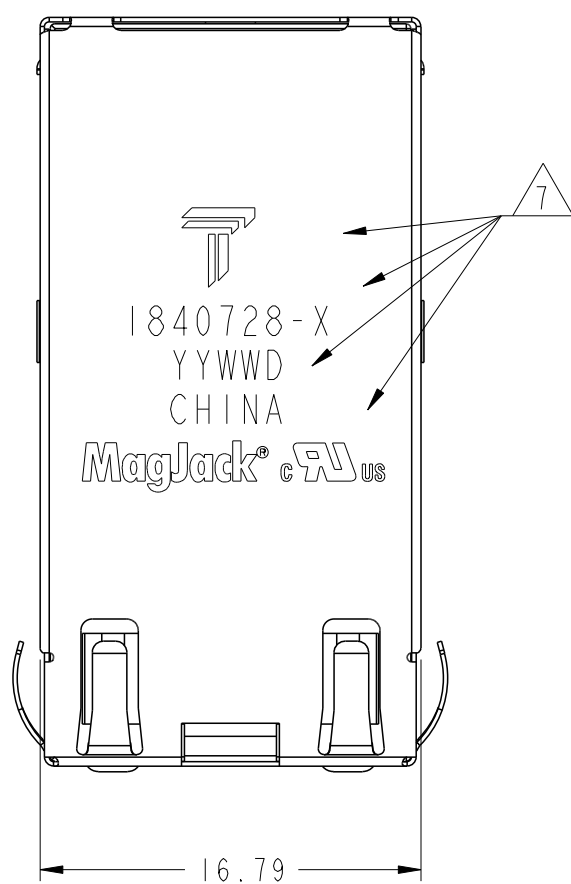
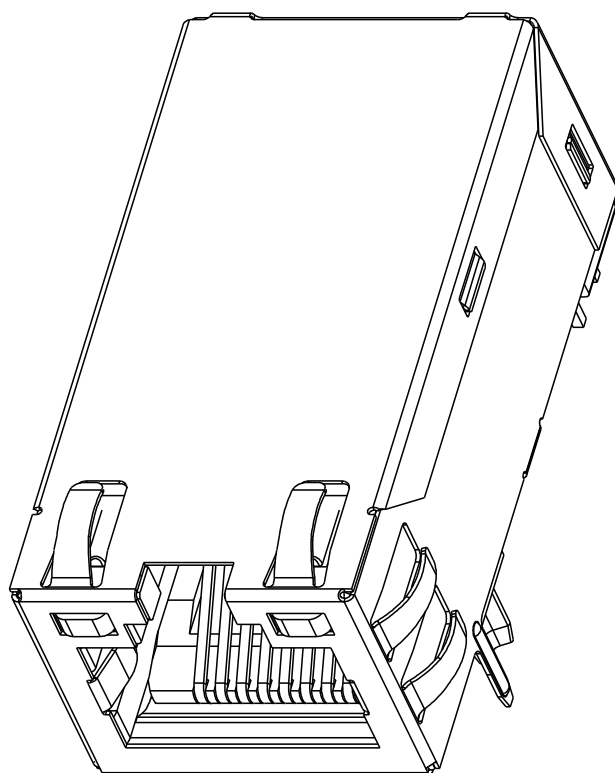


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	LOGO CHANGE	24APR2013	TY	KZ
	B	EC-1411035 COMPANY LOGO CHANGE	09JAN2015	TYR	TYN



1. MATERIALS

HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, 0.20mm THICK

PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.

CONTACT: PHOSPHOR BRONZE, 0.46mmX0.30mm

WITH 1.27 μ m MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27 μ m MIN GOLD PLATING AT MATING INTERFACE

SOLDER TAIL: COPPER CLADDED STEEL, 0.50mm SQUARE
PLATED WITH 2.54um MIN MATTE TIN

LIGHT PIPE: POLYCARBON, TRANSPARENT, RATING UL 94V-0

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,
TIP TIN DIPPING

2 MAGNETICS

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-APPLICATION: 10/100/1000 BASE-T
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- IMPEDANCE: 100 OHMS

-TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS

-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS

-ALL FOUR PAIRS BI-DIRECTIONAL

-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: 2250 VDC FOR 60 SECONDS DURATION FOR 1840728-6,
1840728-7, 1-1840728-3, 1-1840728-5
- ISOLATION VOLTAGE: 1500 VAC(RMS) AT 50 Hz TO 60 Hz FOR 60 SECONDS DURATION
FOR 1840728-5, 1840728-9

△ THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: 0°C TO 70°C

5 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

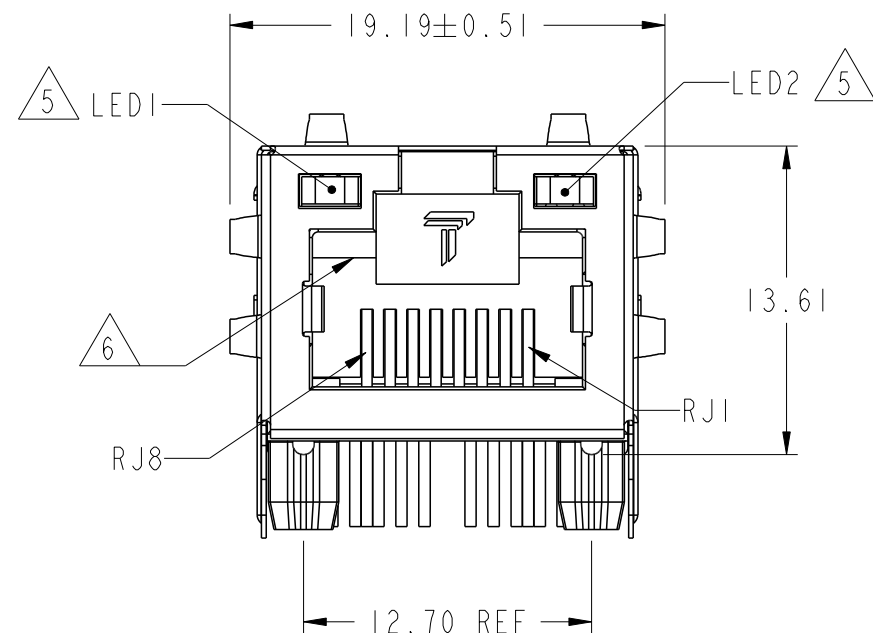
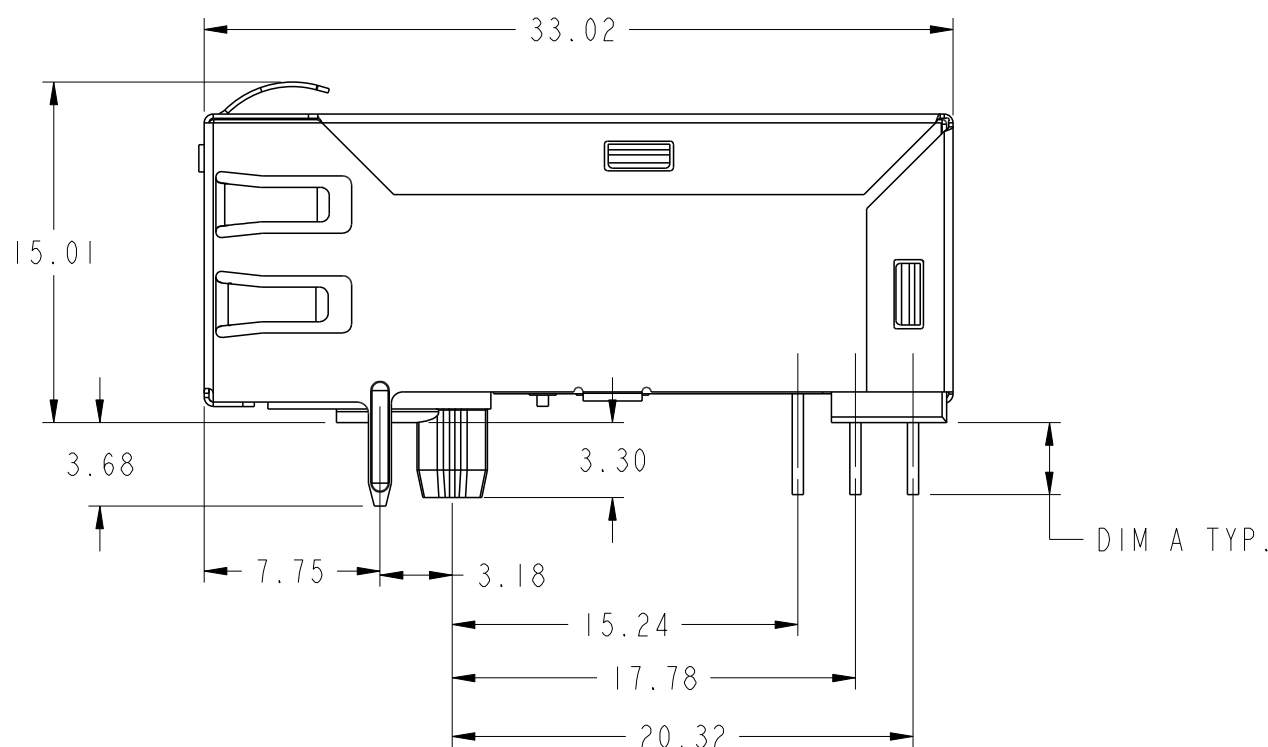
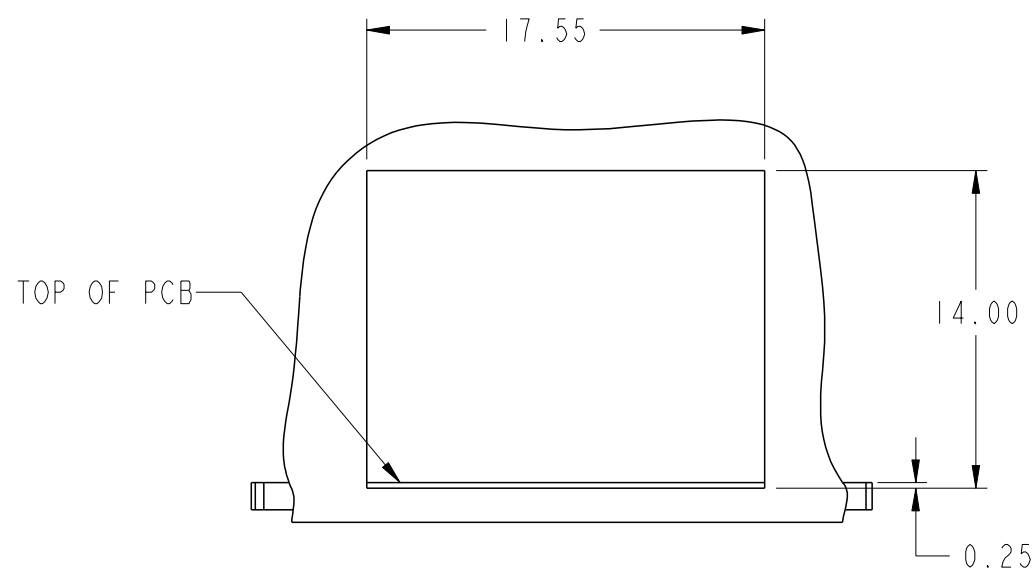
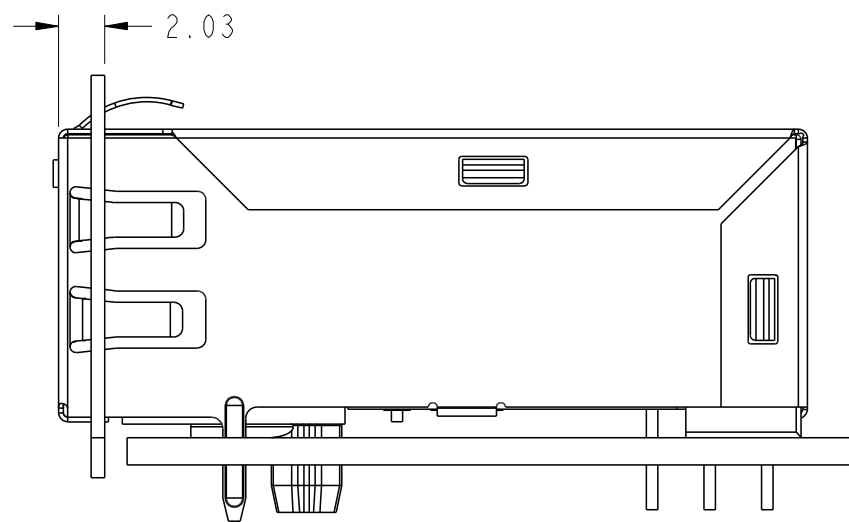
LED COLOR: DOMINANT WAVELENGTH (λ_D): GREEN 568 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (λ_D): YELLOW 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
DOMINANT WAVELENGTH (λ_D): ORANGE 605 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. at IF=20mA

 RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

△ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN
AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN. DATE CODE:
"YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

8. THESE PARTS ARE 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.

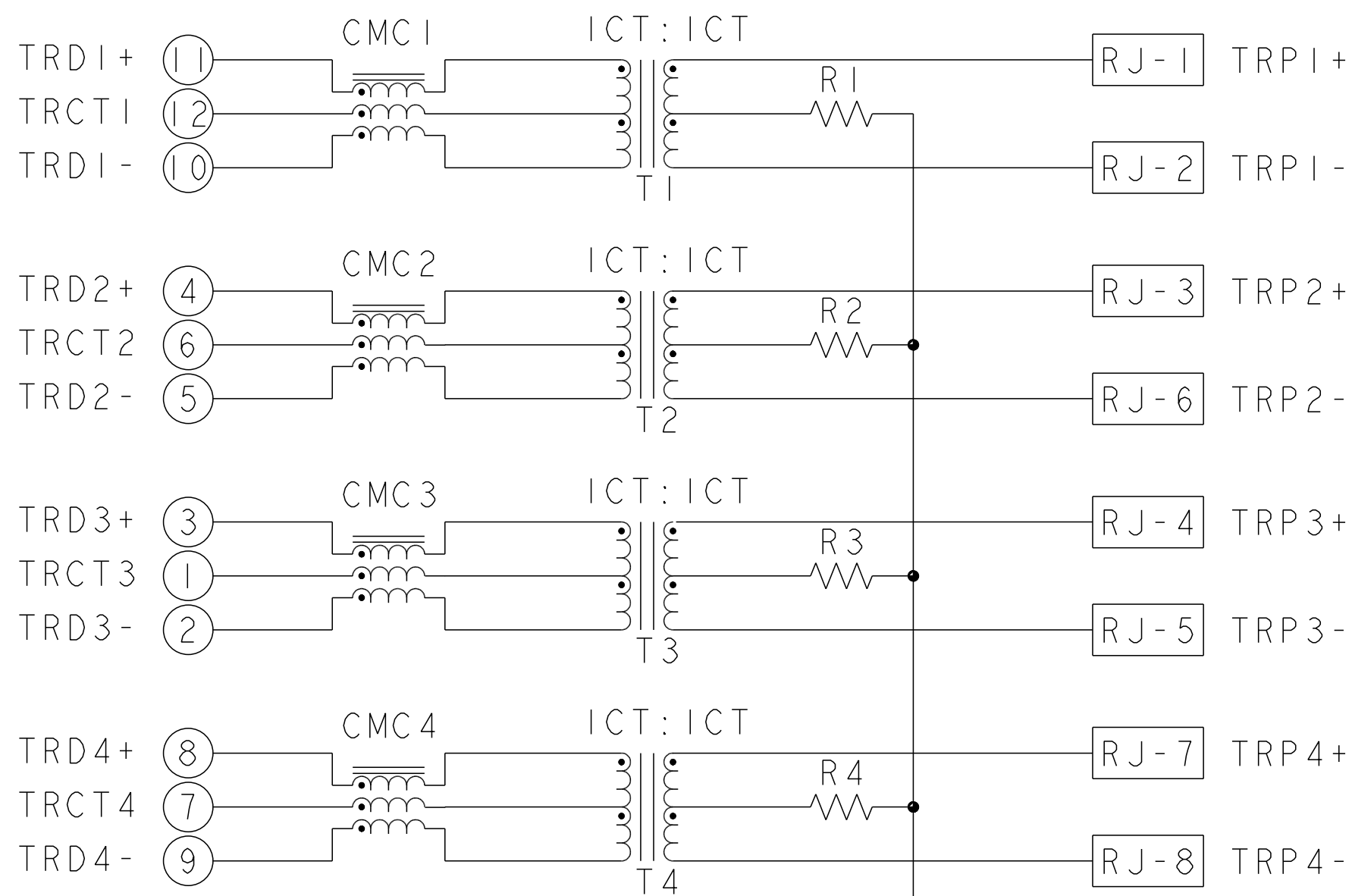
3.56	YELLOW/GREEN	GREEN	1-1840728-5
3.18	GREEN/ORANGE	YELLOW	1-1840728-3
3.18	YELLOW	GREEN	1840728-9
3.18	GREEN	GREEN	1840728-7
3.18	YELLOW/GREEN	YELLOW/GREEN	1840728-6
3.18	YELLOW/GREEN	GREEN	1840728-5
DIM A	LED1	LED2	PART NUMBER



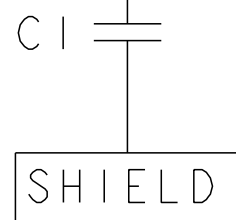
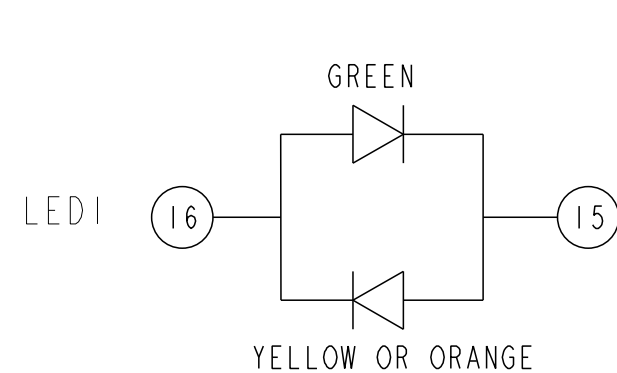
SUGGESTED PANEL CUTOUT
VS CUSTOMER BOARD

CONNECTOR ASSEMBLED
TO PANEL AND PCB

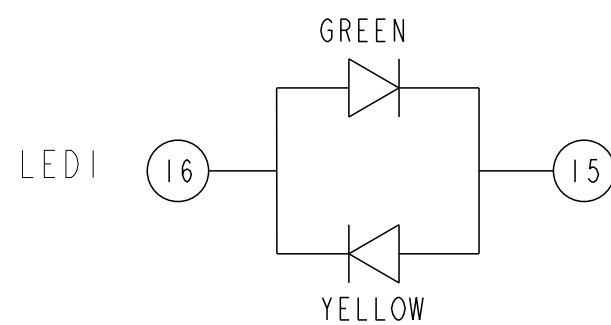
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JALU XU 200CT2006 CHK KEITH ZHU 200CT2006 APVD TEDDY XIONG 200CT2006 MODEL NAME		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±. ANGLES ±. APPLICATION SPEC		DESC 1X1 1G4I GIGABIT TAB UP W/ LED			
		MAGJACK SINGLE NON-POE		SIZE A2		CAGE CODE G=1840728	
PRODUCT SPEC 108-2100				DRAWING NO G=1840728		RESTRICTED TO -	
CUSTOMER DRAWING				SCALE 2:1		SHEET 1 OF 2	
				REV B			

IG4I GIGABIT CIRCUIT 

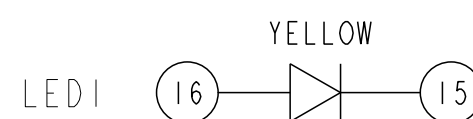
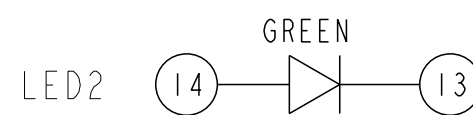
R1-R4=75 Ohms, 1/16W, 5% RESISTORS
C1=1000pF, 3kV CAPACITOR



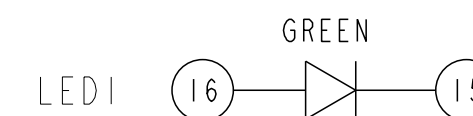
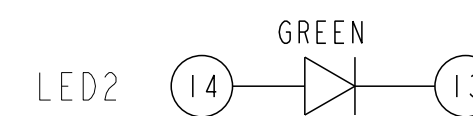
LED CONFIGURATION
FOR 1-1840728-3
1840728-5
1-1840728-5



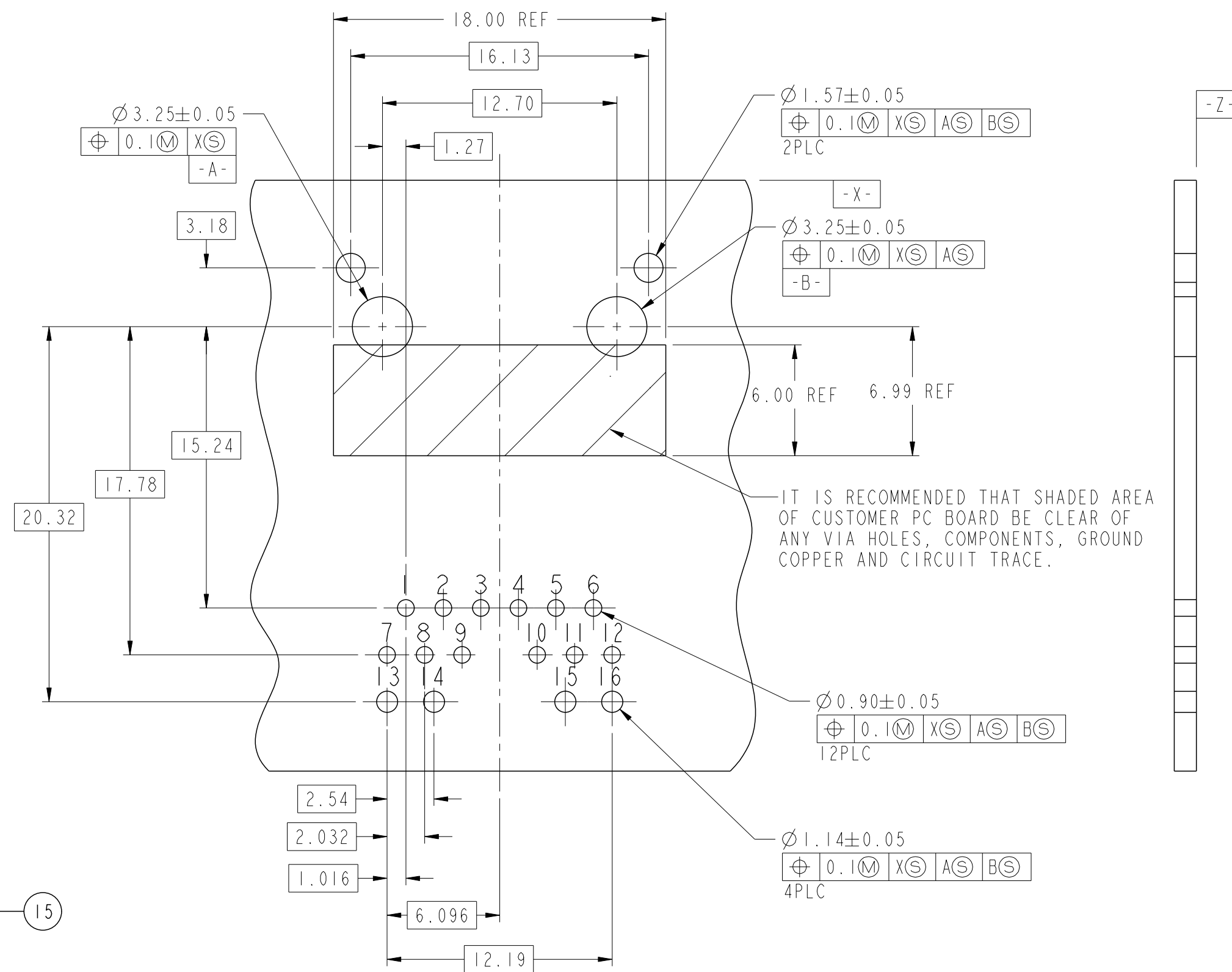
LED CONFIGURATION
FOR 1840728-6 ONLY



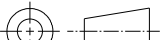
LED CONFIGURATION
FOR 1840728-9 ONLY



LED CONFIGURATION
FOR 1840728-7 ONLY



SUGGESTED CUSTOMER PCB
COMPONENT SIDE
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JALU XU	200CT2006	 trp CONNECTOR a bel group		DONGGUAN CHINA				
DIMENSIONS: mm		CHK KEITH ZHU	200CT2006							
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TEDDY XIONG	200CT2006	DESC IXI IG4I GIGABIT TAB UP W/ LED						
		MODEL NAME MAGJACK								
0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±		SINGLE NON-POE		SIZE A2		CAGE CODE	DRAWING NO C=1840728	RESTRICTED TO -		
PRODUCT SPEC 108-2100		APPLICATION SPEC -		CUSTOMER DRAWING				SCALE 2:1	SHEET 2 OF 2	REV B