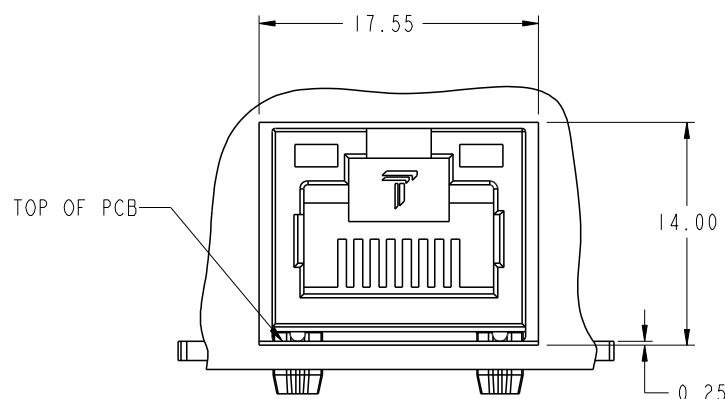
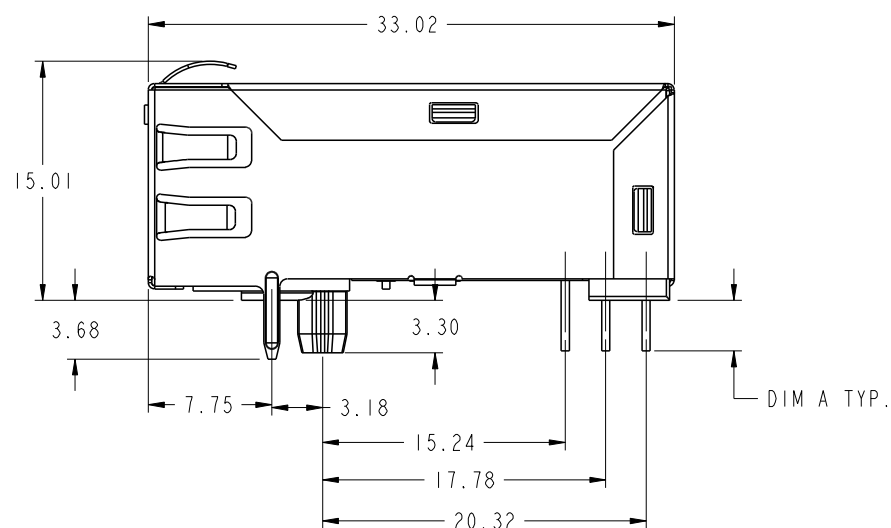
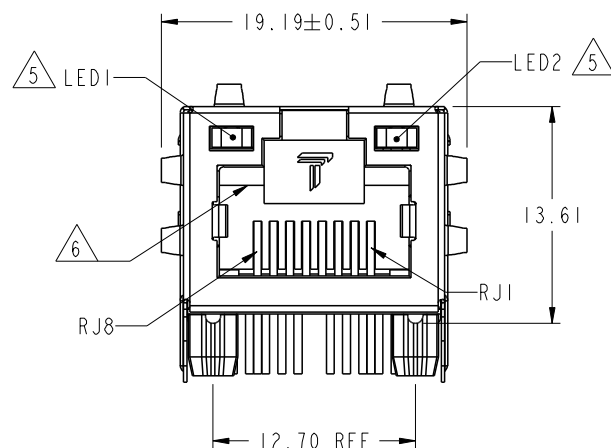
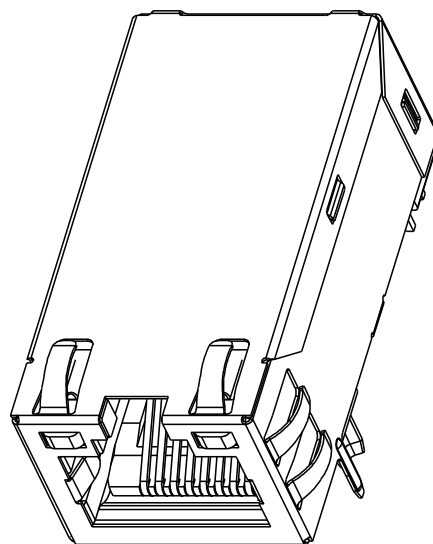
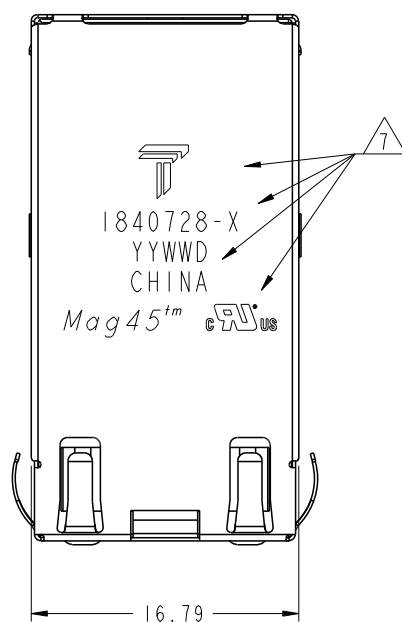


REVISIONS

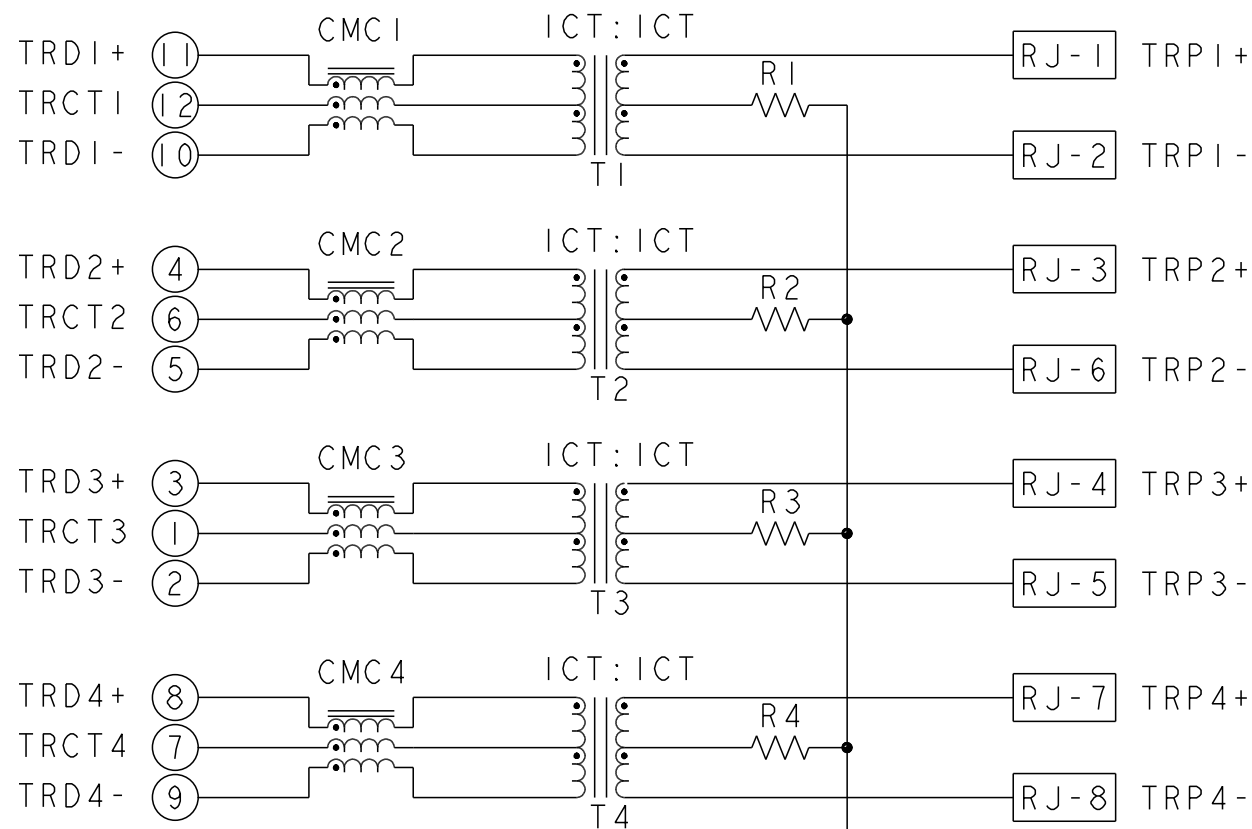
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	LOGO CHANGE	24APR2013	TY	KZ

SUGGESTED PANEL CUTOUT
VS CUSTOMER BOARDCONNECTOR ASSEMBLED
TO PANEL AND PCB

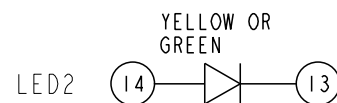
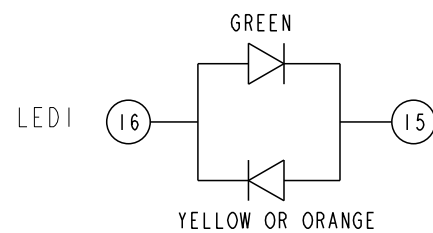
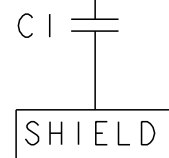
- 1 MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, 0.20mm THICK
PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
CONTACT: PHOSPHOR BRONZE, 0.46mmX0.30mm
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27um 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
POST PLATED WITH 2.54um MIN TIN
- 2 MAGNETICS
-APPLICATION: 10/100/1000 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC 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
- 3 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 (λD): GREEN 568 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. at IF=20mA
- 6 RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- 7 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

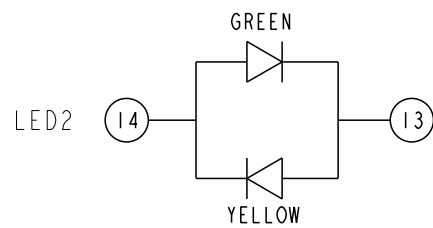
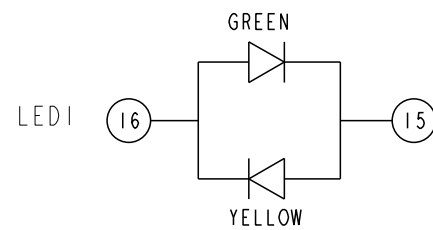
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JALU XU 20OCT2006	 TRP connector Dongguan China	
DIMENSIONS:		CHK KEITH ZHU 20OCT2006		
mm		APVD TEDDY XIONG 20OCT2006		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ± FINISH		APPLICATION SPEC -	NAME 1X1 MAG45 JACK, 1G41 GIGABIT SHIELDED WITH LEDS	
MATERIAL		WEIGHT -	SIZE A2	CAGE CODE C=1840728
CUSTOMER DRAWING		SCALE NTS	SHEET 1	OF 2
			REV A	

IG41 GIGABIT CIRCUIT $\triangle\triangle$ 

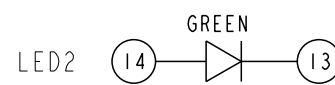
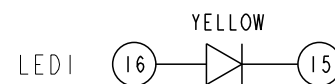
R1-R4=75 Ohms, 1/16W, 5% RESISTORS
 C1=1000pF, 3kV CAPACITOR



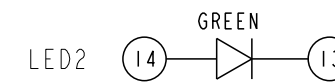
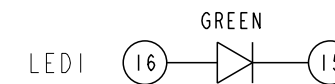
LED CONFIGURATION
 FOR 1-1840728-3
 1840728-5
 1-1840728-5



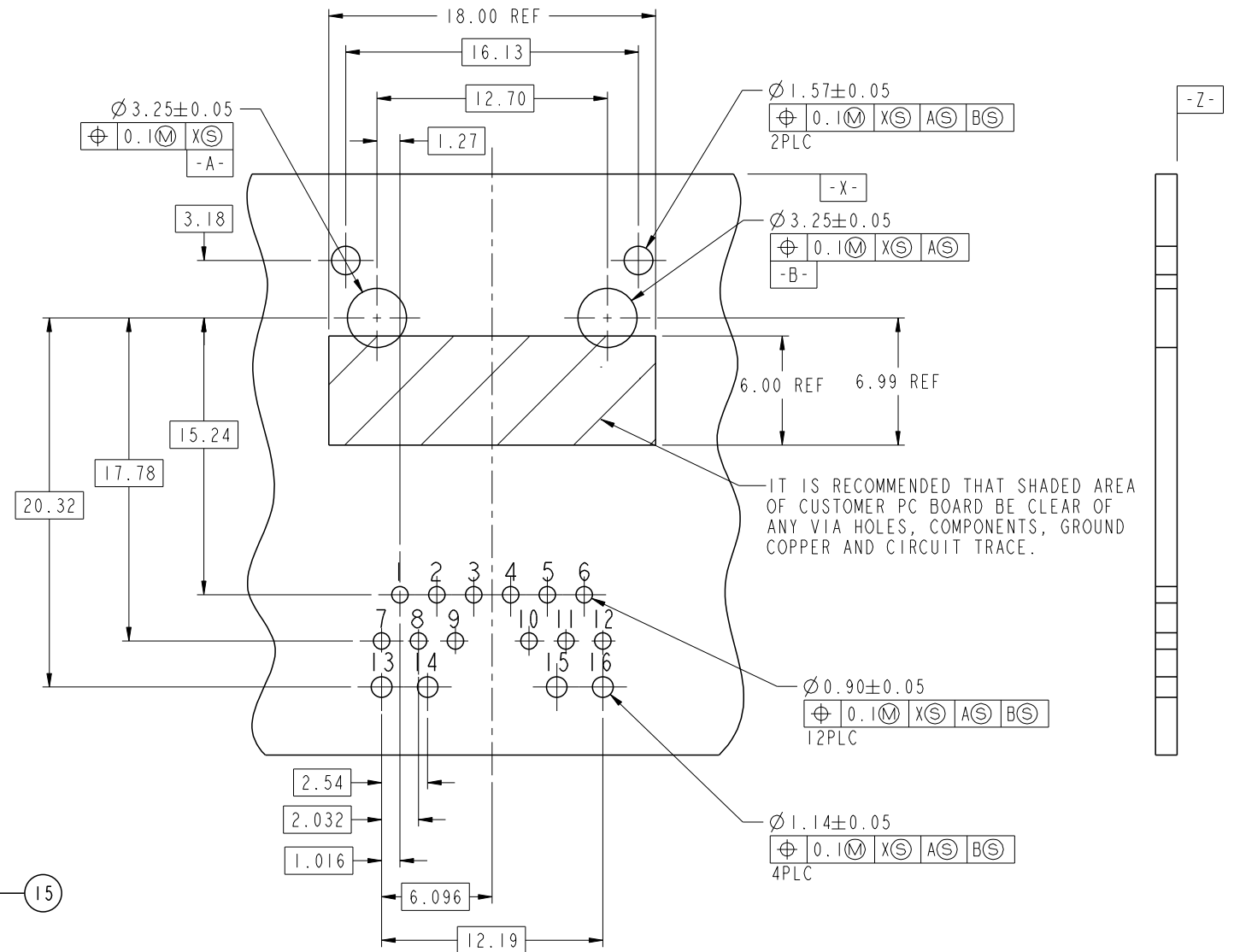
LED CONFIGURATION
 FOR 1840728-6 ONLY



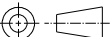
LED CONFIGURATION
 FOR 1840728-9 ONLY



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 Dongguan China					
		CHK KEITH ZHU 200CT2006						
		APVD TEDDY XIONG 200CT2006						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME IXI MAG45 JACK, IG41 GIGABIT SHIELDED WITH LEDS					
		0 PLC ±0.25	SIZE A2					
		1 PLC ±0.25				CAGE CODE C=1840728		
		2 PLC ±0.25						
3 PLC ±0.25	SCALE NTS							
4 PLC ±0.25				SHEET 2 OF 2				
ANGLES ±°							REV A	
FINISH	CUSTOMER DRAWING							
MATERIAL				WEIGHT -				
</								