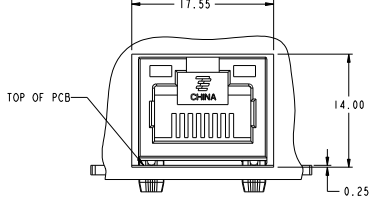
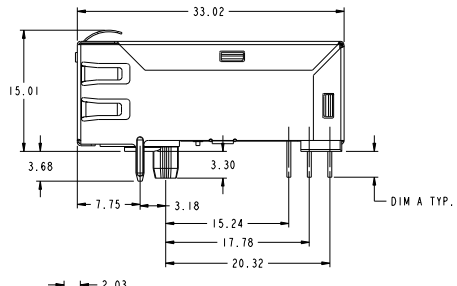
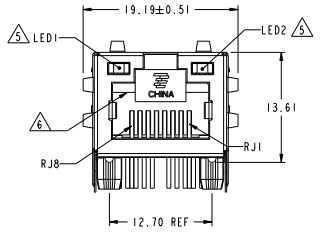
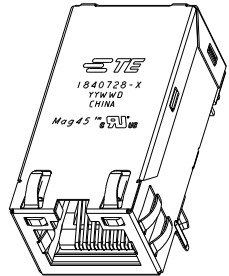
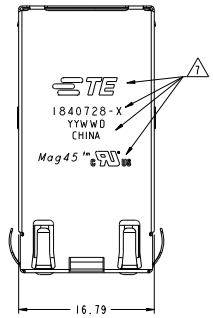
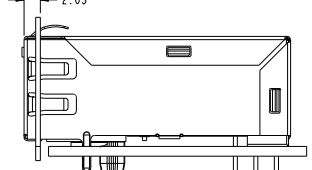


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LOC	DISP	REVISIONS					
AA	00	P	REV	DESCRIPTION	DATE	BY	APVS
		1	1	ECO-12-000216	03JUN2012	PP	KZ



SUGGESTED PANEL CUTOUT VS CUSTOMER BOARD



CONNECTOR ASSEMBLED TO PANEL AND PCB

- 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
- MAGNETICS**
- APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100 OHMS
 - URNS RATIO (CHIP-CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350nH 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
 - 2-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - 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, 1840728-3, 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
- LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
- LED COLOR:
- DOMINANT WAVELENGTH (XD): GREEN 568 nm TYP. at IF=20mA
 - FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
 - DOMINANT WAVELENGTH (XD): YELLOW 588 nm TYP. at IF=20mA
 - FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
 - DOMINANT WAVELENGTH (XD): 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.
- TE CONNECTIVITY 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.

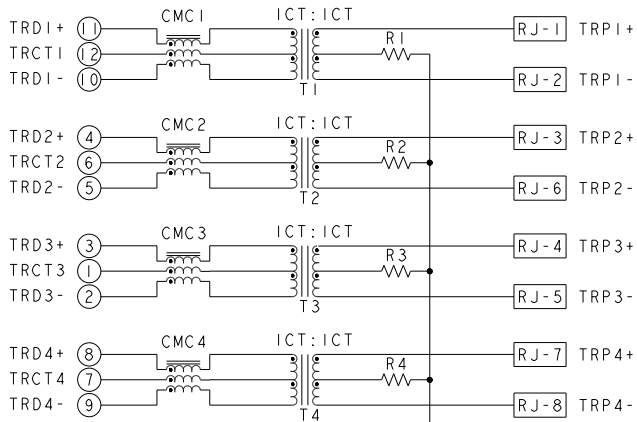
DATE: 200C12006	REV: 00	BY: JALU XU	CHK: JALU XU
DRAWN BY: JALU XU	DATE: 200C12006	APP: TEDDY XILONG	NAME: TEDDY XILONG
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC: 108-2100	APPLICATION SPEC:
0 PLC ±0.25	1 PLC ±0.25	2 PLC ±0.25	3 PLC ±0.25
4 PLC ±0.25	5 PLC ±0.25	6 PLC ±0.25	7 PLC ±0.25
MATERIAL:	FINISH:	WEIGHT:	RESTRICTED TO:
CUSTOMER DRAWING			

SIZE: A2 CASE CODE: 00779 DRAWING NO: 1840728

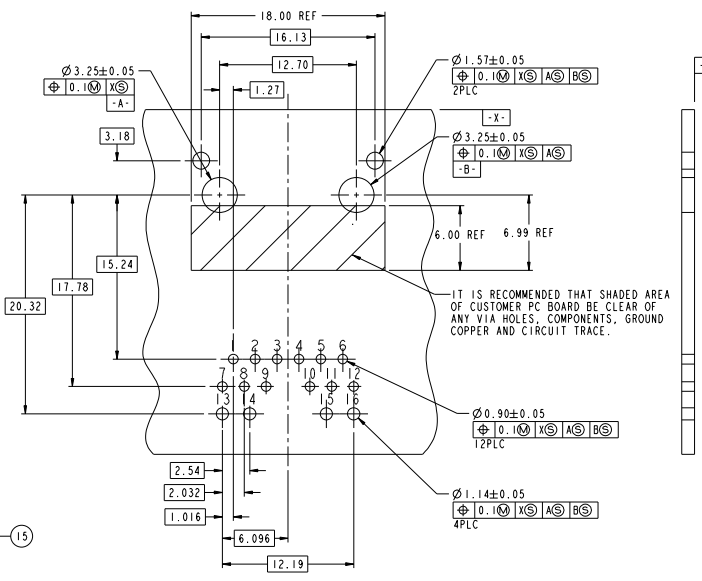
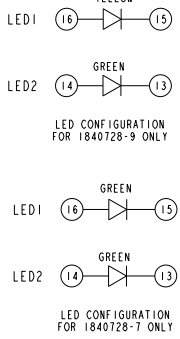
SCALE: NTS SHEET 1 OF 2 REV 11

REV	DATE	BY	APPROV	DESCRIPTION
00				SEE SHEET 1

IG41 GIGABIT CIRCUIT

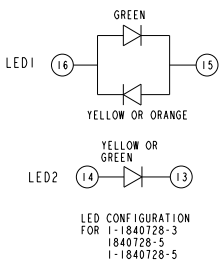


R1-R4=75 Ohms, 1/16W, 5% RESISTORS
C1=1000pF, 3kV CAPACITOR

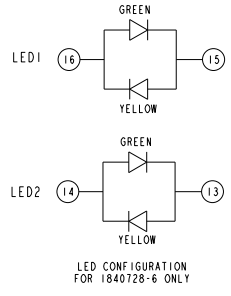


IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLES, COMPONENTS, GROUND COPPER AND CIRCUIT TRACE.

SUGGESTED CUSTOMER PCB COMPONENT SIDE SCALE 2:1



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



LED CONFIGURATION FOR 1840728-6 ONLY, 1840728-7 ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV: 00	DATE: 20OCT2006	
DRAWN BY: JALU XU		CHKD BY: KEITH ZHU	DATE: 20OCT2006	
DIMENSIONS: mm		TELEPHONE: 800-225-2252		1X1 MAG(45) MODULAR JACK IG41 GIGABIT SCHEMATIC SHIELDED WITH LEDS
TOLERANCE UNLESS OTHERWISE SPECIFIED:		APPROVED BY: TEDDY XIONG		
		0 PLC	±0.25	SIZE: A2
		1 PLC	±0.25	CAGE CODE: 00779
		2 PLC	±0.25	DRAWING NO: 108-2100
		3 PLC	±0.25	APPLICATION SPEC: -
		4 PLC	±0.25	DRINKING NO: -
MATERIAL: -		WEIGHT: -		RESTRICTED TO: -
FINISH: -		CUSTOMER DRAWING		SCALE: NTS