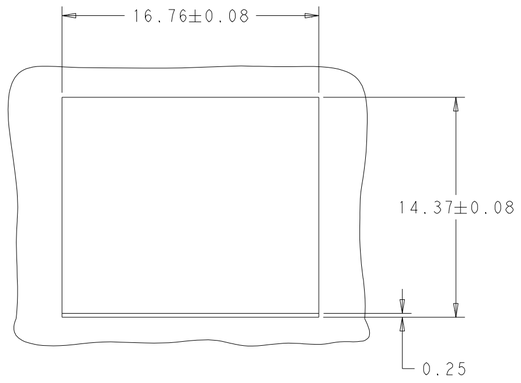
P	LTR	DESCRIPTION	DATE	DWN	APVD
	2	EC-1411035 COMPANY LOGO CHANGE	04JAN2015	DP	TY

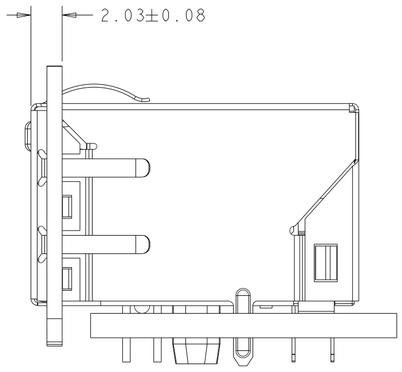












SUGGESTED CUT PANEL AND PCB

1. MATERIALS
   - HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
   - SHIELD: BRASS 0.20mm THICK, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 2.54um MIN SAC SOLDER.
   - CONTACTS: PHOSPHOR BRONZE 0.46mm X 0.30mm, PHOSPHOR BRONZE, 1.27um MIN NICKEL UNDERPLATE, WITH 1.27um MIN GOLD PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS, OR 1.27um MIN NICKEL UNDERPLATE, WITH 0.05um GOLD PLATING OVER 0.76um MIN PALLADIUM NICKEL PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
   - SOLDER TAILS: 0.25mmTHICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, 3um TIN PLATE
   - LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05um MIN. MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.

3 MAGNETICS
   -APPLICATION: 10/100 BASE-T, PoE
   -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
   -POE CURRENT: 350mADC MAX
   -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: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC

4. OPERATING TEMPERATURE: FROM 0°C TO 70°C.

5 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.

6 LEDS WITH BUIL-IN 250 OHM RESISTORS. LEDS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
   LED COLOR: DOMINATE WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
   FORWARD CURRENT (IF): GREEN 12mA TYP @ VF = 5V
   DOMINATE WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
   FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF = 5V

7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN. DATE CODE: YYWWD WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.

8. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS,PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.

YELLOW	GREEN	2250055-1
11 → 12	13 → 14	PART NUMBER
LED 1	LED 2	

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: -

APPLICATION SPEC: -

DWN 06JUN2013 ROY LIU
CHK 06JUN2013 TOWER YU/ FRANK LIU
APVD 06JUN2013 TONY YUAN

MODEL NAME: MAGJACK SINGLE PoE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X1 7U26L 10/100 POE TAB UP W/ LED -

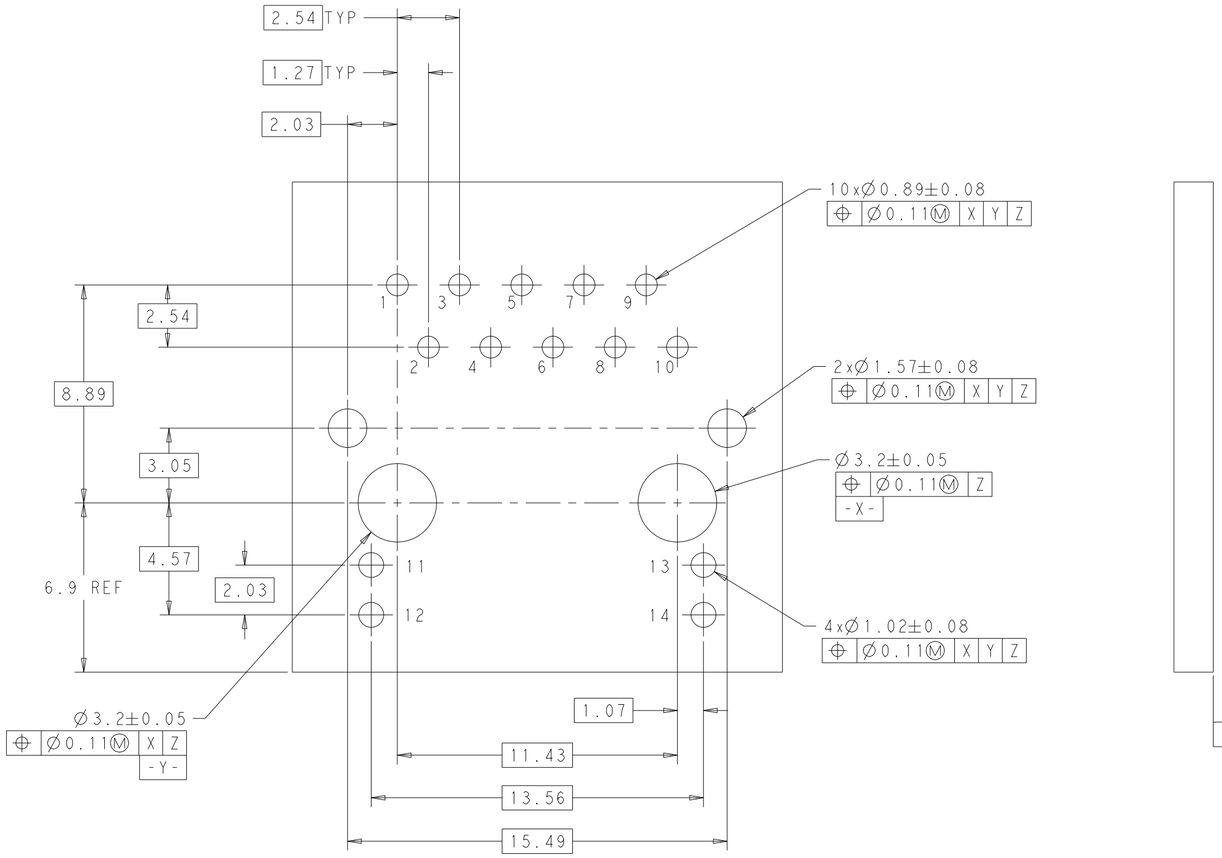
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1		C-2250055	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 3 | REV 2

xxxxx

Please read our datasheet & drawing disclaimer here.

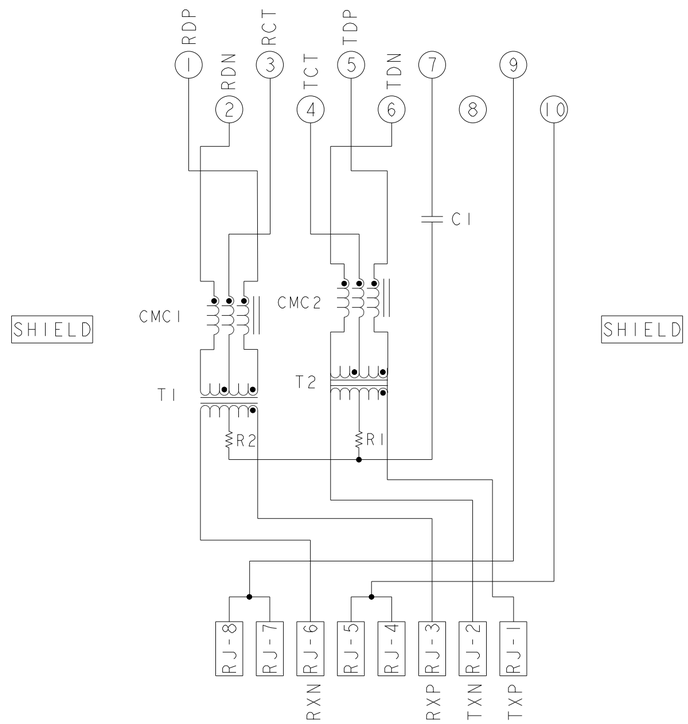
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SUGGESTED CUSTOMER BOARD LAYOUT

(COMPONENT SIDE)

7U26L MAGNETIC CIRCUIT 3 5



C1 = 1000 pF, 2kV CAPACITOR

R1-R2 = 75 OHMS, RESISTORS

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 -

APPLICATION SPEC -

DWN ROY LIU 06JUN2013
CHK TOWER YU/ FRANK LIU 06JUN2013
APVD TONY YUAN 06JUN2013

trp CONNECTOR a bel group DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE PoE

DESC: 1X1 7U26L 10/100 POE TAB UP W/ LED -

SIZE A1 | CAGE CODE | DRAWING NO: C-2250055 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 3:1 | SHEET 2 OF 3 | REV 2

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C_2250055					STOCK DISPOSITION			
					A: CONTINUE AS IS B: REWORK C: SCRAP		D: USE OLD FIRST E: PARTS TO CONFORM F: OTHER	
REVISION HISTORY								
DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
06JUN2013	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
04JAN2015	2	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUEST	TONY YUAN	-	-	-	-

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: -

APPLICATION SPEC: -

DWN 06JUN2013 ROY LIU
CHK 06JUN2013 TOWER YU/ FRANK LIU
APVD 06JUN2013 TONY YUAN

MODEL NAME: MAGJACK SINGLE PoE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: IXI 7U26L 10/100 POE TAB UP W/ LED -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1		C-2250055	-

CUSTOMER DRAWING | SCALE 3:1 | SHEET 3 OF 3 | REV 2

xxxxx