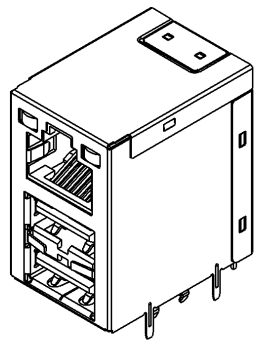
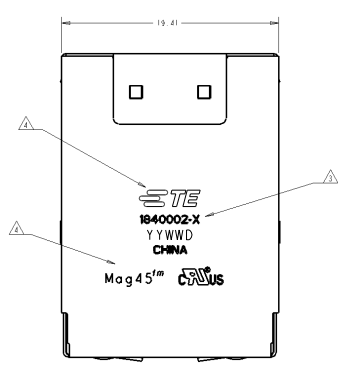


REV	BY	DATE	REVISIONS
AA	DD		
1	E	ECO-11-010410	Dimensional Update

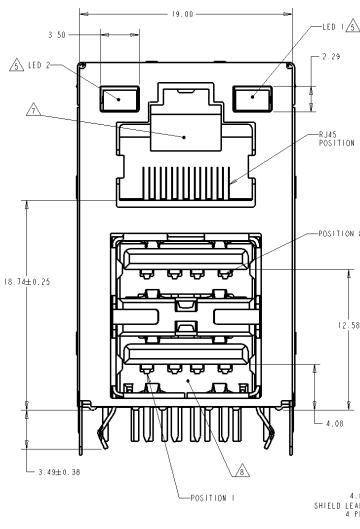


- USB MATERIALS:**  
 SHELL: BRASS, PLATED WITH 2.54µM MIN TIN  
 HOUSING: BLACK, THERMOPLASTIC, GLASS FILLED, UL 94V-0 RATED  
 CONTACT: PHOSPHOR BRONZE WITH SELECTIVE GOLD PLATING

**RJ45 MATERIALS:**  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PLATED WITH 0.75 µM MIN SEMI-BRIGHT NICKEL.  
 SELECTED TIN, 3.05 µM MIN ON SOLDER TAILS ONLY  
 CONTACTS: PHOSPHOR BRONZE  
 PLATING: 1.27 µM MIN OVERALL NICKEL UNDERPLATE WITH SELECT  
 1.27 µM MIN GOLD AT MATING INTERFACE AND  
 3.05 µM MIN MATTE TIN AND/OR SAC SOLDER DIP ON CONTACT TAILS.

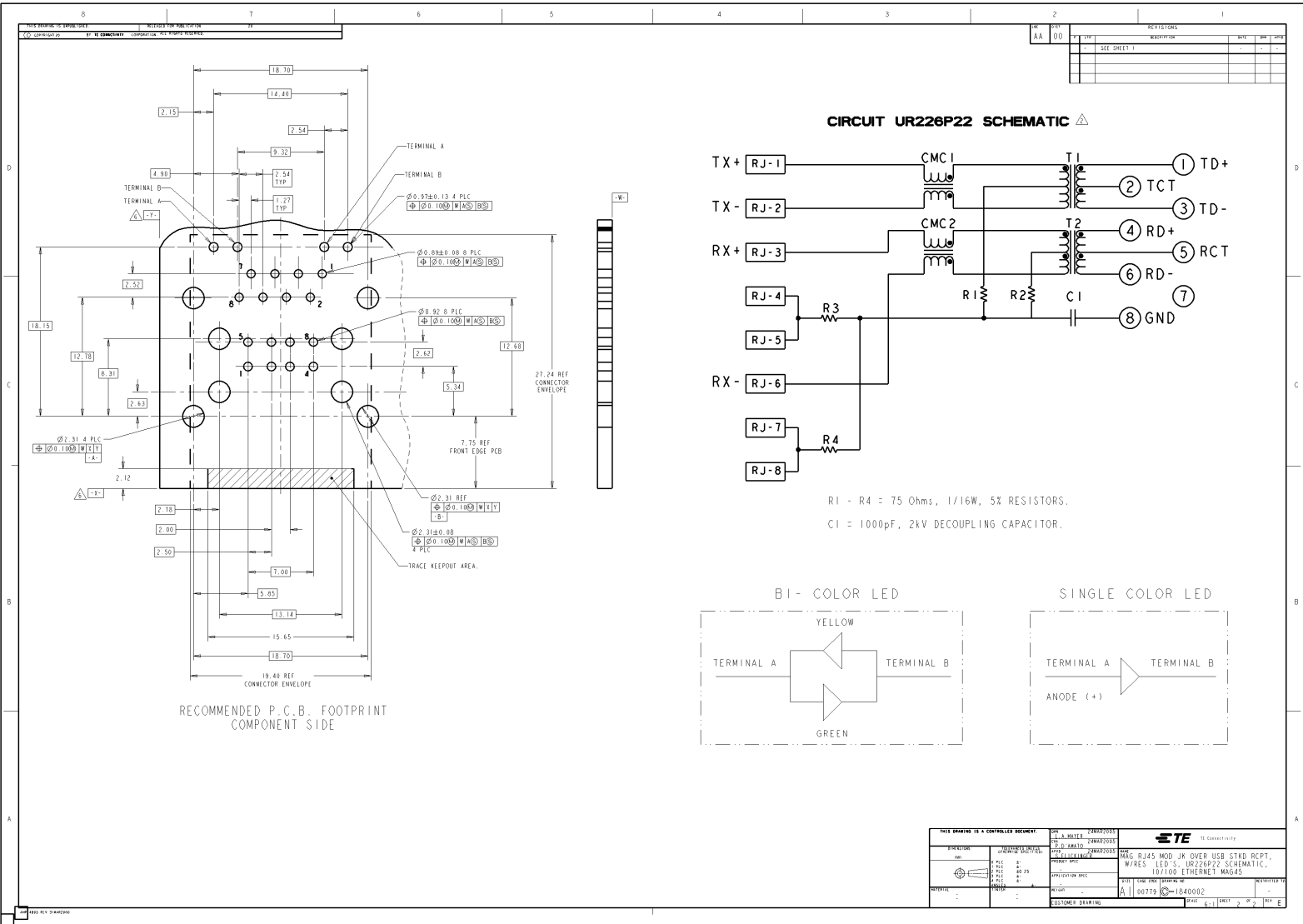
LED - DIFFUSED EPOXY LENS, 0.5 x 0.5 CARBON STEEL WIREFRAME LEADS  
 PRE-PLATED WITH 2.03 µM MIN SILVER OVER 1.02 µM MIN NICKEL UNDERPLATE  
 OVER 1.02 µM MIN COPPER UNDERPLATE. POST-PLATE WITH 2.54 µM MIN  
 MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

APPLICATION: 10/100 BASE-T  
 MAGNETICS  
 APPLICATION: 10/100 BASE-T  
 IMPEDANCE: 100 OHMS  
 TURNS RATIO(CHIP CABLE): TX=1:1, RX=1:1  
 OPEN CIRCUIT INDUCTANCE(OCIL): 350nH MIN @100kHz, 0.1 VRMS,  
 0mVDC BIAS FROM 0°C TO 10°C, TX AND RX  
 PERFORMANCE @ 25°C  
 INSERTION LOSS (IL): 1.1 dB MAX FROM 0.5MHz TO 100MHz  
 RETURN LOSS (RL): 1.8dB MIN FROM 0.5MHz TO 30MHz  
 18-20LOG(f/30)dB MIN FROM 30.1 MHz TO 60MHz  
 12dB MIN FROM 60.1MHz TO 80MHz  
 CROSSTALK ATTENUATION: 35 dB MIN FROM 0.5 MHz TO 40 MHz  
 33-20LOG(f/500) dB MIN FROM 40.1 MHz TO 100 MHz  
 COMMON MODE REJECTION RATION (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz  
 ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b
- PART NUMBER DATE CODE COUNTRY OF ORIGIN LOCATED IN THE APPROXIMATE AREA SHOWN.  
 DATE CODE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.
- TE CONNECTIVITY LOGO, AGENCY APPROVAL MARKING LOGO LOCATED IN THE APPROXIMATE  
 AREA SHOWN.
- LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA  
 DOMINANT WAVE LENGTH(D1): GREEN 568 nm TYP. AT VF=5V  
 FORWARD CURRENT(IF): GREEN 12mA AT VF=5V  
 DOMINANT WAVE LENGTH(D1): YELLOW 588 nm TYP. AT VF=5V  
 FORWARD CURRENT(IF): YELLOW 13mA TYP. AT VF=5V
- DATUM LOCATION AND DIMENSION TO BE ESTABLISHED BY CUSTOMER
- RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F
- MATING INTERFACE COMPLIES WITH USB (UNIVERSAL SERIAL BUS)  
 SPECIFICATION REV 2.0, UTILIZING TYCO P/N 292323-1 WITH USB 2.0  
 CERTIFICATE TEST ID NO. 60000242
- THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
 PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX



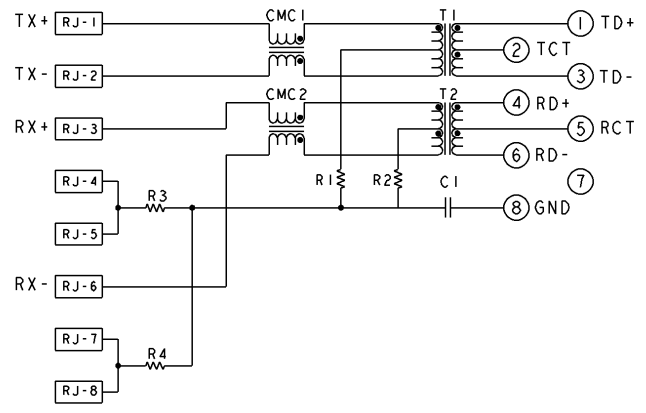
GREEN	GREEN/YELLOW	1840002-3
GREEN	GREEN	1840002-2
GREEN/YELLOW	GREEN	1840002-1
LED 2	LED 1	PART NUMBER

FULL DRAWING TO 2 CONTRACTOR DOCUMENT DATE: 11/01/2010 BY: L. BRADY CHECKED: J. BRADY APPROVED: J. BRADY TITLE: MAG RJ45 MOD JK OVER USB STKD RCPT, W/R/S LED S, UR220P22 SCHEMATIC, 10/100 ETHERNET MAGS		TE CONNECTIVITY 1840002-X YYWWD CHINA Mag45™
REVISED BY: J. BRADY DATE: 11/01/2010 REVISION: 1	REVISED BY: J. BRADY DATE: 11/01/2010 REVISION: 1	REVISED BY: J. BRADY DATE: 11/01/2010 REVISION: 1

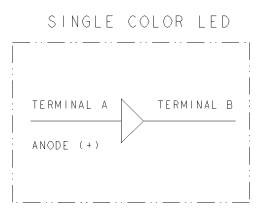
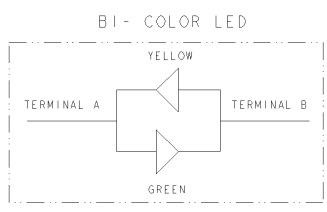


REVISYONS		NO.	REV.	DATE	BY	CHK.
AA	00	01	01			
		02	01			
		03	01			

**CIRCUIT UR226P22 SCHEMATIC**



R1 - R4 = 75 Ohms, 1/16W, 5% RESISTORS.  
 C1 = 1000pF, 2kV DECOUPLING CAPACITOR.



FILE DRAWING IS A CONTROLLED DOCUMENT		REV. A SHEET 2/04/2005	STE	
DESCRIPTION	QUANTITY/DATE	REV. A SHEET 2/04/2005	REV. A SHEET 2/04/2005	REV. A SHEET 2/04/2005
REF. NO.	REV. NO.	REV. NO.	REV. NO.	REV. NO.
DATE	DATE	DATE	DATE	DATE
BY	BY	BY	BY	BY
CHK	CHK	CHK	CHK	CHK
APP	APP	APP	APP	APP
DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY
DATE	DATE	DATE	DATE	DATE
BY	BY	BY	BY	BY
CHK	CHK	CHK	CHK	CHK
APP	APP	APP	APP	APP