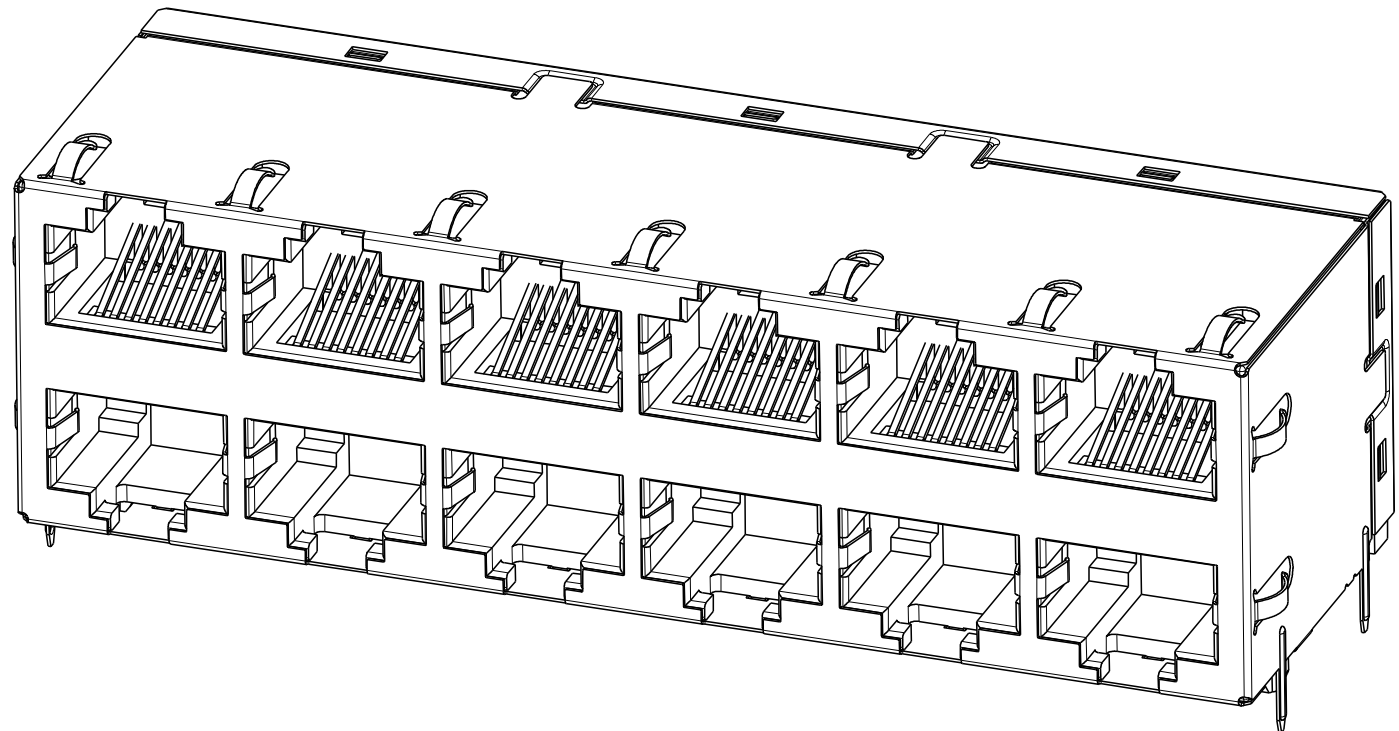


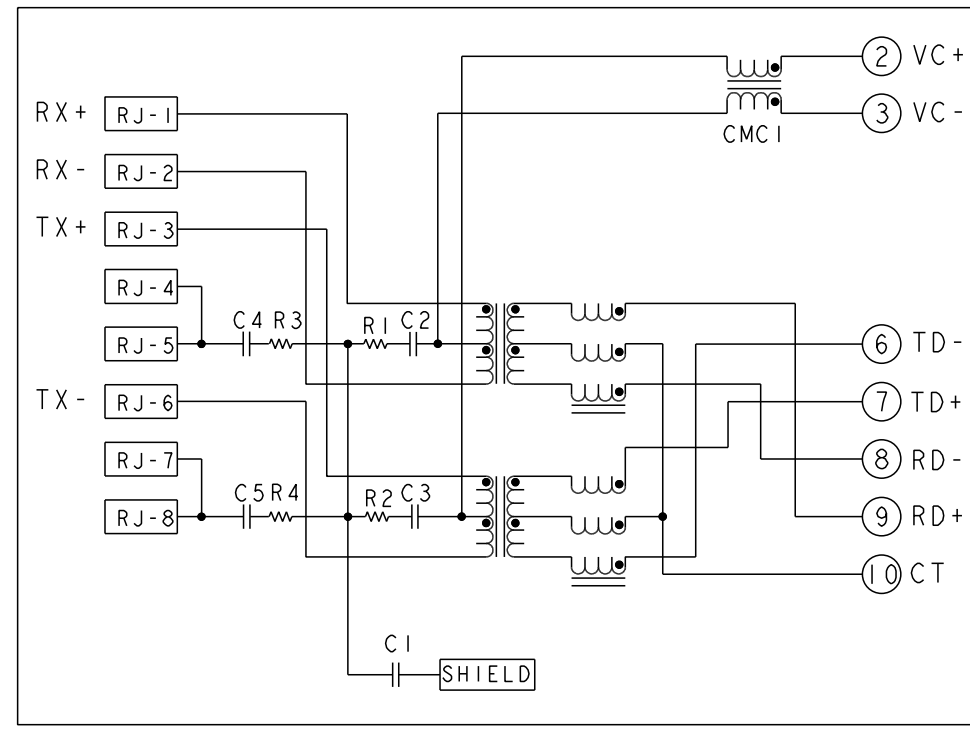
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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

REVISONS				
#	LYR	DESCRIPTION	DATE	OWN APVD
D		EC-1411035 COMPANY LOGO CHANGE	11FEB2015	TR TY

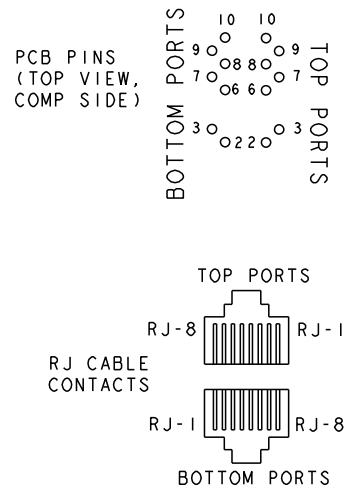


S8H21 10/100 BASE-T POE + CIRCUIT



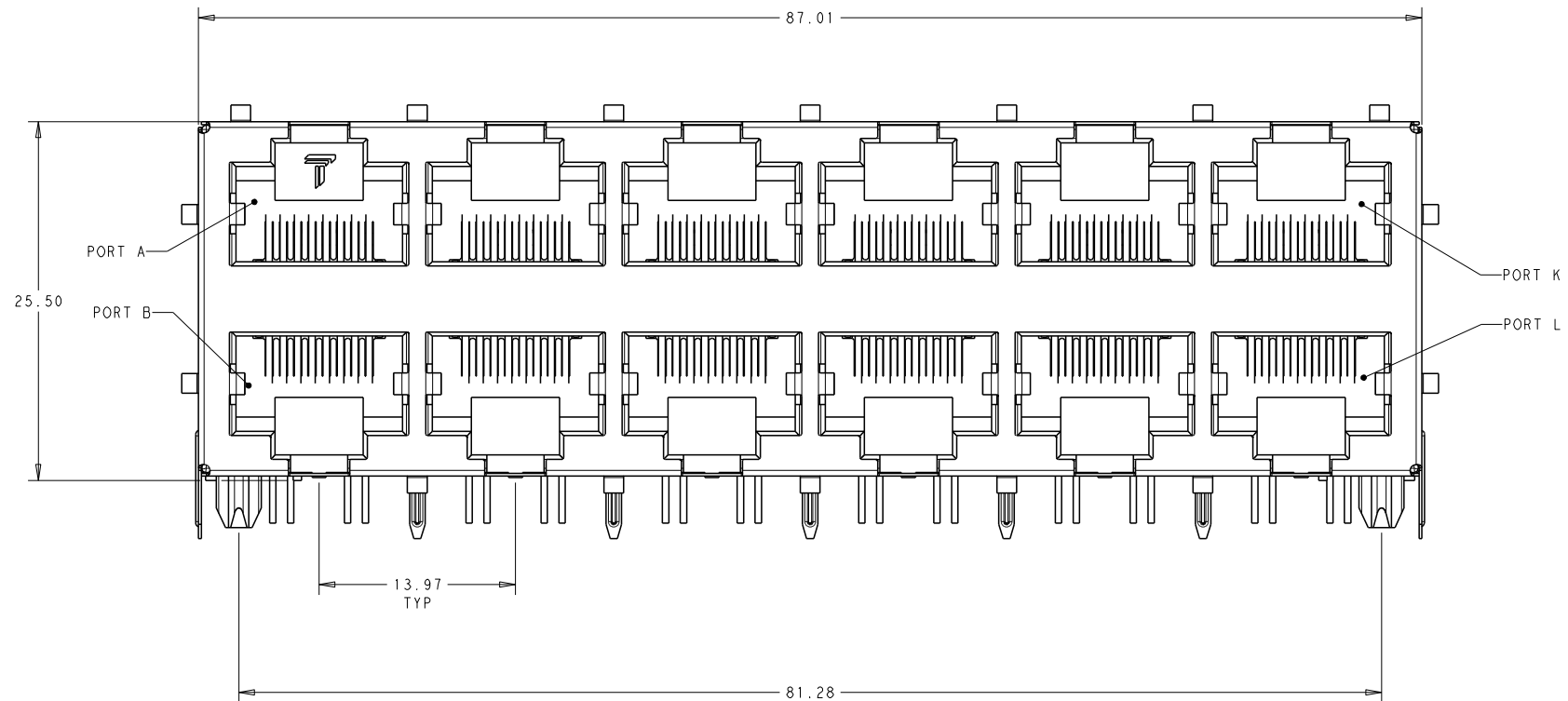
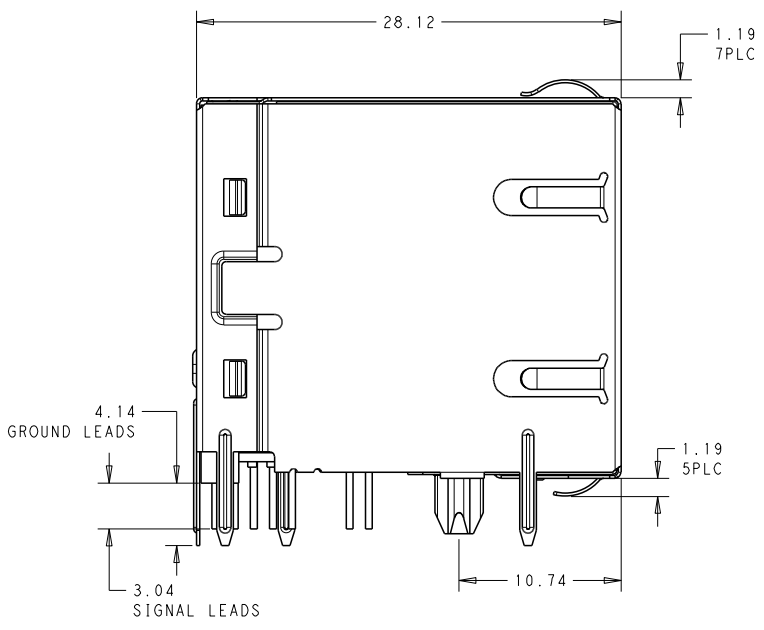
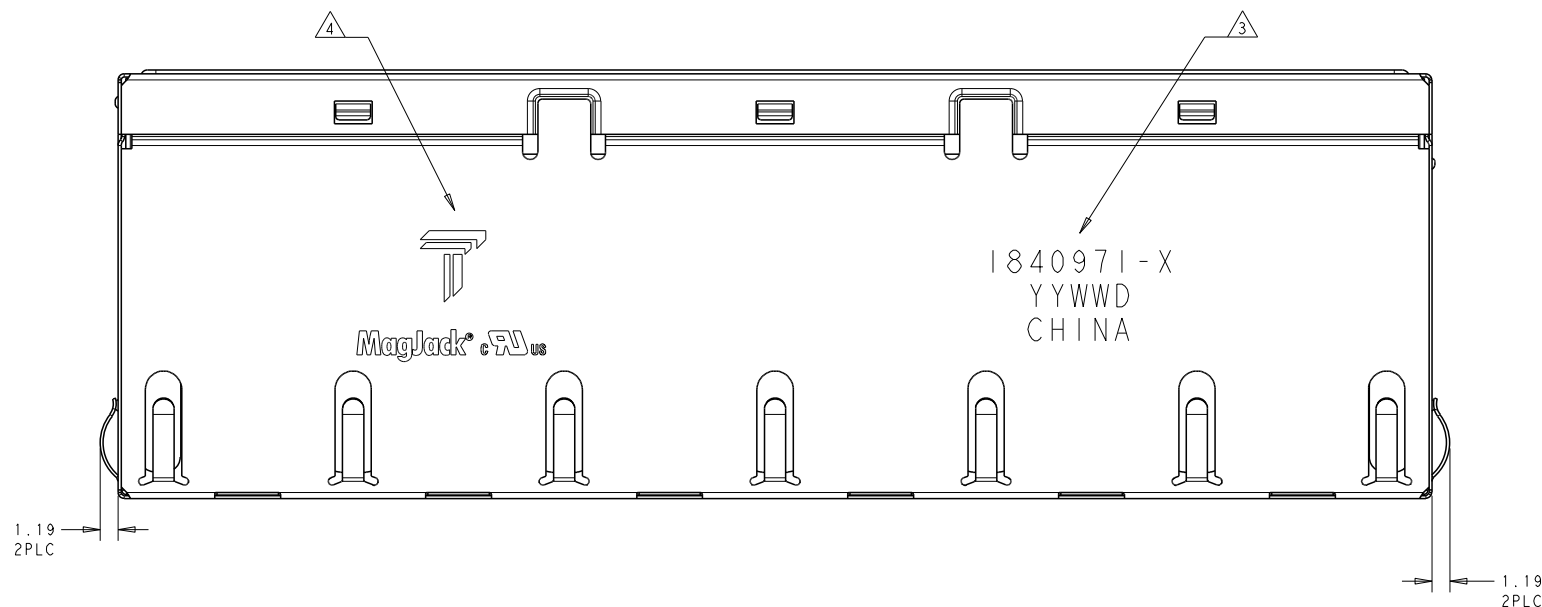
C1 = 1000PF, 2kV,X7R DECUPLING CAP
C2 - C5 = 0.022UF,100V CAPACITORS
R1-R4 = 75 OHMS, 1/16W,RESISTORS



PIN DESIGNATIONS
(REPEAT FOR EACH VERTICAL PAIR OF PORTS)



- 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 TEMPERATURE PCB,TG>170°C
- MAGNETICS
-APPLICATION: 10/100 BASE-T, PoE PLUS
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): TX=1:1, RX=1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
20mADC BIAS FROM 0°C TO 70°C, TX AND RX
-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 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: 1500VAC (MAX) AT 60Hz FOR 60 SECS WITH ALL PORTS CONNECTED.
(FOR SINGLE PORT PRODUCT ISOLATION VOLTAGE:1500VAC (MAX) AT 60Hz FOR 60 SECS)
- PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN APPROXIMATE AREA SHOWN.
- TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN APPROXIMATE AREA SHOWN.
- OPERATING TEMP: FROM 0°C TO +70°C.
- RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 5.08mm.
- THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: GABRIEL ZHOU 20MAY2010 CHK: TONY YUAN 20MAY2010 APVD: KEITH ZHU 20MAY2010		1840971-1 PART NO	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±		trp CONNECTOR a bel group DONGGUAN CHINA	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		MODEL NAME MAGJACK STACK PoE PLUS SIZE A1 CAGE CODE C=1840971 DRAWING NO CUSTOMER DRAWING	
		DESC 2X6 S8H21 10/100 PoE+ W/O LED		RESTRICTED TO - SCALE 4:1 SHEET 1 OF 3 REV D	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GABRIEL ZHOU 20MAY2010	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS:		CHK TONY YUAN 20MAY2010				
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD KEITH ZHU 20MAY2010	MODEL NAME		
		0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±	MAGJACK STACK PoE PLUS		DESC 2X6 S8H2I 10/100 PoE+ W/O LED	
PRODUCT SPEC 108-104004		APPLICATION SPEC -	SIZE A1		CAGE CODE C=1840971	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 4:1		SHEET 2	OF 3
					REV D	

