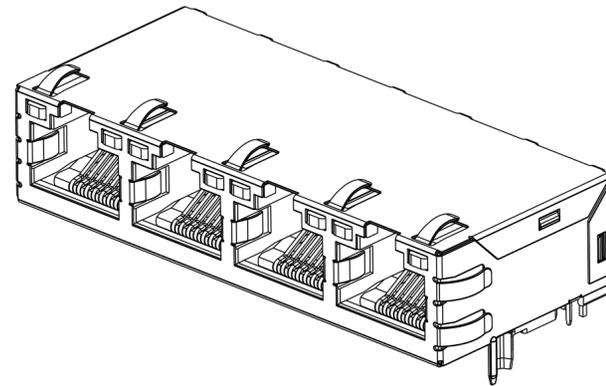
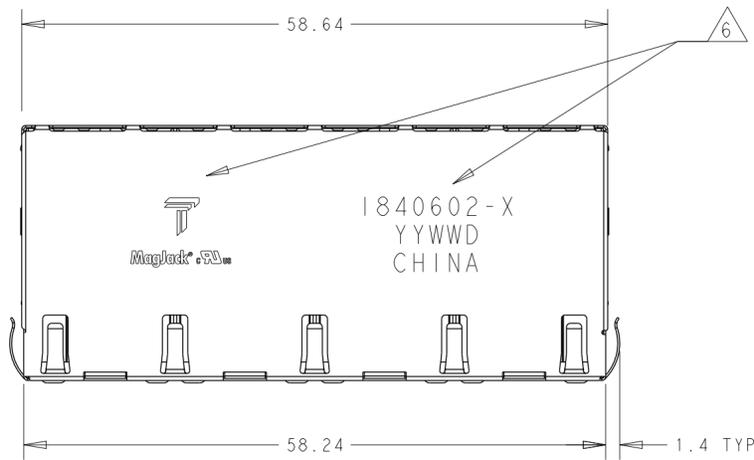


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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
5		SEE LAST SHEET	20JAN2015	RL TY



- MATERIAL
 HOUSING: THERMOPLASTIC BLACK, FLAMMABILITY RATING UL 94V-0
 SHIELD: 0.20mm THICK, BRASS
 PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
 POST-DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
 CONTACT TAILS: PHOSPHOR BRONZE,
 WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
 SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
 SOLDER TAIL: 0.25mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
 UNDERPLATE, 3um MIN TIN PLATE.

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

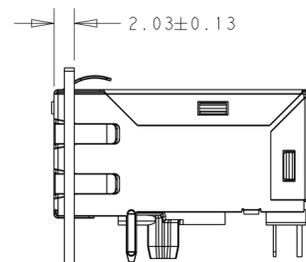
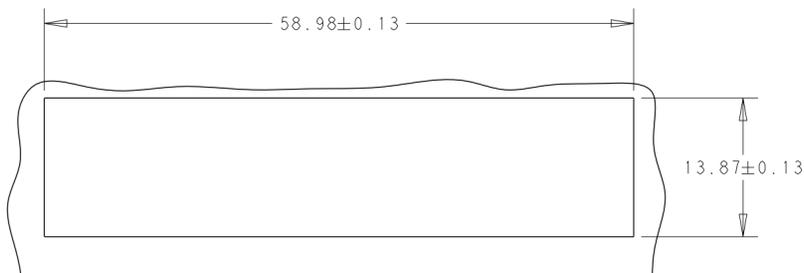
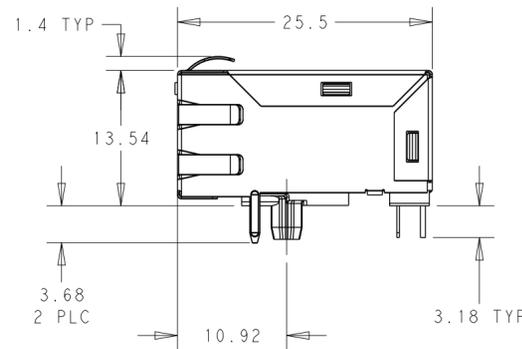
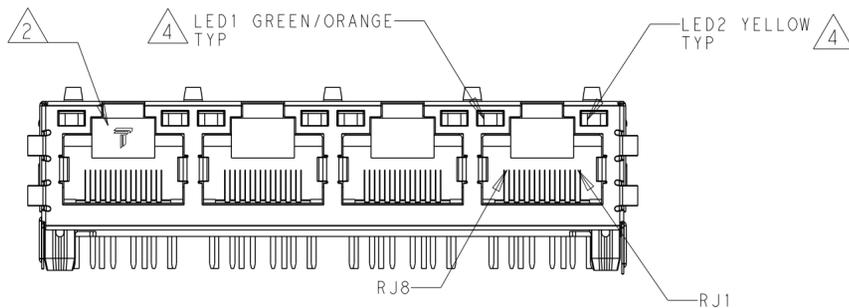
- MAGNETICS
 -APPLICATION: 10/100 BASE-T.
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (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 (MAX) FOR 60 SECONDS WITH A RISE TIME
 OF 500V/SEC AND WITH ALL PORTS CONNECTED.

- LED IS DRIVEN WITH CONSTANT CURRENT APPROX 20 mA
 DOMINANT WAVE LENGTH(λD): GREEN 568 nm TYP. AT IF=20 mA
 FORWARD VOLTAGE(VF): GREEN 2.2V AT IF=20 mA
 DOMINANT WAVE LENGTH(λD): YELLOW 588 nm TYP. AT IF=20 mA
 FORWARD VOLTAGE(VF): YELLOW 2.2V AT IF=20 mA
 DOMINANT WAVE LENGTH(λD): ORANGE 608 nm TYP. AT IF=20 mA
 FORWARD VOLTAGE(VF): ORANGE 2.2V AT IF=20 mA

5. OPERATING TEMPERATURE: 0°C TO 70°C

- TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, PLACE OF ORIGIN TO BE MARKED IN APPROXIMATE LOCATION AS SHOWN.
 DATE CODE: YYWD "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK,
 WITH SUNDAY=1.

7. THE PART IS 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.



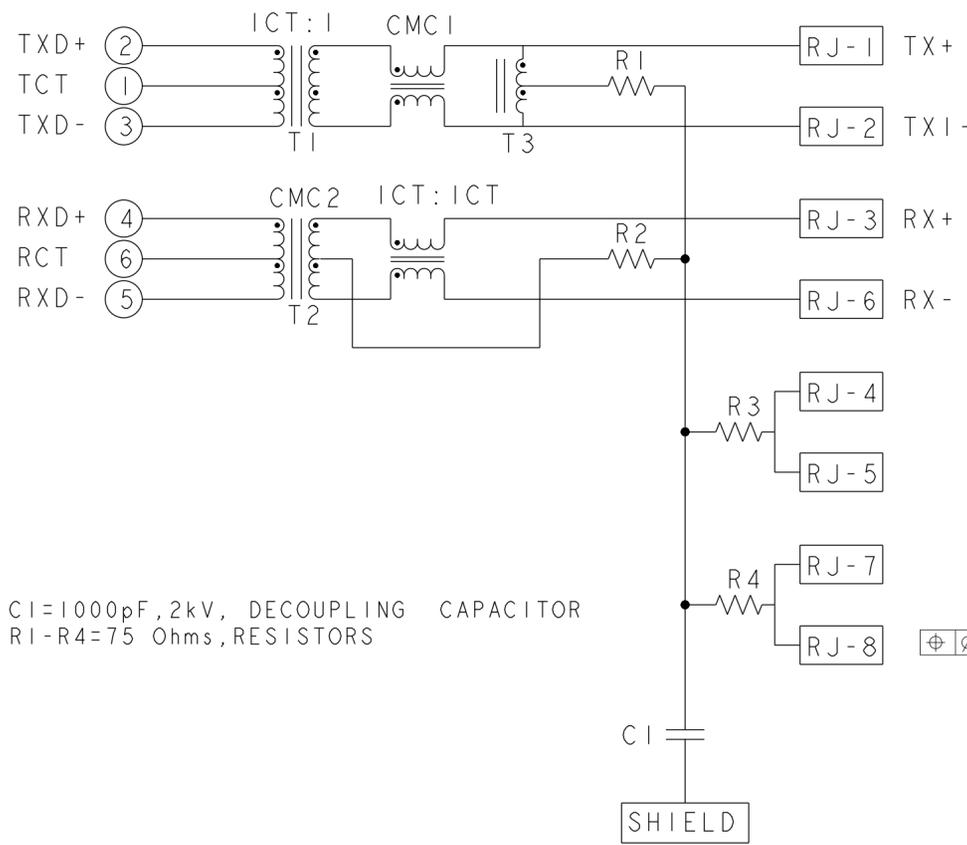
SUGGESTED PANEL CUTOUT

CONNECTOR ASSEMBLED TO PANEL AND PCB

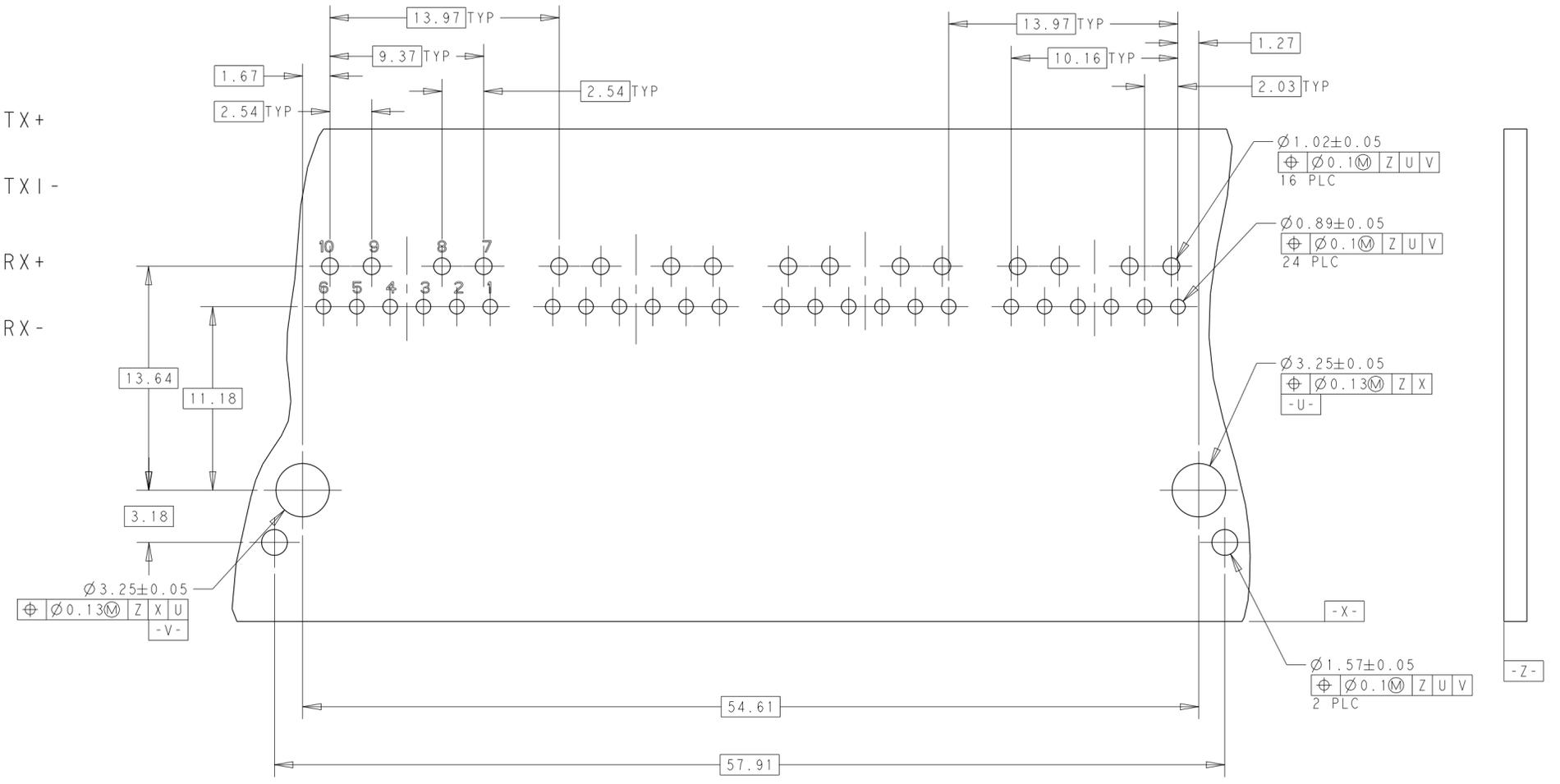
GREEN/ORANGE	YELLOW	1840602-1
LED1 4	LED2 4	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU / EVAN MA 21 JUN 2010	trp CONNECTOR a bel group DONGGUAN CHINA		
DIMENSIONS: mm		CHK TOWER YU 21 JUN 2010			
		APVD KEITH ZHU 21 JUN 2010	DESC 1X4 714P12 10/100 TAB UP W/ LED		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±		MODEL NAME MAGJACK GANG NON-POE	SIZE A2	CAGE CODE C-1840602	RESTRICTED TO -
PRODUCT SPEC 108-104004		APPLICATION SPEC -	CUSTOMER DRAWING SCALE NTS SHEET 1 OF 3 REV 5		

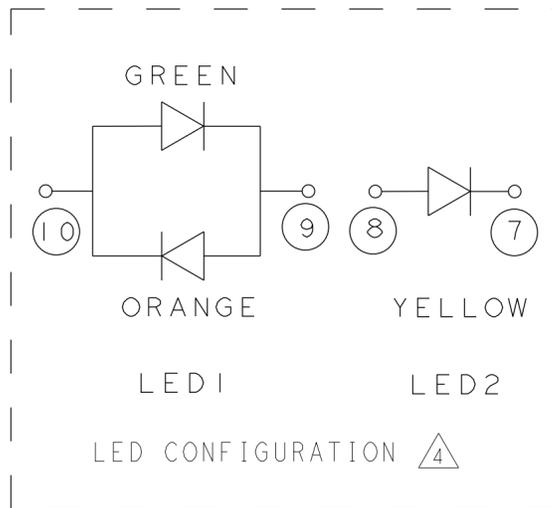
714P12 10/100 BASE-T CIRCUIT Δ

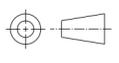


C1=1000pF, 2kV, DECOUPLING CAPACITOR
R1-R4=75 Ohms, RESISTORS

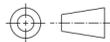


RECOMMENDED PCB LAYOUT
COMPONENT SIDE VIEW



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU / EVAN MA 21 JUN 2010	 DONGGUAN CHINA
DIMENSIONS: mm		CHK TOWER YU 21 JUN 2010	
		APVD KEITH ZHU 21 JUN 2010	
PRODUCT SPEC 108-104004		MODEL NAME MAGJACK GANG NON-POE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±		DESC 1X4 714P12 10/100 TAB UP W/ LED	RESTRICTED TO -
APPLICATION SPEC -		SIZE A2	DRAWING NO C-1840602
		CUSTOMER DRAWING	
		SCALE NTS	SHEET 2 OF 3
		REV 5	

1840602_C						STOCK DISPOSITION			
REVISION HISTORY						A: CONTINUE AS IS D: USE OLD FIRST 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)	
21JUN10	1		INITIAL RELEASE	KEITH ZHU	-	-	-	-	
05JUL10	2	ARRANGE THE DEPTH DIMENSION FROM 26mm TO25.5mm	PRODUCT IMPROVEMENT	KEITH ZHU	-	-	-	-	
25OCT10	3	SHEET 1, D7 : CHANGE DATE CODE TO "YYWWD". SHEET 1, NOTE 6, 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	KEITH ZHU	-	-	-	-	
07APR2013	4	LOGO CHANGE	MARKET REQUIREMENT	KEITH ZHU	-	-	-	-	
20JAN2015	5	EC-1411035 COMPANY LOGO CHANGE	MARKET REQUIREMENT	TONY YUAN	-	-	-	-	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ROY LIU / EVAN MA 21 JUN 2010	 trp CONNECTOR a bel group	DONGGUAN CHINA		
DIMENSIONS: mm		CHK TOWER YU 21 JUN 2010		DESC 1X4 714P12 10/100 TAB UP W/ LED		
		APVD KEITH ZHU 21 JUN 2010		SIZE A2	CAGE CODE C-1840602	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 NTS	SHEET 3	OF 3	
PRODUCT SPEC 108-104004		CUSTOMER DRAWING		REV 5		