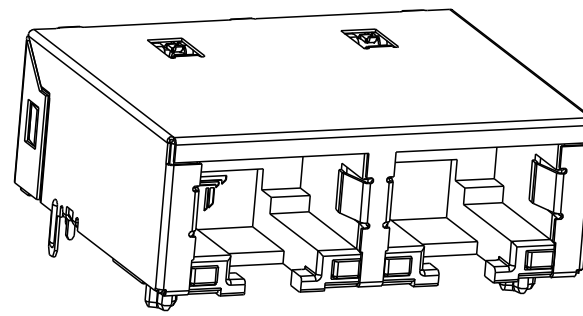
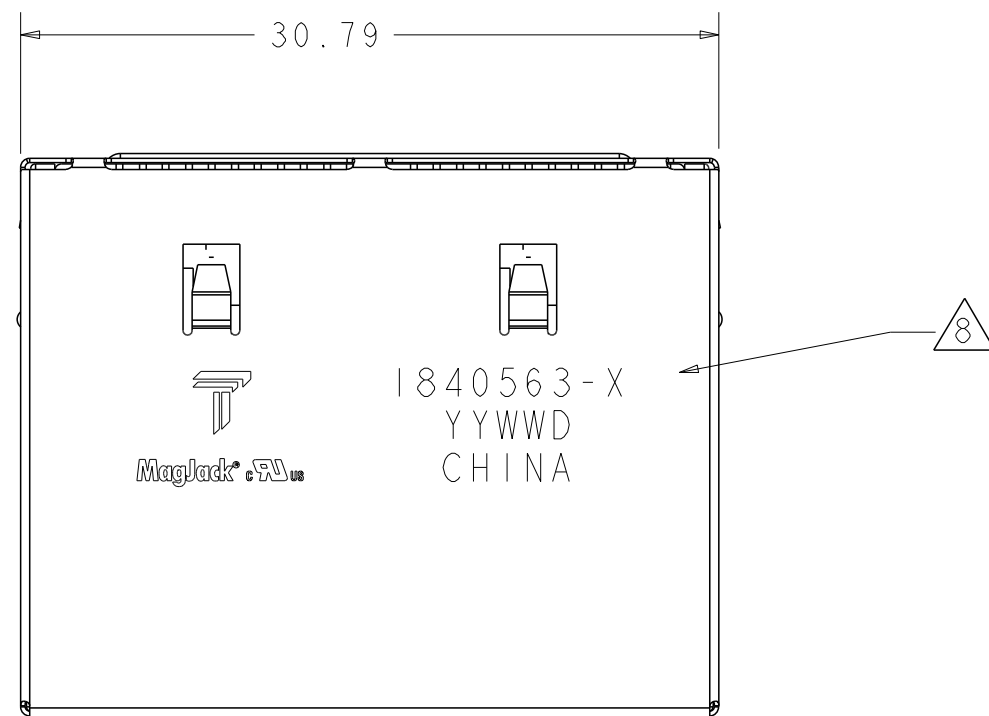


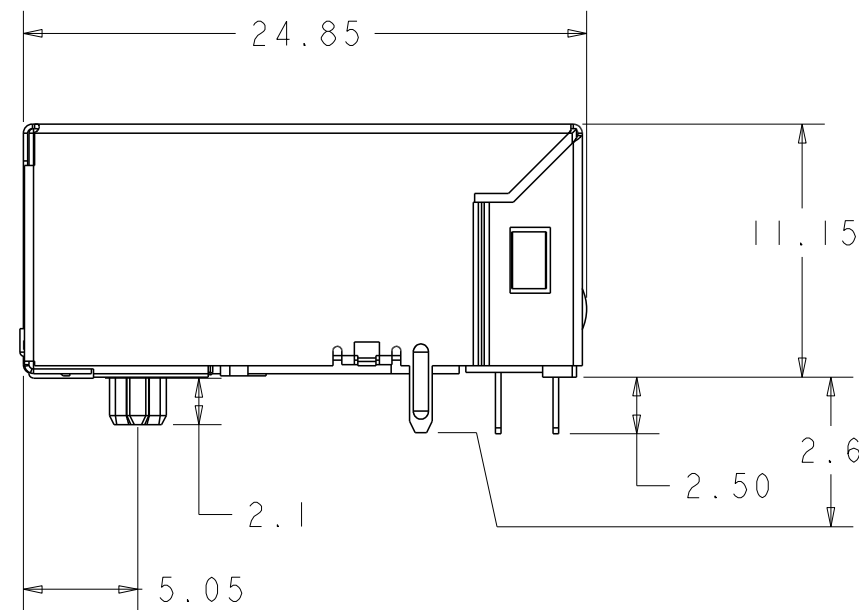
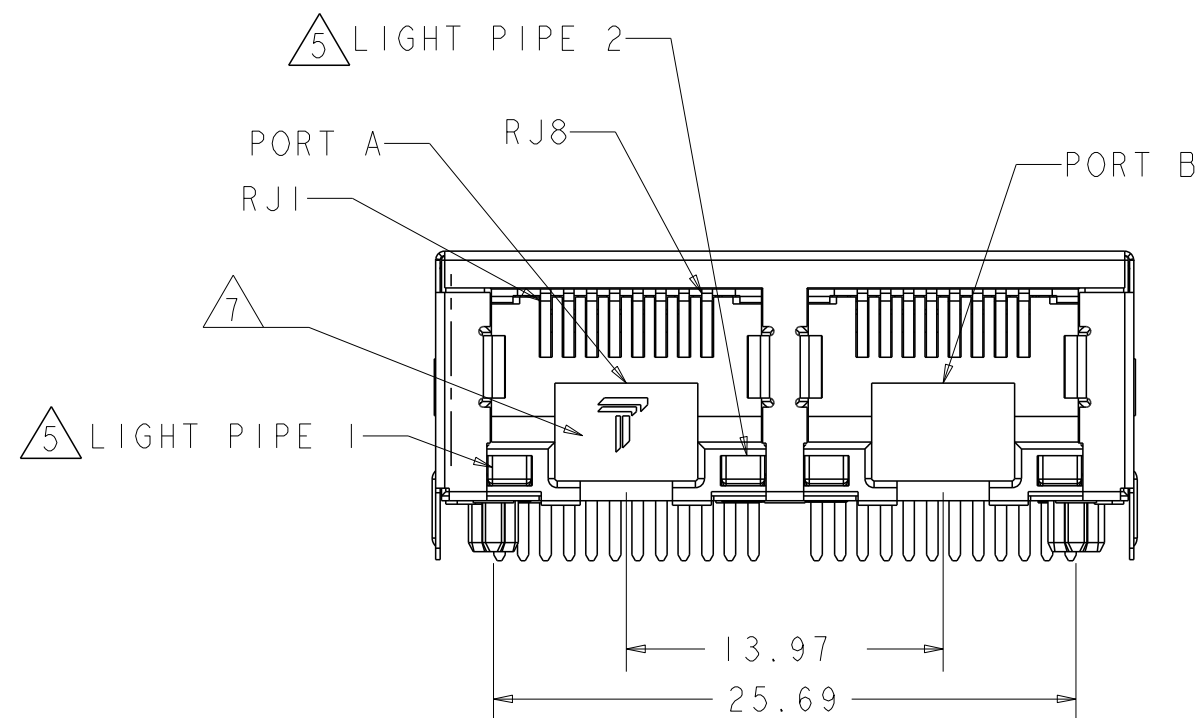
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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

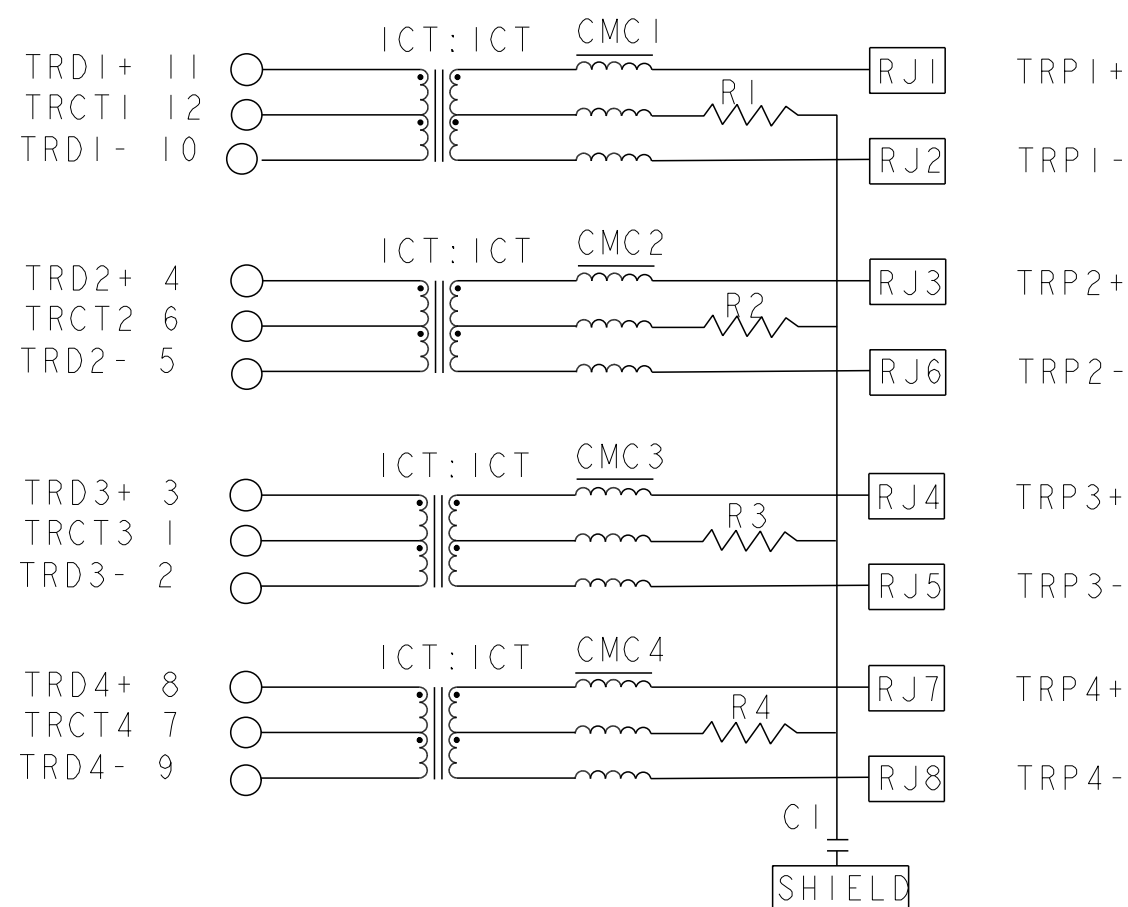
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	LOGO CHANGE	28APR2013	TY	KZ
	C	EC-1411035 COMPANY LOGO CHANGE	14JAN2015	TYR	TYN



SCALE 2:1

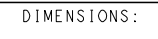
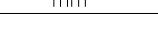


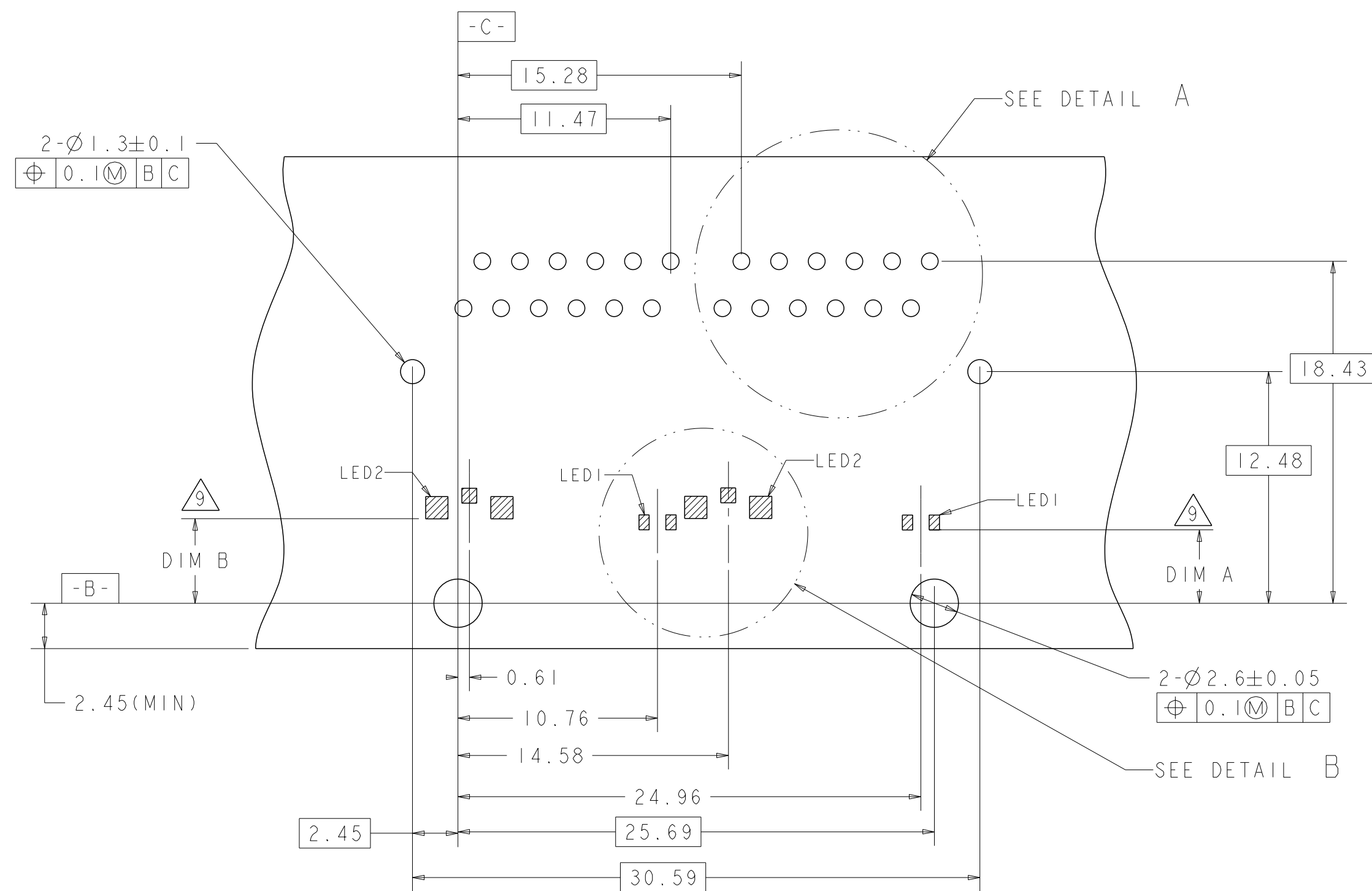
8G18ET GIGABIT CIRCUIT $\triangle_2 \triangle_3$



CI=1000 PF, 3KV, $\pm 10\%$, X7R, DECOUPLING CAP
R1-R4=75 OHM, 1/16W, $\pm 5\%$ RESISTOR

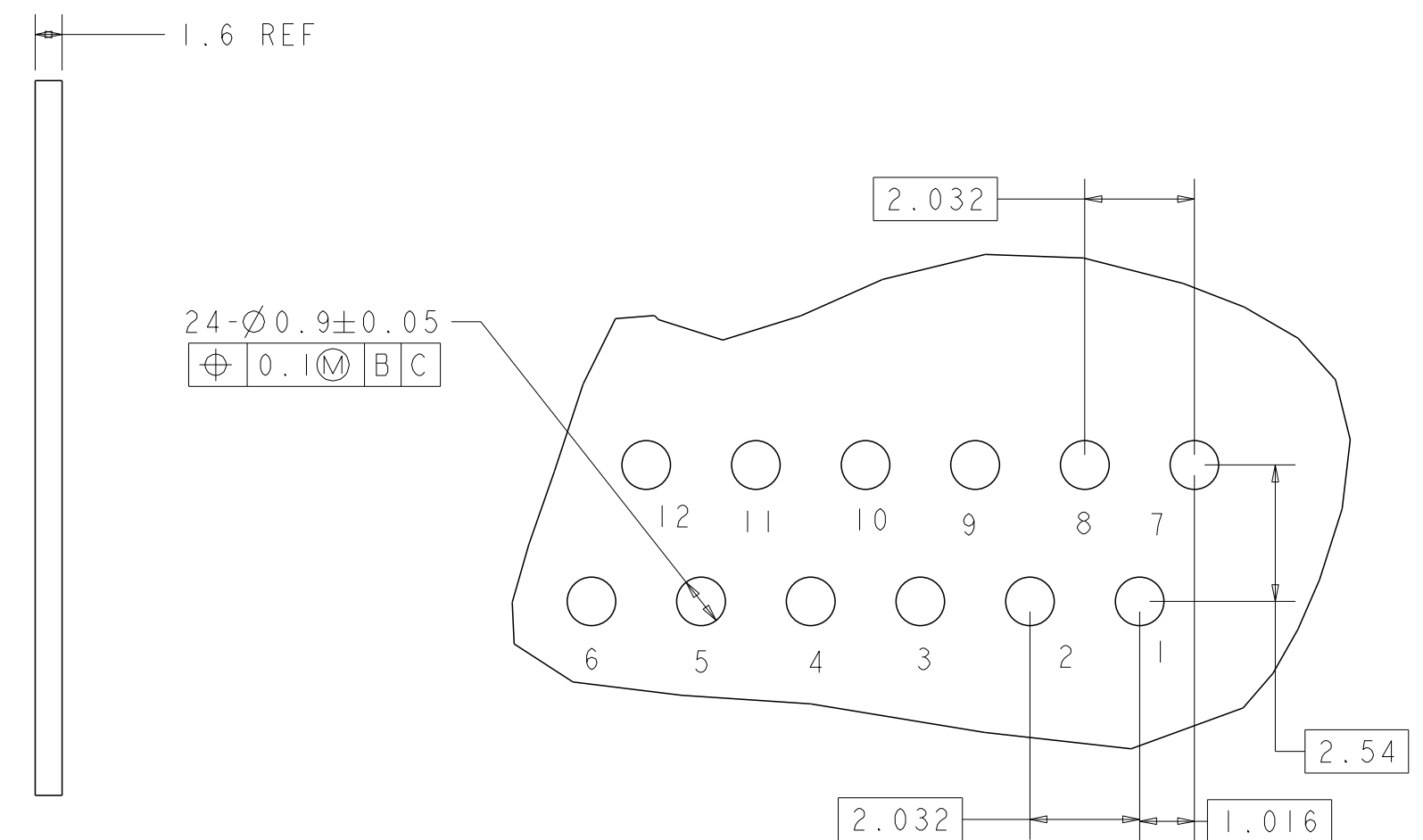
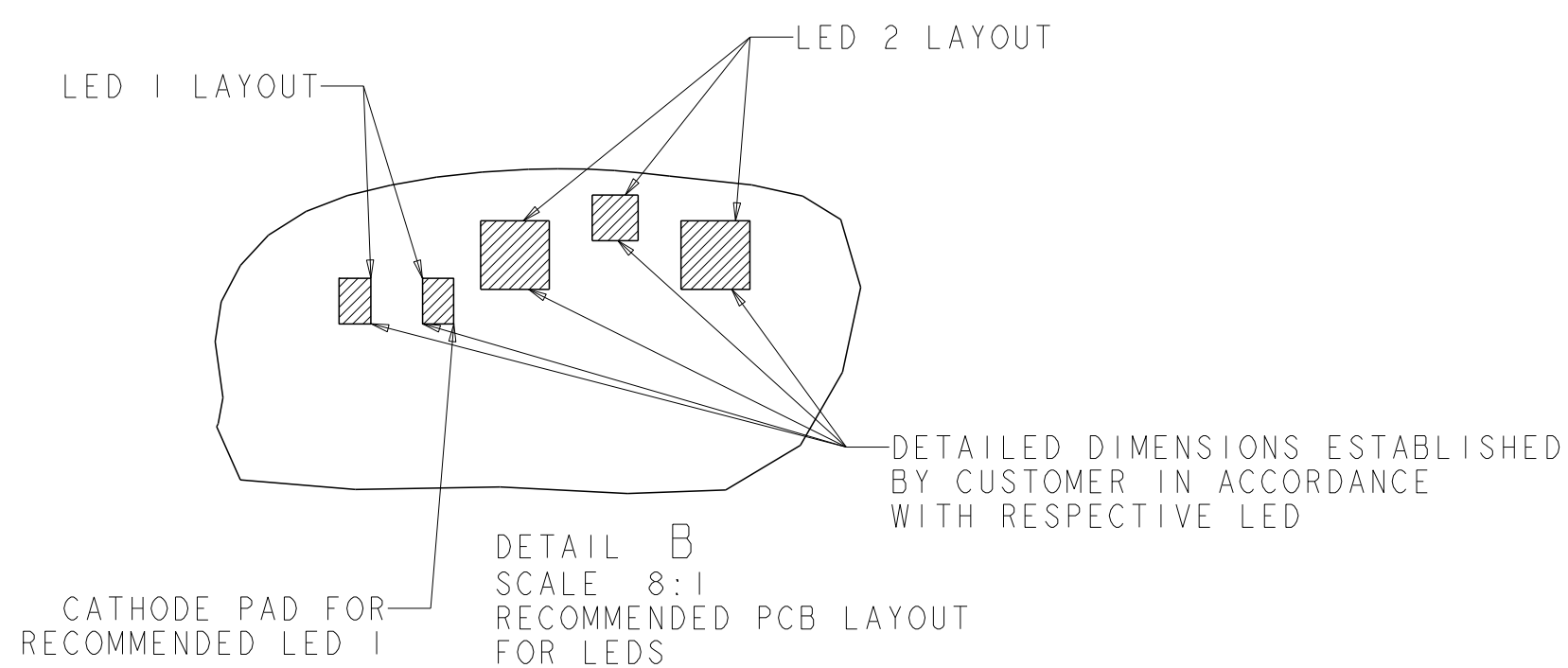
1. MATERIALS:
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, THICKNESS = 0.2mm, PREPLATED WITH MIN 0.76 μ m
SEMI-BRIGHT NICKEL, POST DIPPED WITH 2.54 μ m MIN SAC 305
ALLOY LEAD FREE SOLDER AT GROUND PINS
CONTACT: PHOSPHOR BRONZE, 0.25mm THICK, 0.46mm WIDE, PREPLATED WITH
1.27 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
2. 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 TATIO (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
3. THE MAGNETIC CIRCUIT IS SYMMETRICAL AND SUPPORTS
AUTO-MDIX OPERATION.
4. OPERATING TEMPERATURE: FROM -40°C TO 85°C.
5. 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 12-22SURSYGC/S530-A3/E2/TR8 OR EQUIVALENT.
6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.
7. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
8. TRP CONNECTOR LOGO, PART NO., DATE CODE, COUNTRY OF ORIGIN ARE TO BE MARKED
AT APPROXIMATE LOCATION
9. 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.
10. 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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TONY YUAN 11MAR2009		 trp CONNECTOR a bel group		DONGGUAN CHINA	
		CHK KEITH ZHU 11MAR2009					
		APVD TEDDY XIANG 11MAR2009					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC	
		0 PLC ±.05		MAGJACK		1X2 8G18ET GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHTPIPE	
		1 PLC ±0.25					
		2 PLC ±0.25		GANG NON-POE		SIZE A2	
		3 PLC ±0.25					
PRODUCT SPEC 108-104004		4 PLC ±.05		CAGE CODE C=1840563		DRAWING NO C=1840563	
		ANGLES ±.					
APPLICATION SPEC -				CUSTOMER DRAWING		RESTRICTED TO -	
						SCALE 3.1	

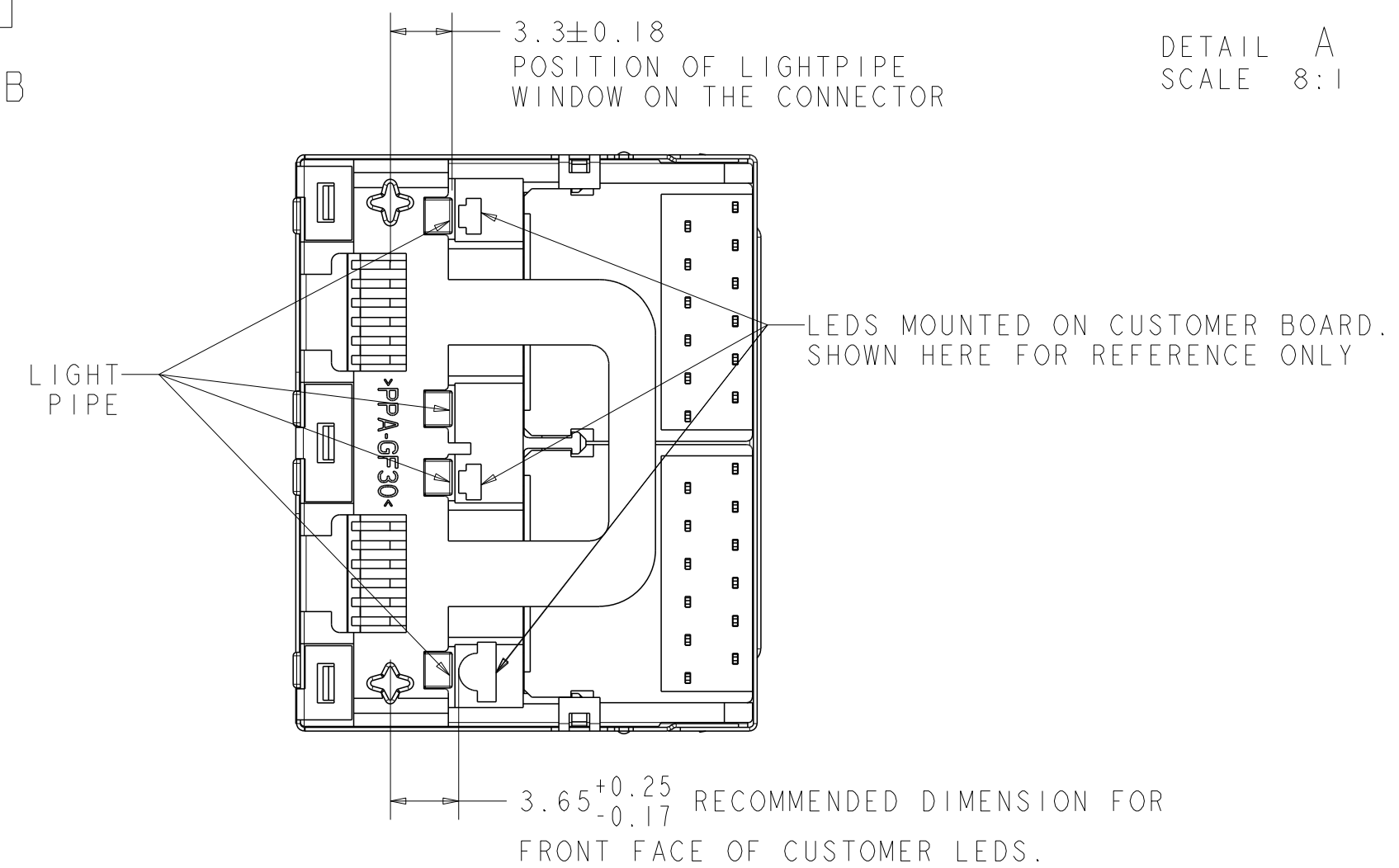


RECOMMENDED PCB LAYOUT

COMPONENT SIDE

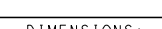


DETAIL A
SCALE 8:1



RECOMMENDED LED POSITIONS

BOTTOM VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TONY YUAN 11MAR2009 CHK KEITH ZHU 11MAR2009 APVD TEDDY XIONG 11MAR2009 MODEL NAME MAGJACK GANG NON-POE		 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 ± APPLICATION SPEC		DESC 1X2 8G18ET GIGABIT TAB DOWN LOW PROFILE NO LED W/ LIGHTPIPE		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
PRODUCT SPEC 108-104004		A2 C=1840563		SCALE 3:1 SHEET 2 OF 2 REV C		-	
CUSTOMER DRAWING							