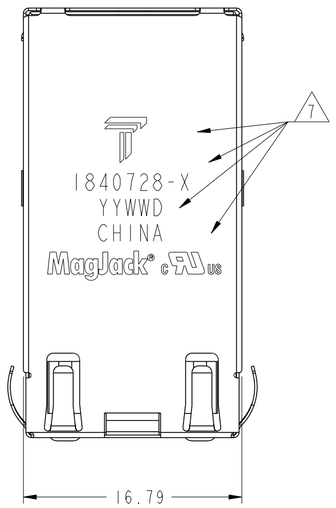
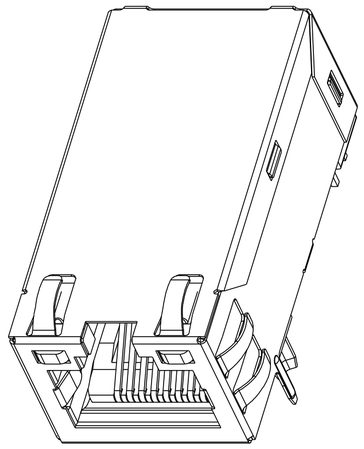
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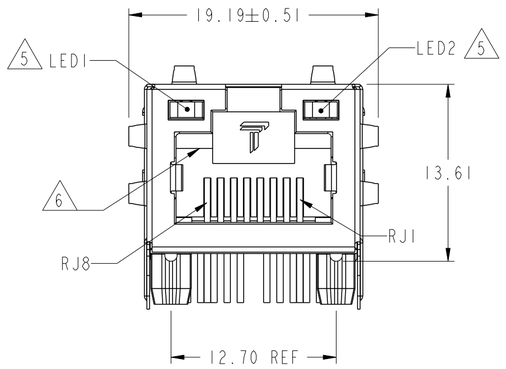
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

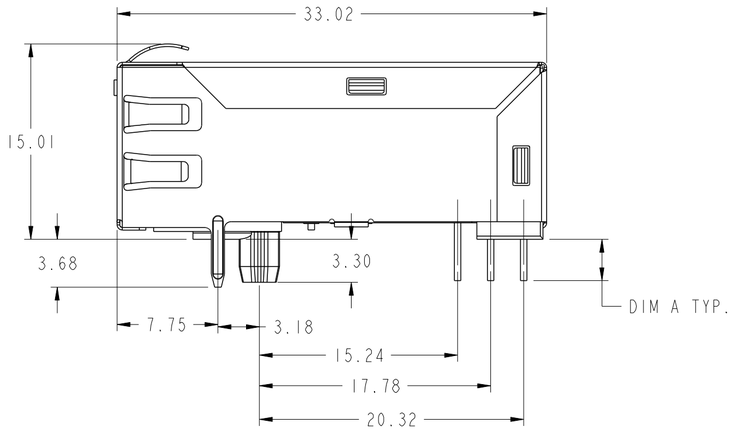
REVISIONS

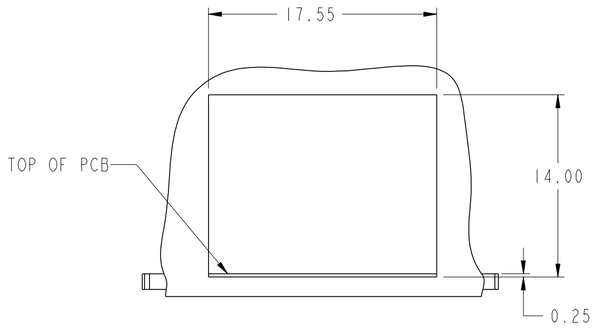
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	LOGO CHANGE	24APR2013	TY	KZ
	B	EC-1411035 COMPANY LOGO CHANGE	09JAN2015	TYR	TYN



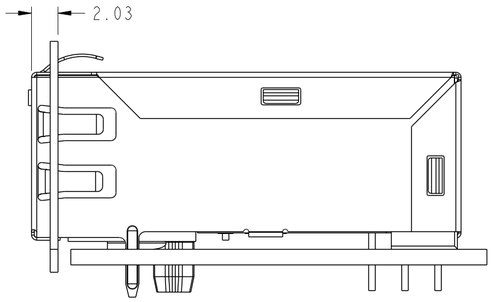








SUGGESTED PANEL CUTOUT
VS CUSTOMER BOARD



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, 0.46mmX0.30mm
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
SOLDER TAIL: COPPER CLADDED STEEL, 0.50mm SQUARE
PLATED WITH 2.54um MIN MATTE TIN
LIGHT PIPE: POLYCARBON, TRANSPARENT, RATING UL 94V-0
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,
TIP TIN DIPPING

△2 MAGNETICS
-APPLICATION: 10/100/1000 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC 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: 2250 VDC FOR 60 SECONDS DURATION FOR 1840728-6,
1840728-7,1-1840728-3,1-1840728-5
-ISOLATION VOLTAGE: 1500 VAC(RMS) AT 50 Hz TO 60 Hz FOR 60 SECONDS DURATION
FOR 1840728-5,1840728-9

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

4. OPERATING TEMPERATURE: 0°C TO 70°C

△5 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. at IF=20mA

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

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

8. THESE PARTS ARE 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.

DIM A	LED1	LED2	PART NUMBER
3.56	YELLOW/GREEN	GREEN	1-1840728-5
3.18	GREEN/ORANGE	YELLOW	1-1840728-3
3.18	YELLOW	GREEN	1840728-9
3.18	GREEN	GREEN	1840728-7
3.18	YELLOW/GREEN	YELLOW/GREEN	1840728-6
3.18	YELLOW/GREEN	GREEN	1840728-5

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: 108-2100
APPLICATION SPEC: -

DWN JALU XU 20OCT2006
CHK KEITH ZHU 20OCT2006
APVD TEDDY XIONG 20OCT2006

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE NON-POE

DESC: 1X1 1G41 GIGABIT TAB UP W/ LED

SIZE A2 | CAGE CODE | DRAWING NO C-1840728 | RESTRICTED TO -

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

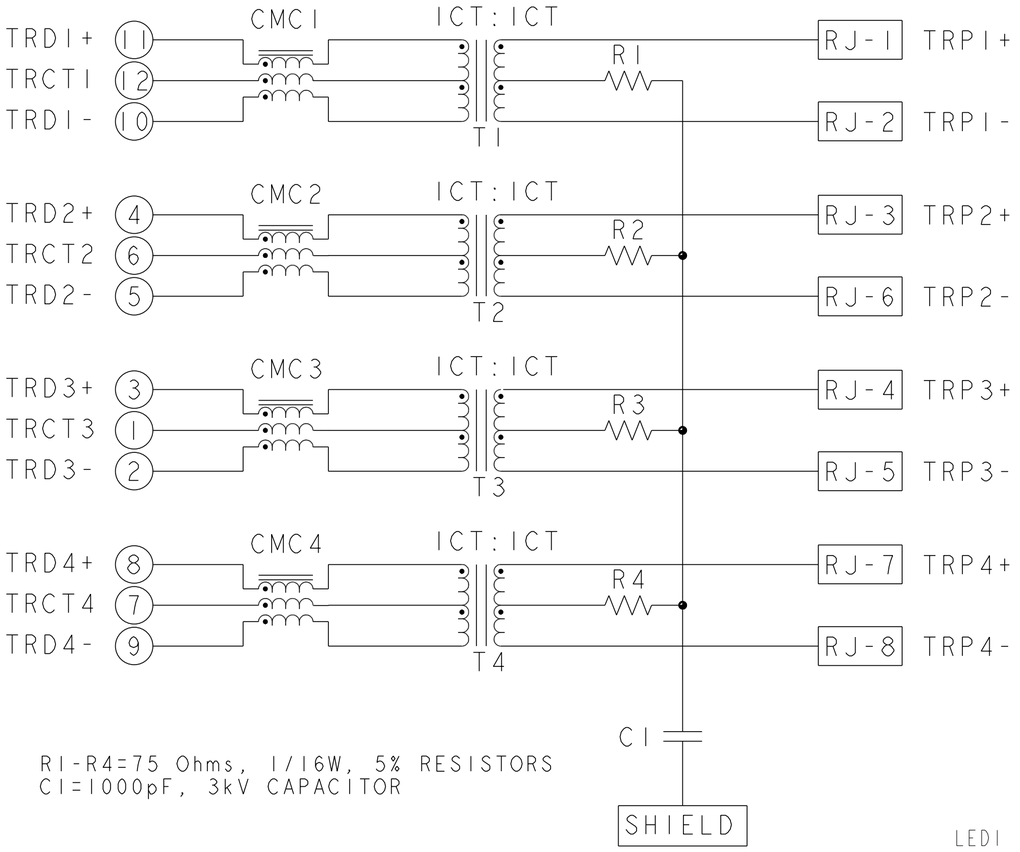
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Please read our datasheet & drawing disclaimer here.

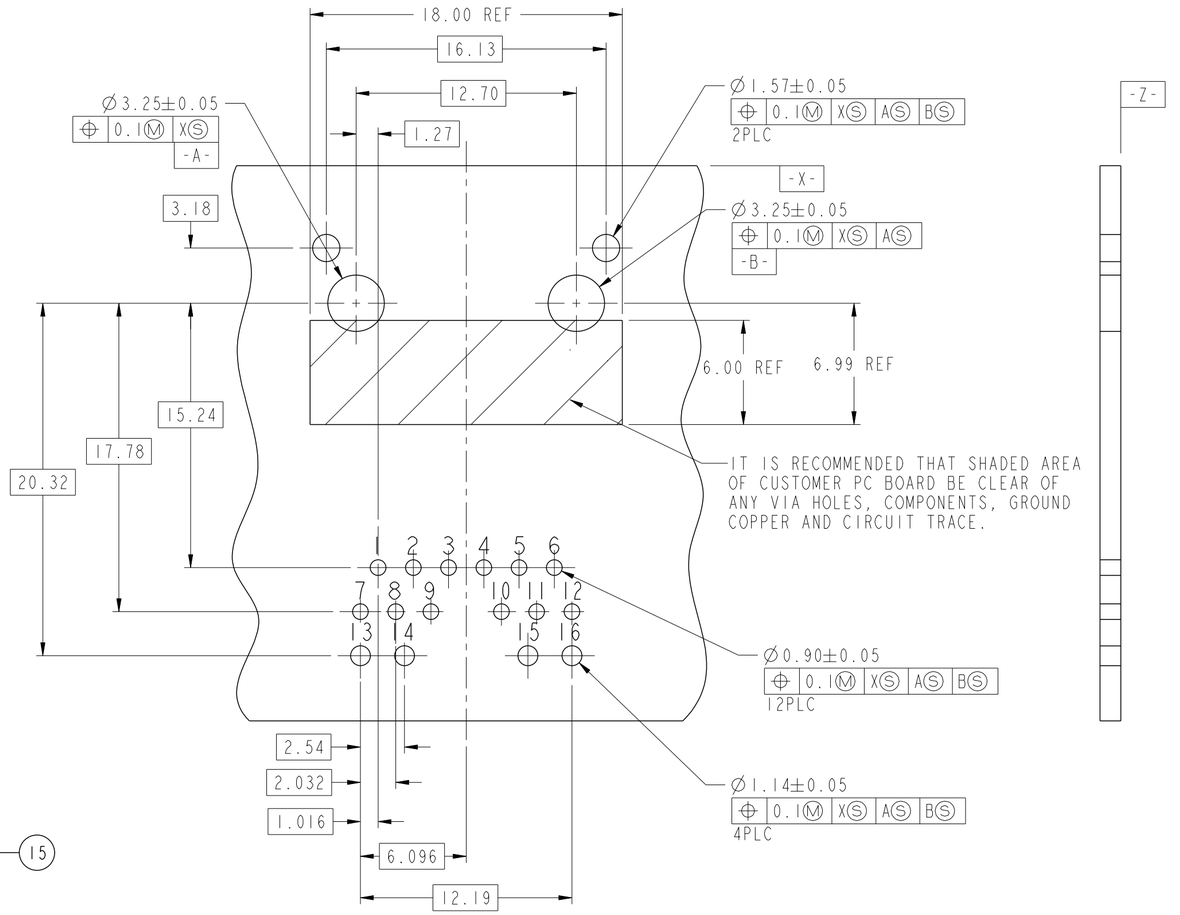
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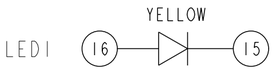
IG41 GIGABIT CIRCUIT △2△3

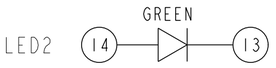


R1-R4=75 Ohms, 1/16W, 5% RESISTORS
C1=1000pF, 3kV CAPACITOR

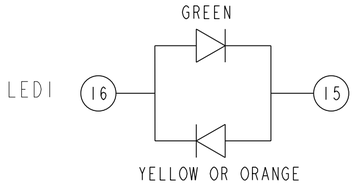


SUGGESTED CUSTOMER PCB
COMPONENT SIDE
SCALE 2:1

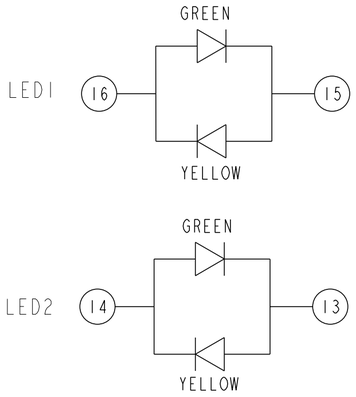




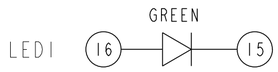
LED CONFIGURATION
FOR 1840728-9 ONLY

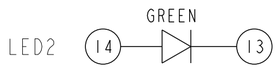


LED CONFIGURATION
FOR 1-1840728-3
1840728-5
1-1840728-5



LED CONFIGURATION
FOR 1840728-6 ONLY





LED CONFIGURATION
FOR 1840728-7 ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JALU XU 20OCT2006	trp CONNECTOR a bel group — DONGGUAN CHINA
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±- ANGLES ±-	CHK KEITH ZHU 20OCT2006	
		APVD TEDDY XIONG 20OCT2006	
PRODUCT SPEC 108-2100	APPLICATION SPEC -	MODEL NAME MAGJACK SINGLE NON-POE	DESC IX1 IG41 GIGABIT TAB UP W/ LED
		SIZE A2 / CAGE CODE / DRAWING NO C-1840728 / RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 2:1 / SHEET 2 OF 2 / REV B	

xxxxx

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