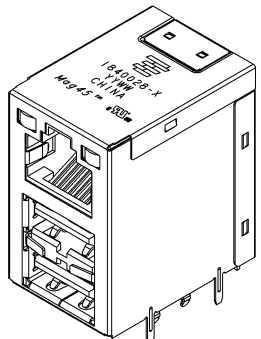
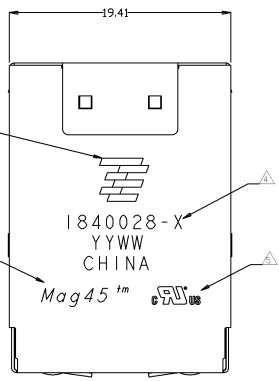


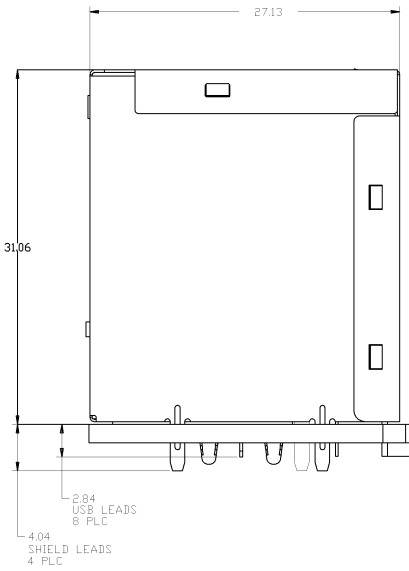
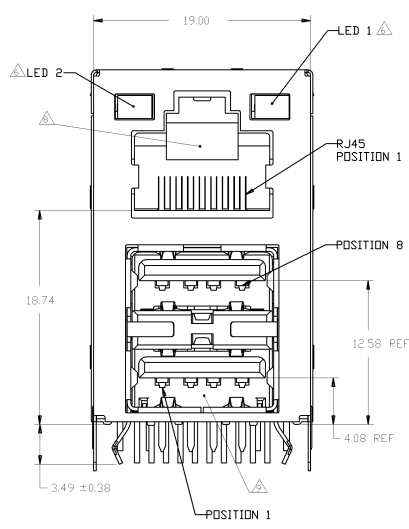
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REVISONS		DATE	BY	APP'D
1	INITIAL RELEASE			
2	ECN 01-07/07			



3D VIEW  
SCALE 4:1

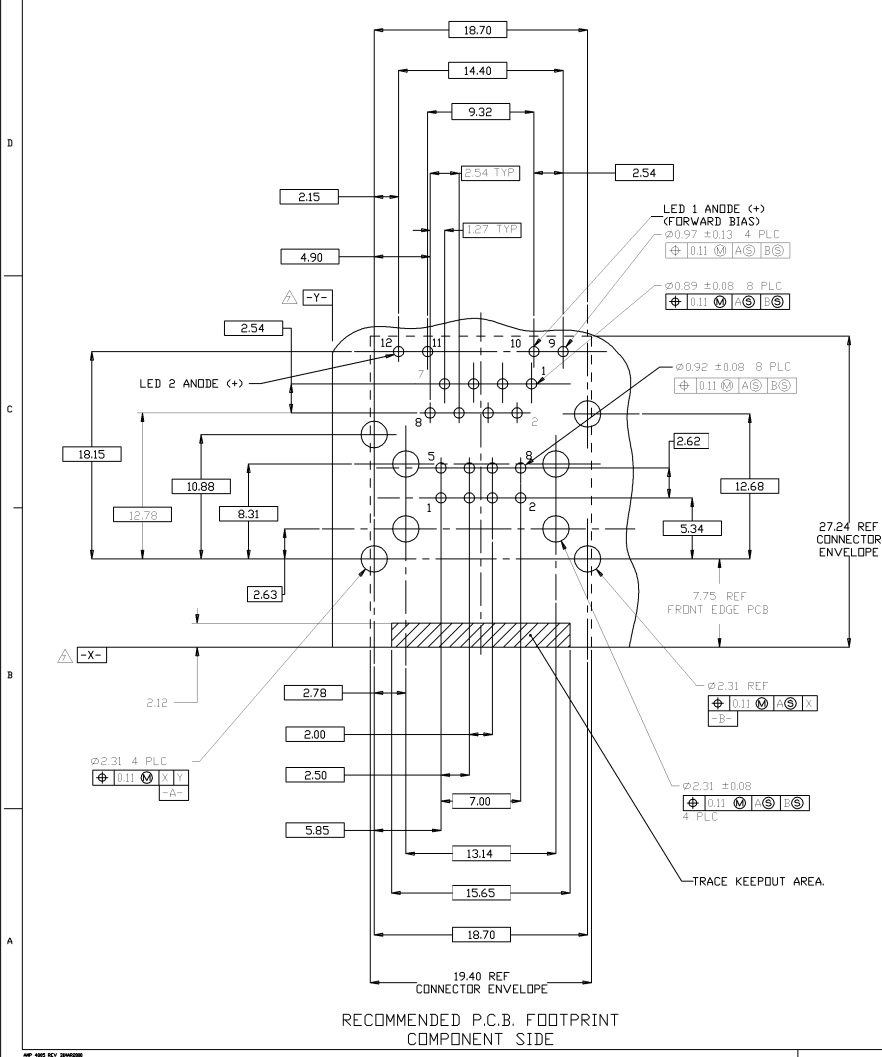
- 1 MATERIALS:**  
**USB MATERIALS:**  
 HOUSING: BLACK, THERMOPLASTIC, GLASS FILLED, UL 94V-0 RATED  
 SHELL: BRASS, PLATED WITH 2.54 μm MIN TIN  
 CONTACT: PHOSPHOR BRONZE WITH SELECTIVE GOLD PLATING
- RJ45 MATERIALS:**  
 HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PLATED WITH 0.76 μm MIN SEMI-BRIGHT NICKEL,  
 3.05 μm MIN TIN ON SOLDER TAILS ONLY  
 CONTACTS: PHOSPHOR BRONZE  
 1.27 μm MIN OVERALL NICKEL UNDERPLATE WITH SELECTIVE  
 1.27 μm MIN GOLD AT MATING INTERFACE AND  
 3.05 μm MIN MATTE TIN AND/OR SAC SOLDER DIP ON SOLDER TAILS.
- LED MATERIAL:**  
 DIFFUSED EPOXY LENS, 0.5 x 0.5 CARBON STEEL WIREFRAME LEADS PLATING  
 2.03 μm MIN SILVER OVER  
 1.02 μm MIN NICKEL 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.
- △ RJ45 MAGNETICS**  
 -APPLICATION: 10/100 BASE-T  
 -IMPEDANCE: 100 OHMS  
 -TURNS RATIO(CHIP CABLE): TX=1:1, RX=1:1  
 -OPEN CIRCUIT INDUCTANCE(OCL): 350nH MIN @100kHz, 0.1 VRMS,  
 8mADC BIAS FROM 0°C TO 70°C, TX AND RX  
 -PERFORMANCE @ 25°C  
 INSERTION LOSS (IL): 1.1 dB MAX FROM 0.5MHz TO 100MHz  
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz  
 12-20.0dB/30dB MIN FROM 30.1 MHz TO 60MHz  
 12dB MIN FROM 60MHz TO 80MHz  
 CROSSTALK ATTENUATION: 35 dB MIN FROM 0.5 MHz TO 40 MHz  
 33-20.0dB/30- dB MIN FROM 40.1 MHz TO 100 MHz  
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz  
 -ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
- 3. OPERATING TEMPERATURE: FROM 0° C TO + 70° C**
- △ PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN**  
 LOCATED IN APPROXIMATE LOCATION SHOWN.
- △ AGENCY APPROVAL LOGO AND TYCO ELECTRONICS LOGO**  
 TO BE LOCATED IN APPROXIMATE AREA SHOWN.
- △ LEADS TO BE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA, DOMINANT WAVELENGTH:**  
 GREEN 568nm TYP. at IF=20mA, FORWARD VOLTAGE (VF) GREEN 2.2V TYP. at IF=20mA  
 YELLOW 588nm TYP. at IF=20mA, FORWARD VOLTAGE (VF) YELLOW 2.1V TYP. at IF=20mA  
 ONLY FOR 1840028-3:  
 ULTRA LDW WAVELENGTH GREEN (ULWG) 525 nm TYP. at IF=20mA, FORWARD VOLTAGE (VF)  
 GREEN 2.8V TYP. at IF=20mA  
 YELLOW 588nm TYP. at IF=20mA, FORWARD VOLTAGE (VF) YELLOW 2.1V TYP. at IF=20mA
- △ 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.**
- 10 THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.**



2.79 RJ45 PINS AND LED LEADS  
12PLCS

ULWG/YELLOW	ULWG/YELLOW	1840028-3
GREEN	GREEN/YELLOW	1840028-2
GREEN	GREEN	1840028-1
LED 2	LED 1	PART NUMBER

DESCRIPTION	QTY	UNIT	REVISION	DATE	BY	APP'D
1840028-3	1	PCB	1	12/06/07		
1840028-2	1	PCB	1	12/06/07		
1840028-1	1	PCB	1	12/06/07		



▲UR226P22 10/100 BASE-T CIRCUIT

