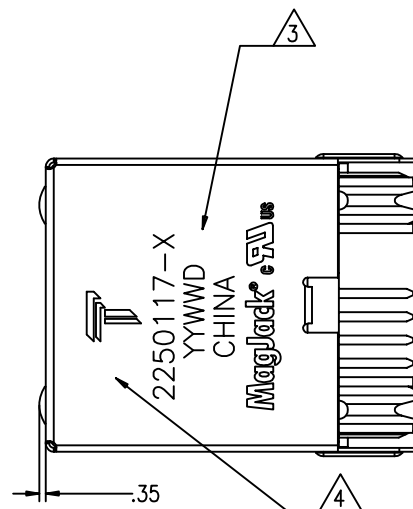
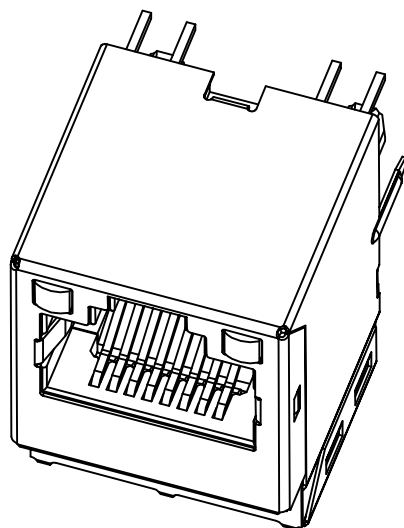


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
2		EC-1411035, COMPANY LOGO CHANGE	19DEC2014	JC	TY

**1 MATERIALS:**

PLASTIC HOUSING: BLACK,THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE WITH
SELECT 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um
MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMP PCB, TG>170°C
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, EXTENDED TEMPERATURE, 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 -40°C TO +85°C
120uH MIN @100kHz,0.1VRMS, 19mADC BIAS
FROM -40°C TO +85°C

POE CURRENT: 600mADC 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

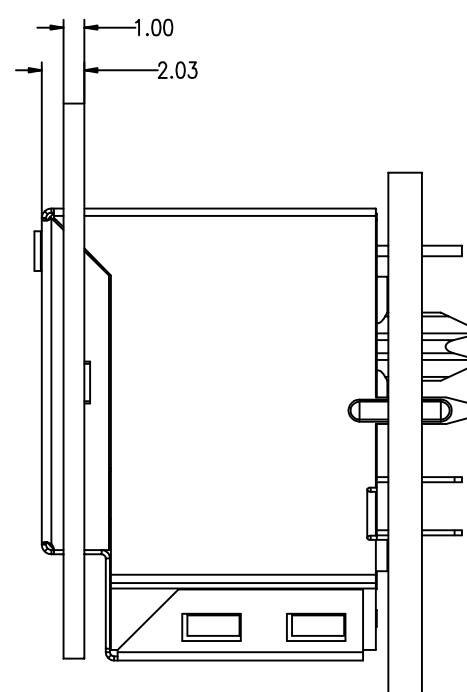
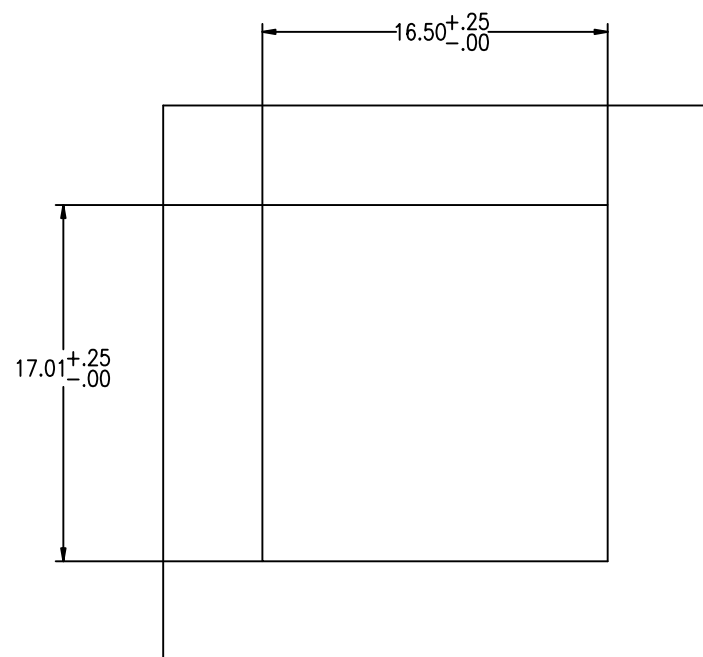
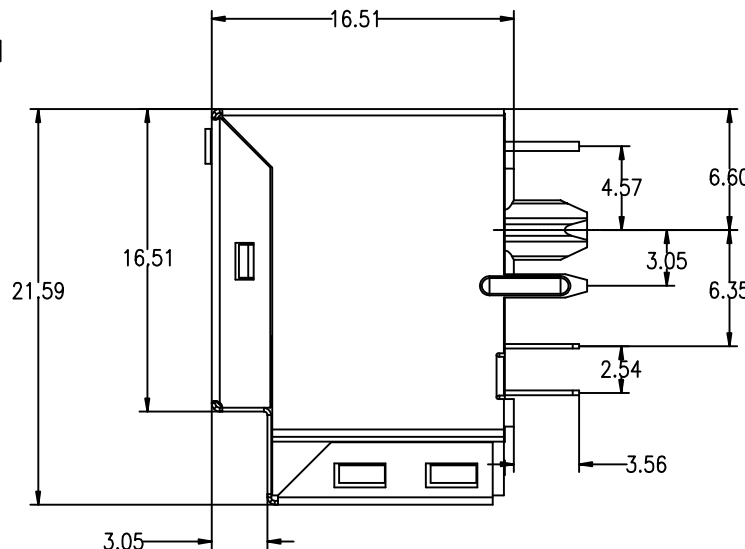
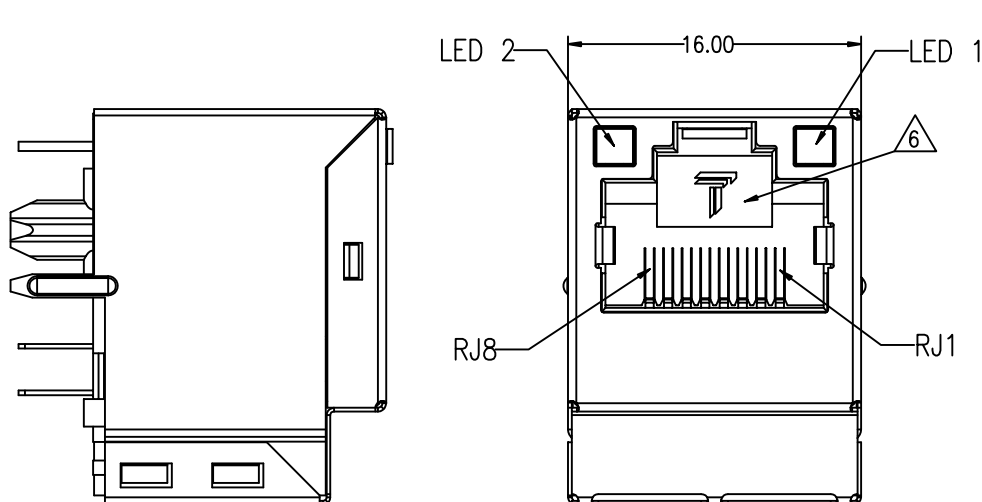
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz

ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3af 2003, PARA 33.4.1, ITEM a.

3 PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN APPROXIMATE AREA SHOWN.**4 TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO, TO BE LOCATED IN APPROXIMATE AREA SHOWN.****5. OPERATING TEMP: FROM -40°C TO +85 °C****6 RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.****7 THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260° C MAX.10 SECONDS MAX.****8. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.**

DOMINANT WAVELENGTH{λD}
GREEN 568nm TYP.at IF=20mA
YELLOW 588nm TYP.at IF=20mA

FORWARD VOLTAGE{VF}:
GREEN 2.2V TYP.at IF=20mA
YELLOW 2.1V TYP.at IF=20mA



YELLOW	GREEN	2250117-3
LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JAMISON CHEN 06SEP2013	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK QUENTIU LIU 06SEP2013				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN 06SEP2013				
0 PLC - 1 PLC - 2 PLC ±0.25 3 PLC - 4 PLC - ANGLES -		MODEL NAME				
PRODUCT SPEC		MAGJACK SINGLE PoE PLUS		DESC 1X1 MAGJACK 10/100 PoE PLUS CIRCUIT, VERTICAL,W/ LED	RESTRICTED TO	
APPLICATION SPEC		SIZE A2	CAGE CODE	DRAWING NO C=2250117	REV 2	
CUSTOMER DRAWING				SCALE NTS	SHEET 1 OF 2	REV 2

