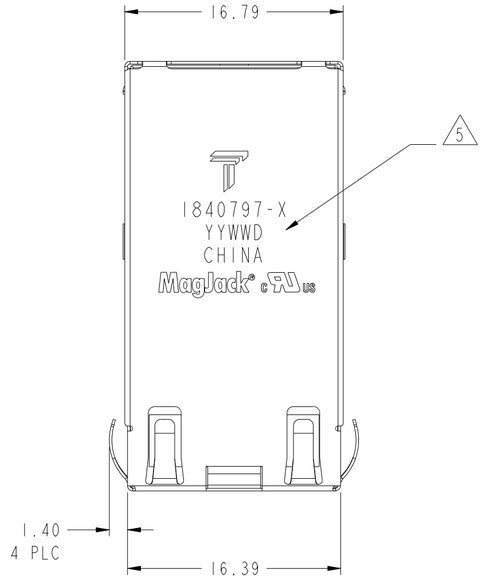
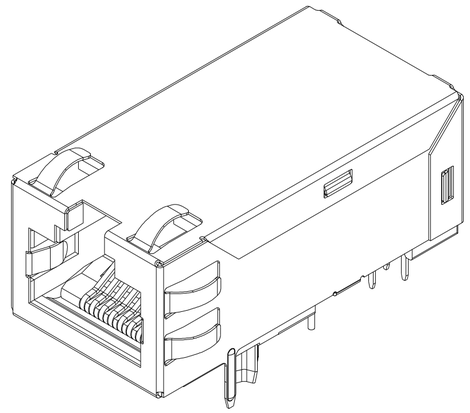
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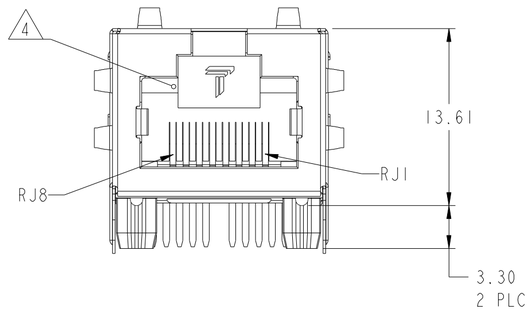
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

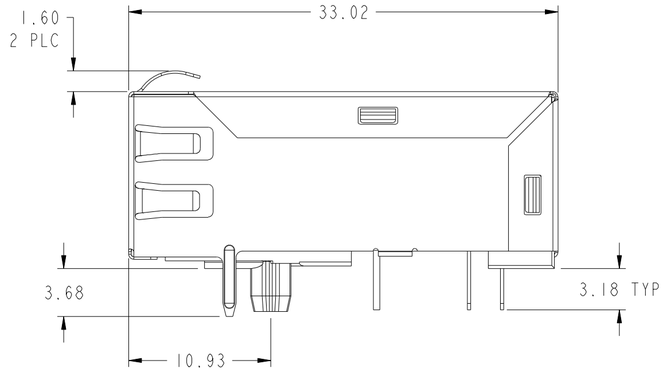
REVISIONS

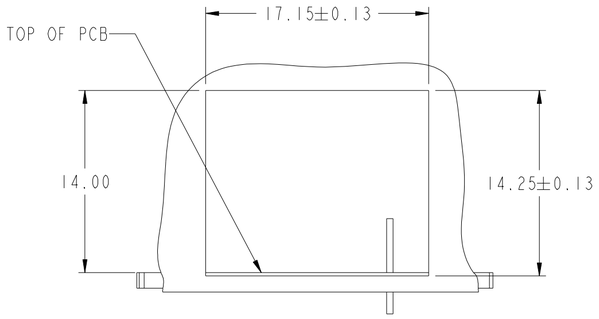
P	LTR	DESCRIPTION	DATE	DWN	APVD
	5	EC-1411035 COMPANY LOGO CHANGE	30DEC2014	DP	TY



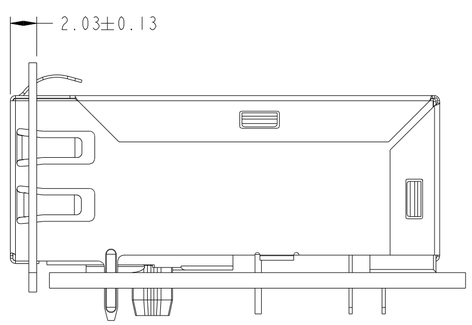








SUGGESTED PANEL CUTOUT
VS CUSTOMER BOARD



CONNECTOR ASSEMBLED
TO PANEL AND PCB

1. MATERIALS
   HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING 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, 0.46mm X0.30mm
   WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
   SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
   SOLDER TAIL: 0.25mm THICK, PHOSPHOR BRONZE, 1.27µm MIN OVERALL NICKEL
   UNDERPLATE, 3µm MIN TIN PLATE

△2 MAGNETICS
   -APPLICATION: 10/100/1000 BASE-T POE
   -IMPEDANCE: 100 OHMS
   -TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
   -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
   8mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
   -ALL FOUR PAIRS BI-DIRECTIONAL
   -PERFORMANCE @ 25°C:
   INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
   RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
   12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
   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 (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

3. OPERATING TEMPERATURE: 0°C ~ 70°C

△4 RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

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

6. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C, 10 SECONDS MAX.

1840797-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

PRODUCT SPEC: -
APPLICATION SPEC: -

DWN SUNNY HAO 13MAY2010
CHK TONY YUAN 13MAY2010
APVD KEITH ZHU 13MAY2010

MODEL NAME: MAGJACK SINGLE PoE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X1 IVG67 GIGABIT POE TAB UP W/O LED

SIZE A2 | CAGE CODE | DRAWING NO C-1840797 | RESTRICTED TO -

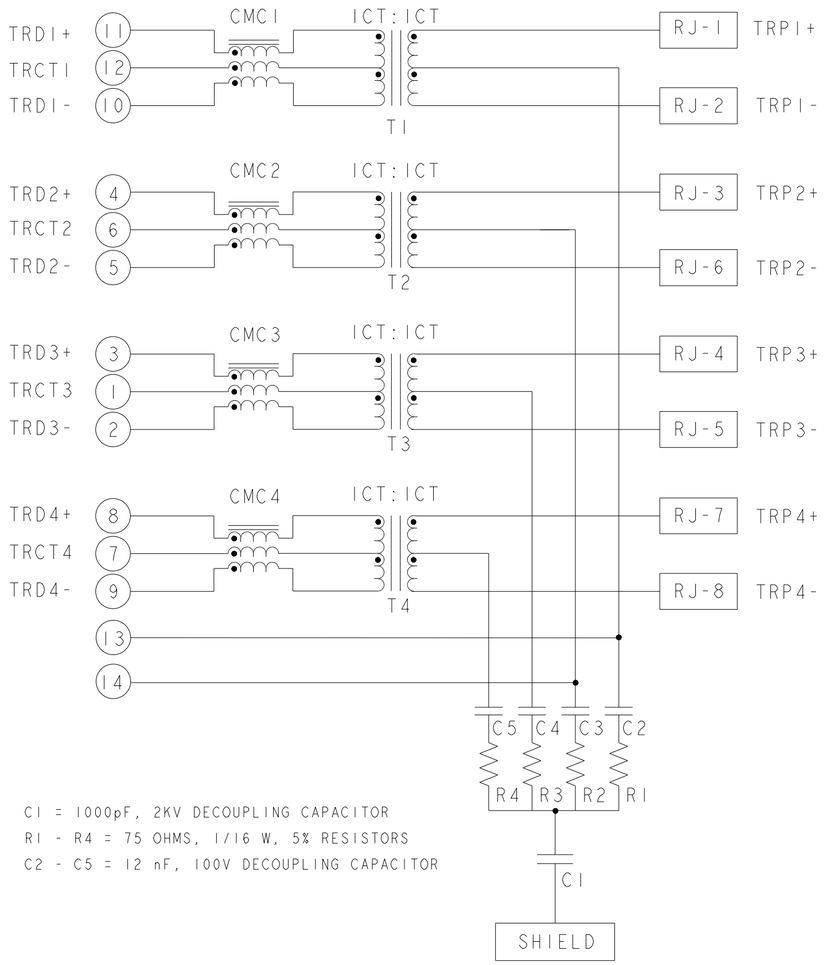
CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 3 | REV 5

xxxxx

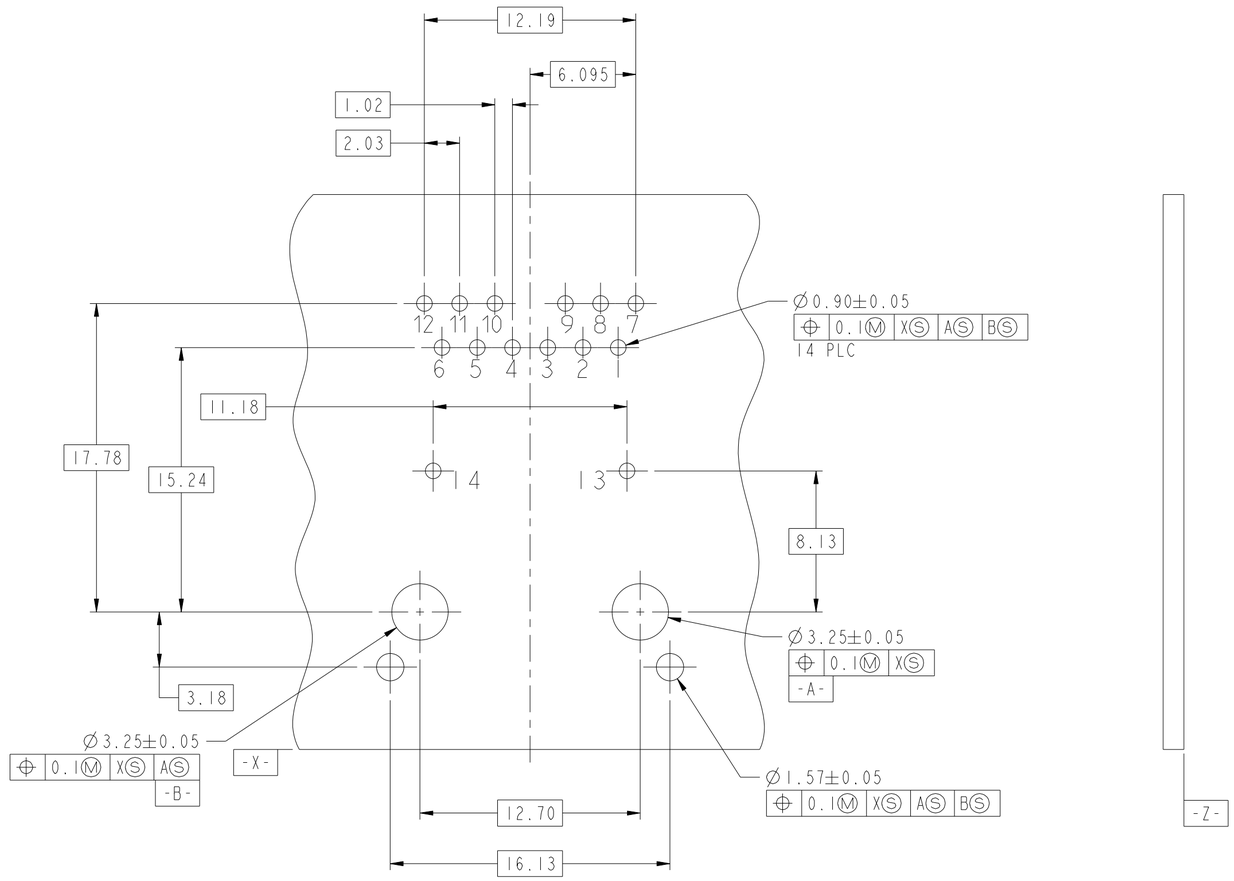
Please read our datasheet & drawing disclaimer here.

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IVG67 GIGABIT POE CIRCUIT △2



C1 = 1000pF, 2KV DECOUPLING CAPACITOR
R1 - R4 = 75 OHMS, 1/16 W, 5% RESISTORS
C2 - C5 = 12 nF, 100V DECOUPLING CAPACITOR



SUGGESTED CUSTOMER PCB
COMPONENT SIDE
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

PRODUCT SPEC: -
APPLICATION SPEC: -

DWN	SUNNY HAO	13MAY2010
CHK	TONY YUAN	13MAY2010
APVD	KEITH ZHU	13MAY2010

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE PoE

DESC: IX1 IVG67 GIGABIT POE TAB UP W/O LED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2		C-1840797	-

CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 3 | REV 5

xxxxx

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1840797					STOCK DISPOSITION			
IX1 IVG67 GIGABIT POE TAB UP W/O LED					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)
27APR2010	1	INITIAL RELEASE	INITIAL RELEASE	KZ	-	-	-	-
10MAY2010	2	CHANGE THE TOP EMI FINGER HEIGHT FROM 1.4MM TO 1.6MM	CUSTOMER REQUIREMENT	KZ	-	-	-	-
25OCT2010	3	SHEET 1, D4: CHANGE DATE CODE TO "YYWWD" SHEET 1, NOTE 5, ADD DATE CODE: YYWWD "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1.	TO TRACK THE PRODUCT MORE ACCURATE	KZ	A	A	A	A
21JUN2013	4	LOGO CHANGE	MARKET REQUIREMENT	KZ	-	-	-	-
30DEC2014	5	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUEST	TY	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±0.25
2 PLC	±0.25
3 PLC	±0.25
4 PLC	±-
ANGLES	±-

PRODUCT SPEC: -

APPLICATION SPEC: -

DWN	SUNNY HAO	13MAY2010
CHK	TONY YUAN	13MAY2010
APVD	KEITH ZHU	13MAY2010

MODEL NAME: MAGJACK SINGLE PoE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: IX1 IVG67 GIGABIT POE TAB UP W/O LED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2		C-1840797	-

CUSTOMER DRAWING | SCALE NTS | SHEET 3 OF 3 | REV 5

xxxxx