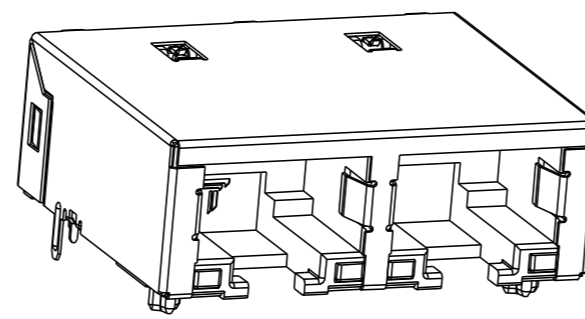
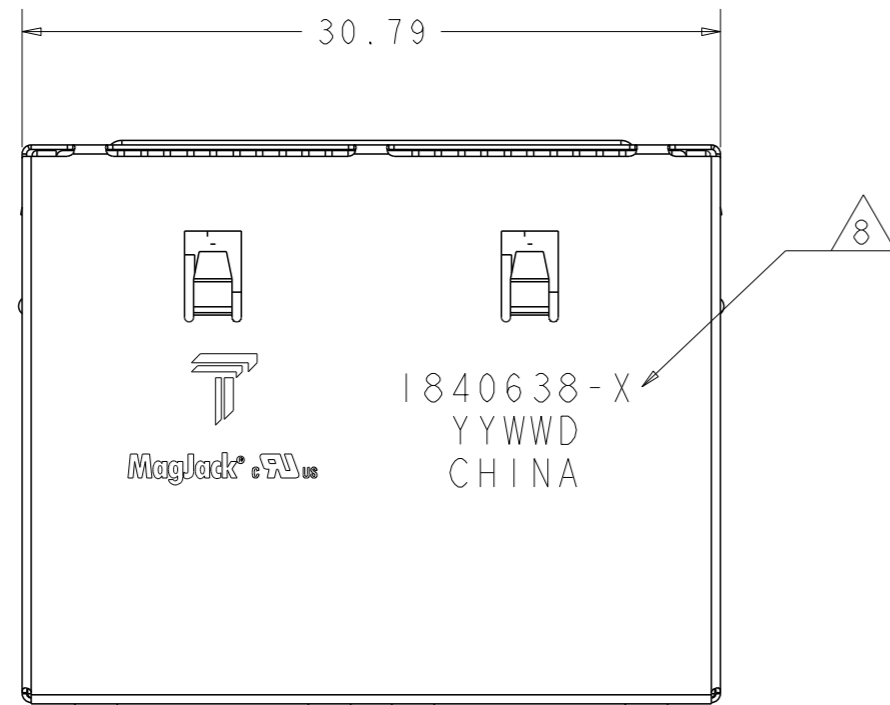


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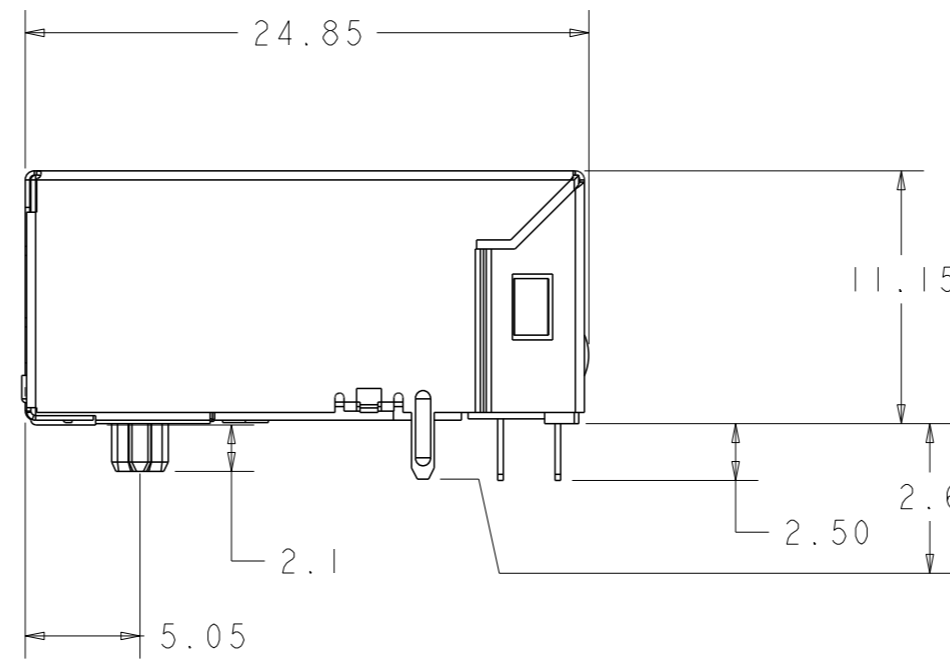
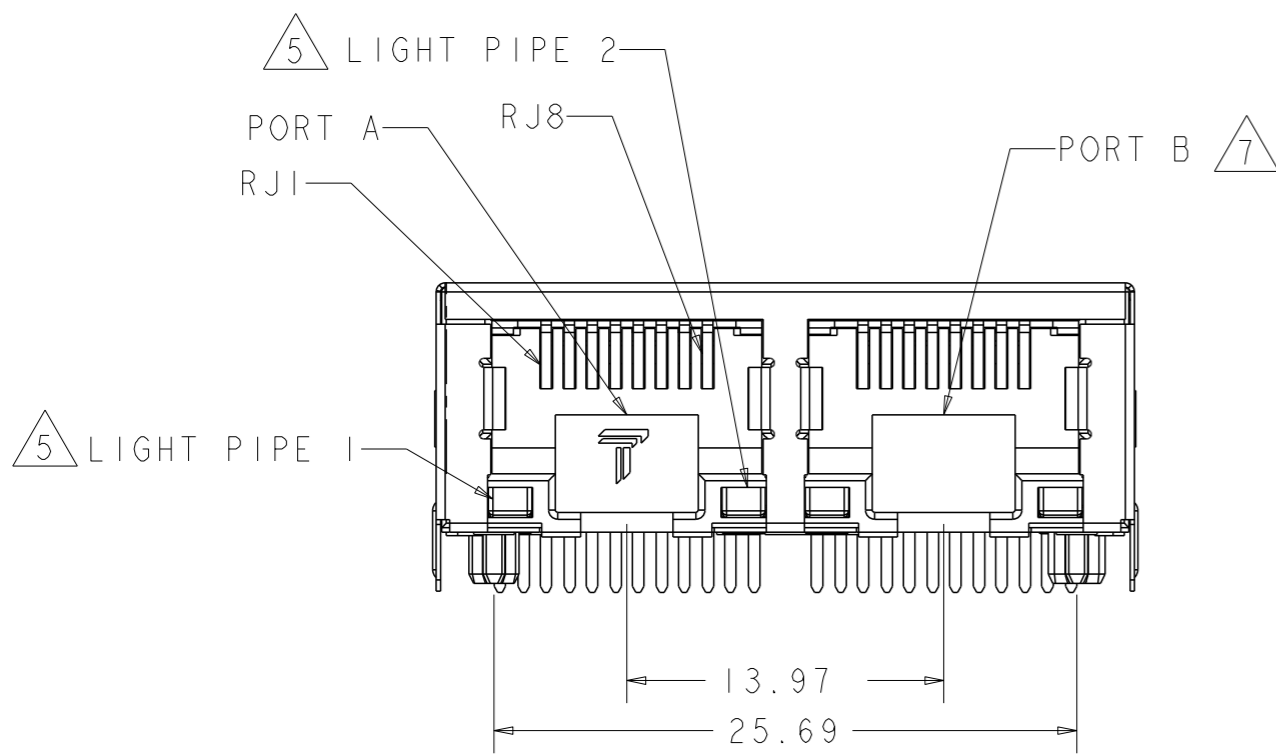
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
2		LOGO CHANGE	28APR2013	TY KZ
3		SEE LAST SHEET	15JAN2015	TYR TYN



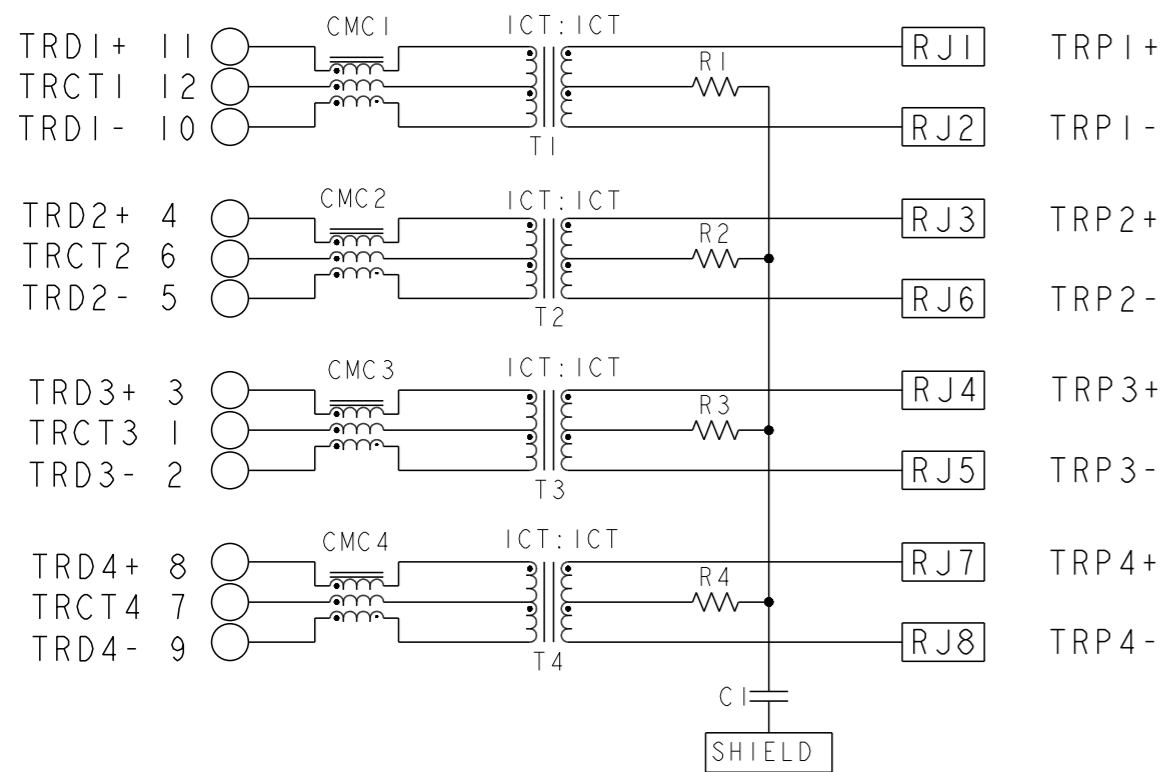
SCALE 2:1

- MATERIALS:
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
 SHIELD: BRASS, THICKNESS = 0.2mm, PREPLATED WITH MIN 0.76 μ m SEMI-BRIGHT NICKEL, POST DIPPED WITH 2.54 μ m MIN LEAD FREE SOLDER AT GROUND PINS
 CONTACT: PHOSPHOR BRONZE, 0.25mm THICK, 0.46mm WIDE, PREPLATED WITH 1.27 μ m MIN NICKEL OVERALL UNDERPLATE AND SELECTIVE 1.27 μ m MIN GOLD PLATED ON MATING INTERFACE
 CONTACT TAIL: PHOSPHOR BRONZE, 0.3mm THICK, WITH 1.27 μ m MIN NICKEL OVERALL UNDERPLATE AND 2.54 μ m MIN MATTE TIN OVERALL PLATED
 LIGHT PIPE: POLYETHER SULFONE, TRANSPARENT, RATING UL 94V-0
- MAGNETIC:
 APPLICATIONS: 10/100/1000 BASE-T, EXTENDED TEMPERATURE
 IMPEDANCE: 100 OHMS
 TURNS RATIO (CHIP:CABLE): 1:1 ALL 4 PAIRS
 OPEN CIRCUIT INDUCTANCE(OCL): 350 μ H MIN @ 100kHz, 0.1VRMS 8mA DC BIAS, FROM -40°C TO 85°C. ALL 4 PAIRS

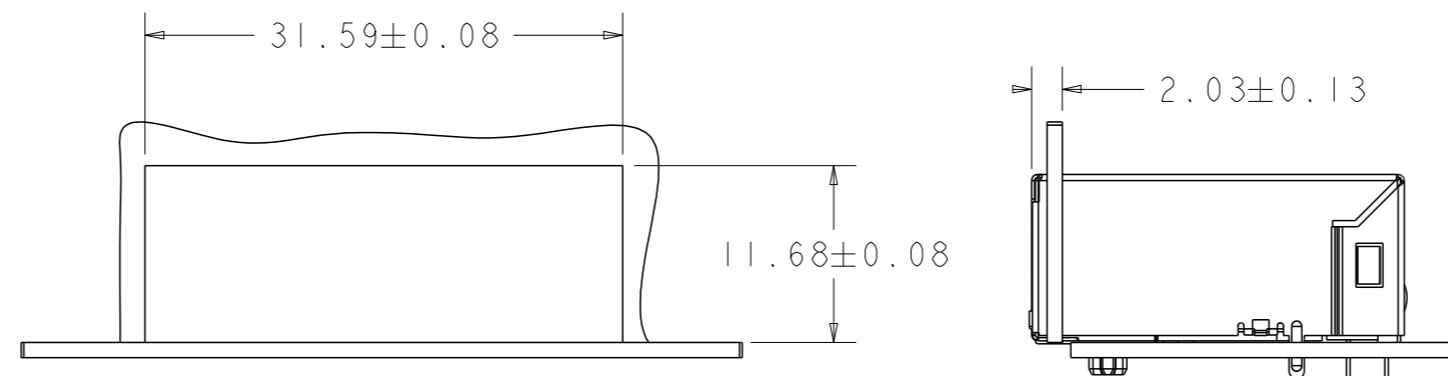


- ALL 4 PAIRS ARE BI-DIRECTIONAL.
 PERFORMANCE @ 25 °C:
 INSERTION LOSS(IL): 1.1dB MAX FROM 0.5M Hz TO 100M Hz.
 RETURN LOSS(RL): 18dB MIN FROM 0.5MHz TO 40MHz.
 12-20LOG(f/80) MIN FROM 40.1MHz TO 100MHz.
 CROSS TALK ATTENUATION : 35 dB MIN FROM 0.5MHz TO 40MHz.
 33- 20LOG(f/50)dB MIN FORM 40.1MHz TO 100MHz.
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100 MHz
 ISOLATION VOLTAGE:
 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED
- THE MAGNETIC CIRCUIT IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.
 - OPERATING TEMPERATURE: FROM -40°C TO 85°C.
 - LIGHT PIPES PROVIDED TO GUIDE LIGHT FROM SURFACE MOUNT LEDS LOCATED ON CUSTOMER PC BOARD. RECOMMENDED LEDS ARE:
 LED 1 EVERLIGHT 27-21UYC-S530-XX-TR8 OR EQUIVALENT
 LED 2 EVERLIGHT 12-22SURS YGC/S530-A3/E2/TR8 OR EQUIVALENT.
 - ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.
 - RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
 - TRP CONNECTOR LOGO, PART NO., DATE CODE, COUNTRY OF ORIGIN ARE TO BE MARKED AT APPROXIMATE LOCATION. DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
 - DIMENSION A AND DIMENSION B TO BE ESTABLISHED BY CUSTOMER. THESE DIMENSIONS SHOULD CONSIDER THE PROCESS TOLERANCES FOR THE CUSTOMER PCB TO ENSURE THAT LEDs ARE OPTIMALLY POSITIONED NEAR THE LIGHTPIPES. LED POSITION THAT DOES NOT FOLLOW THE RECOMMENDED POSITIONING MAY CAUSE MECHANICAL INTERFERENCE BETWEEN LED AND LIGHTPIPE OR IT MAY DEGRADE ILLUMINATION THROUGH THE LIGHTPIPE.
 - THE PART IS COMPLIANT WITH BOTH WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 150°C ABOVE, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 265°C MAX, 10 SECONDS MAX; AND IR REFLOW SOLDERING PROESS, PEAK SOLDERING TEMPERATURE 260°C MAX DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS.

8G4IET GIGABIT CIRCUIT




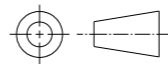
C1=1000 pF, 3kV, DECOUPLING CAP
 R1-R4=75 OHM, RESISTOR



SUGGESTED PANEL OPENING
 SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN PAUL P/FRANK L 27MAR2012	 trp CONNECTOR a bel group DONGGUAN CHINA	DESC IX2 8G4IET GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHTPIPE
DIMENSIONS: mm		CHK QUENTIN LIU 27MAR2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 27MAR2012		
0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC		MODEL NAME MAGJACK GANG NON-POE		
PRODUCT SPEC		SIZE A2		RESTRICTED TO
		CAGE CODE		
		DRAWING NO C-1840638		
		CUSTOMER DRAWING		SCALE 3:1 SHEET 1 OF 3 REV 3

1840638					STOCK DISPOSITION			
IX2 MAG45 MODULAR JACK 8G41ET GIGABIT CIRCUIT,TAB DOWN WITH LED LIGHTPIPE					A: CONTINUE AS IS		D: USE OLD FIRST	
REVISION HISTORY					B: REWORK		E: PARTS TO CONFORM	
					C: SCRAP		F: OTHER	
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)
27MAR2012	1	INITIAL RELEASE	INITIAL RELEASE	KZ	-	-	-	-
02APR2012	2	SHEET 2, B2 ZONE: ADD A LED SHOW	CLARIFY DRAWING	KZ	-	-	-	-
15JAN2015	3	04SEP2014 PER CUSTOMER REQUEST: SHEET 1, A4: ADD SUGGESTED PANEL OPENING VIEWS EC-1411035 COMPANY LOGO CHANGE	CLARIFY DRAWING	TYN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN PAUL P/FRANK L 27MAR2012	 trp CONNECTOR a bel group	DONGGUAN CHINA		
DIMENSIONS: mm		CHK QUENTIN LIU 27MAR2012		DESC IX2 8G41ET GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHTPIPE		
		APVD KEITH ZHU 27MAR2012		SIZE A2	CAGE CODE C-1840638	RESTRICTED TO -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC		MODEL NAME MAGJACK GANG NON-POE	SCALE 3:1 SHEET 3 OF 3 REV 3			
PRODUCT SPEC -		CUSTOMER DRAWING				