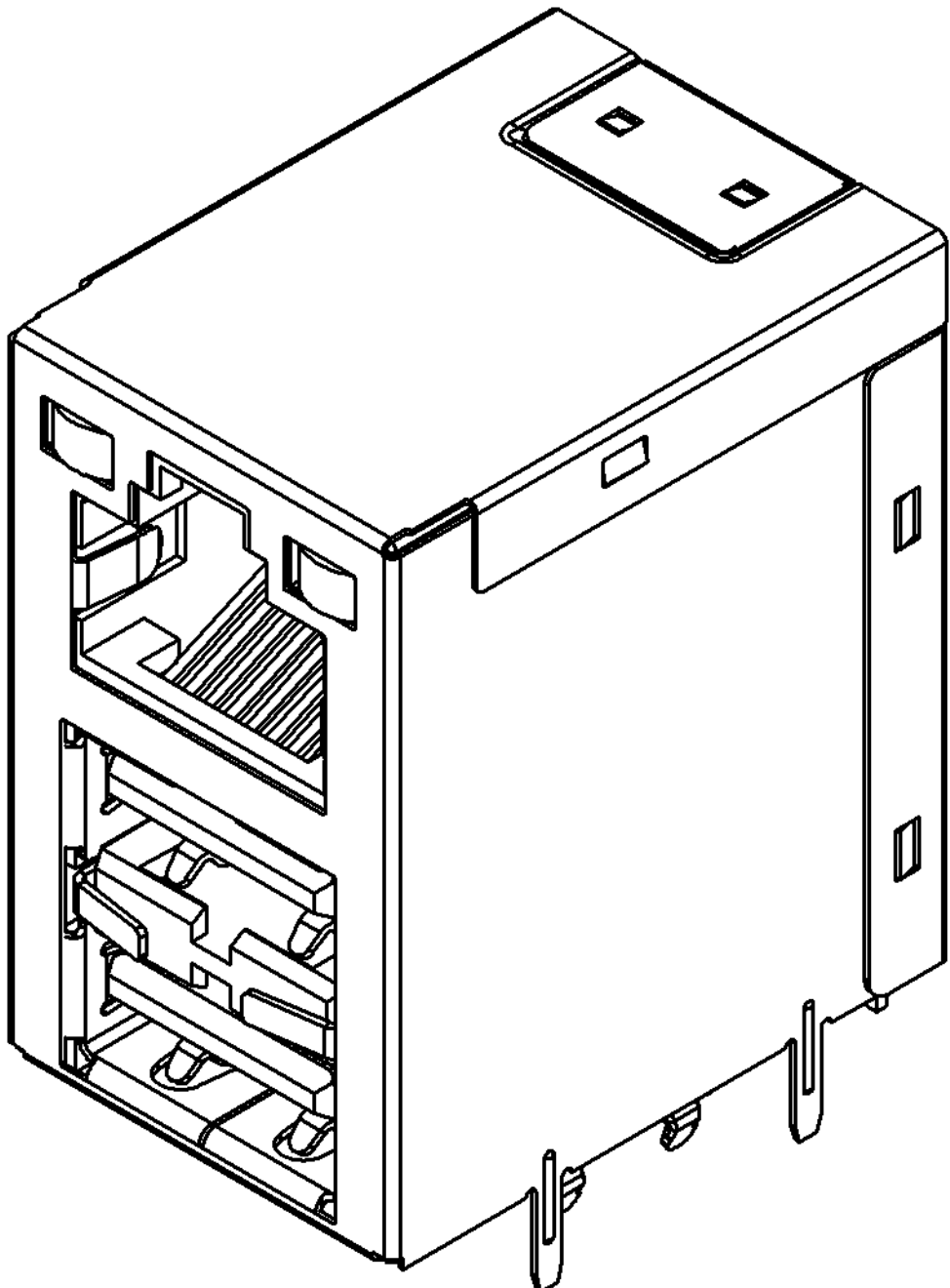
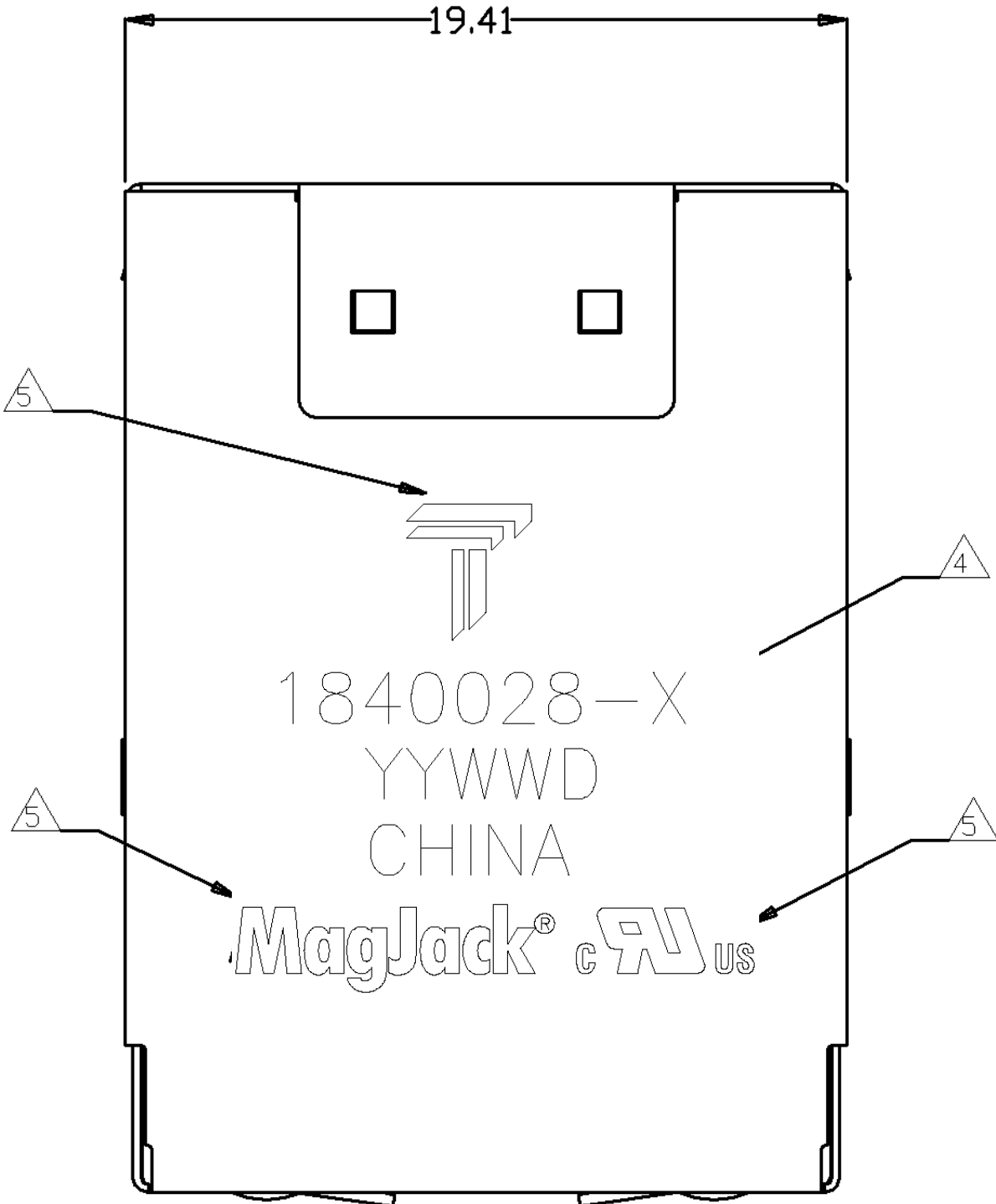
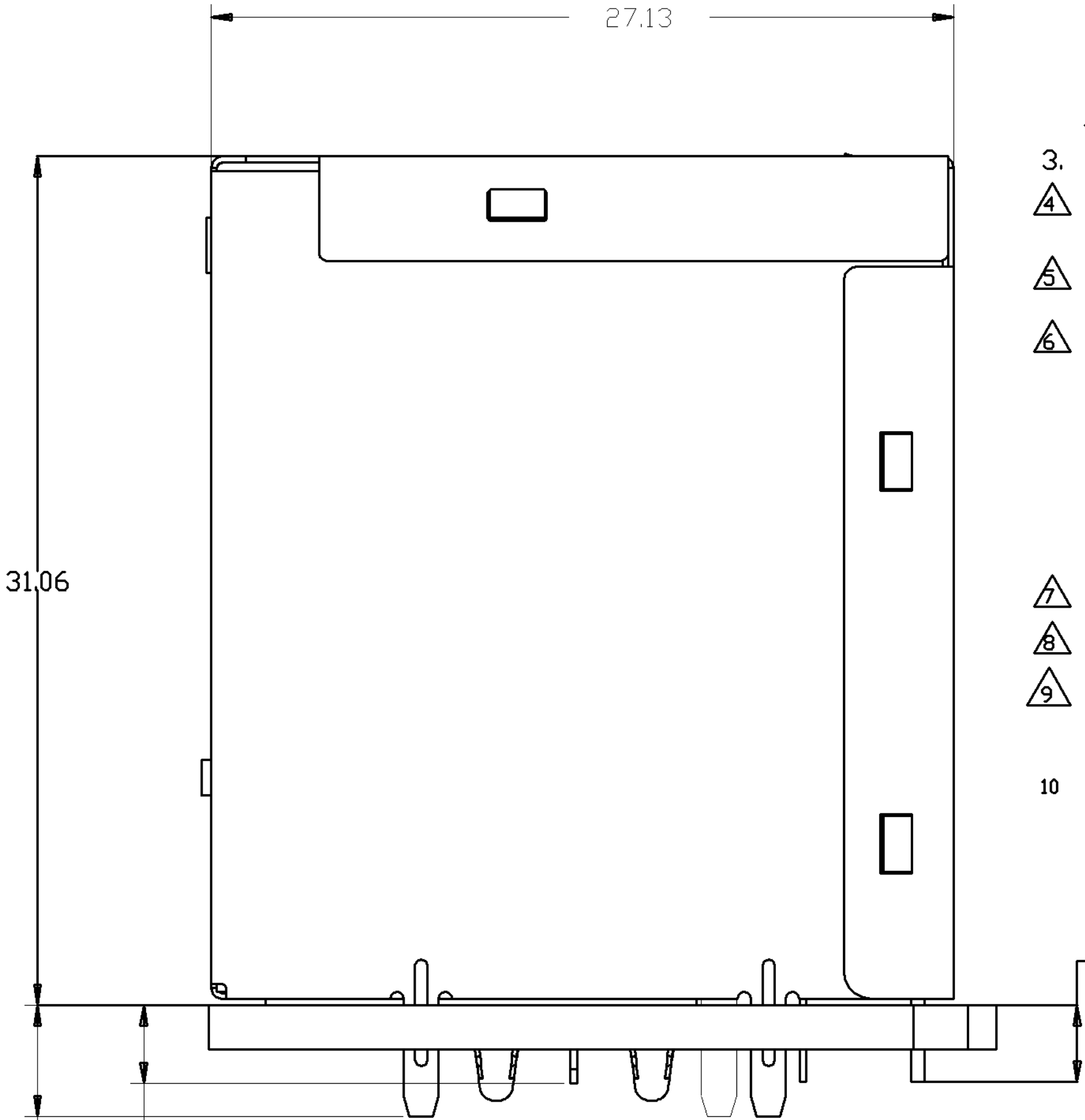
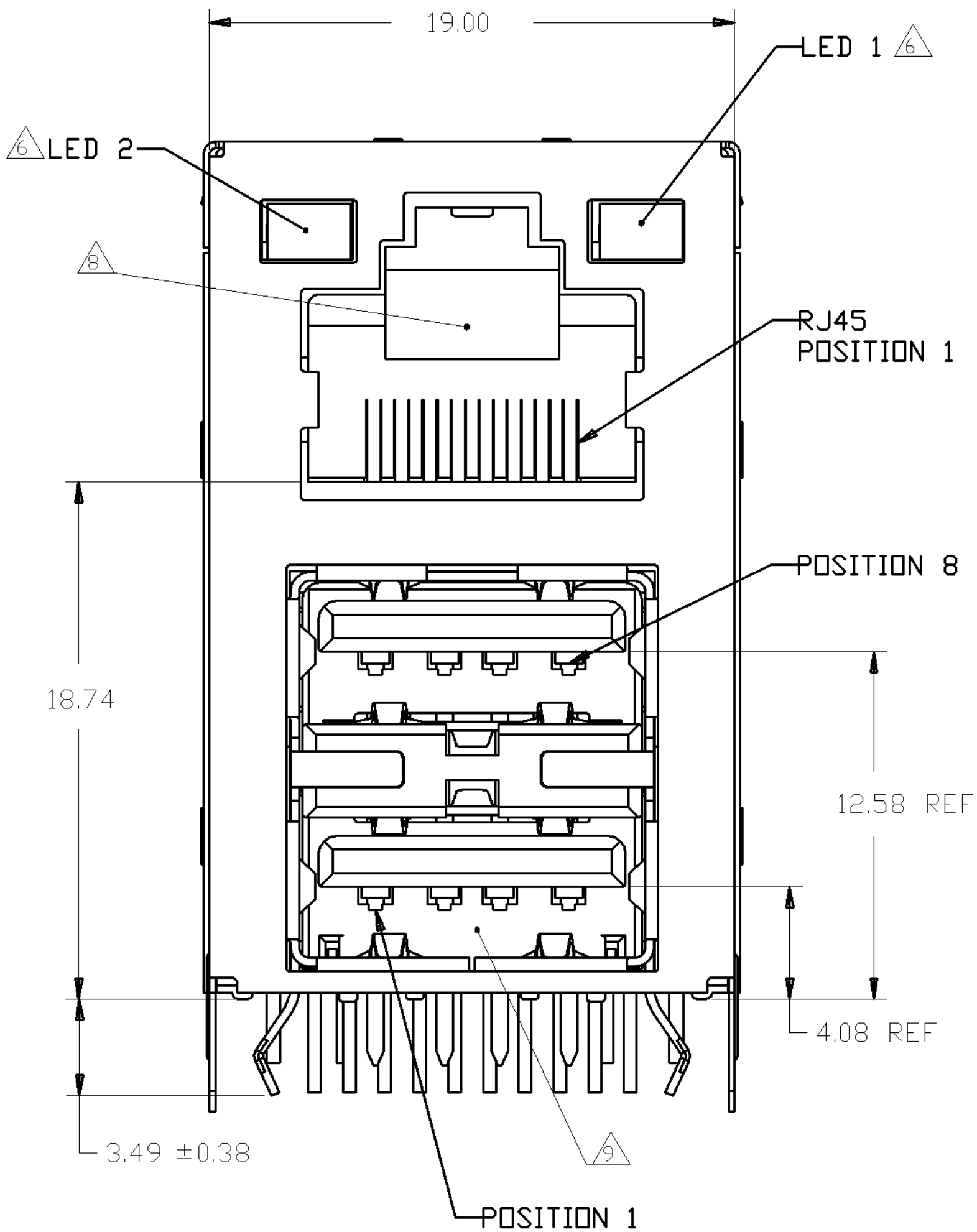




3D VIEW
SCALE 4:1



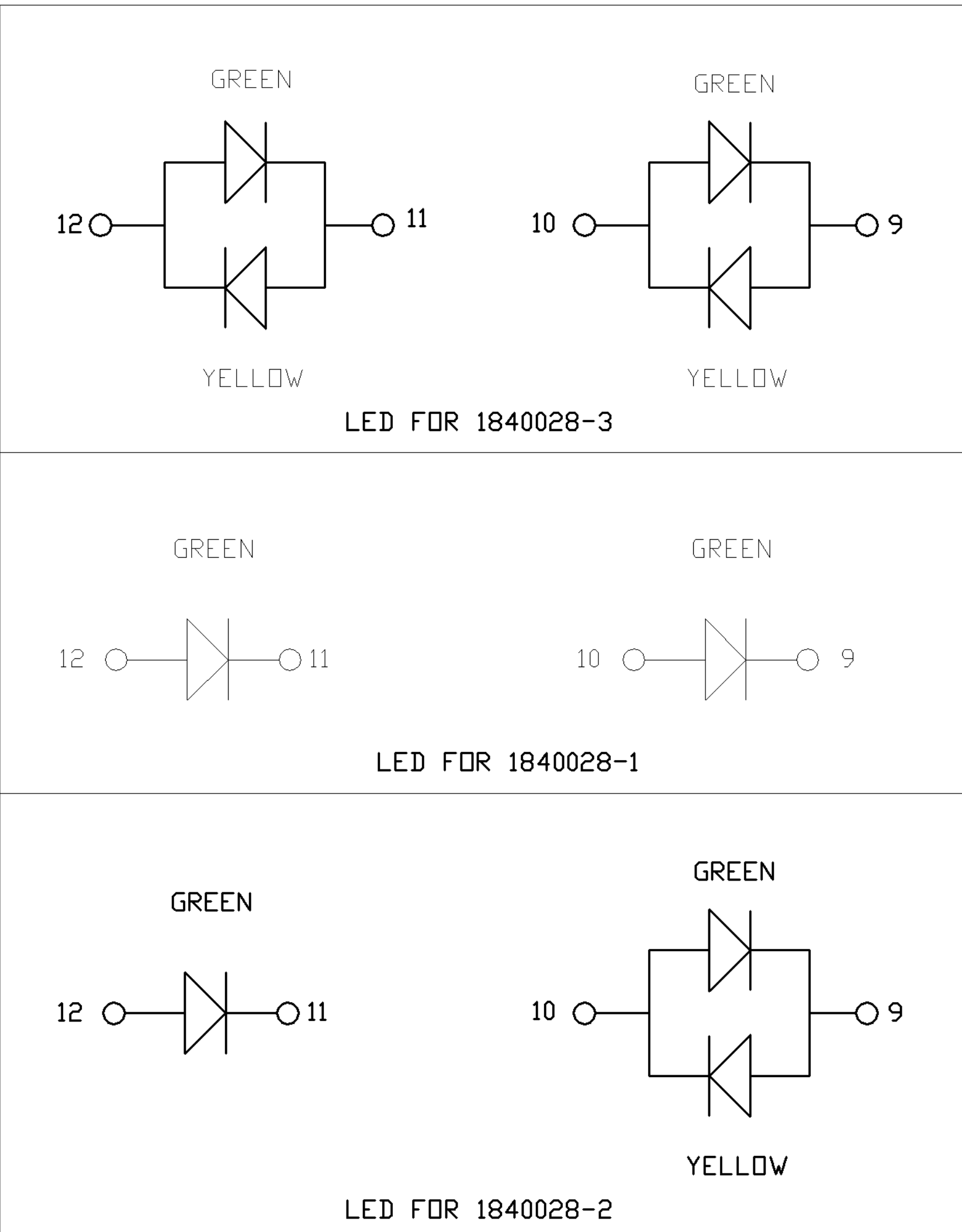
2.84
USB LEADS
8 PLC

4.04
SHIELD LEADS
4 PLC

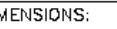
- 1 MATERIALS:
- USB MATERIALS:
- HOUSING: BLACK, THERMOPLASTIC, GLASS FILLED, UL 94V-0 RATED
- SHELL: BRASS, PLATED WITH 2.54µm MIN TIN
- CONTACT: PHOSPHOR BRONZE WITH SELECTIVE GOLD PLATING
- RJ45 MATERIALS:
- HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
- SHIELD: BRASS, PLATED WITH 0.76 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 × 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):350uH 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
- 12-20LOG<f/30>dB 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
- 33-20LOG<f/50> 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 TRP CONNECTOR LOGO TO BE LOCATED IN APPROXIMATE AREA SHOWN.
- △ LEDS TO BE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA, DOMINANT WAVELEGT: 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 LOW 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.

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

THIS DRAWING IS A CONTROLLED DOCUMENT.			DRN SKY ZHAO 12JUN2008		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: MM			CHK EVAN MA 12JUN2008					
			TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APPROVED TEDDY XIONG 12JUN2008		MODEL NAME	
			0.1 P L C ± — 1.1 P C ± — 1.3 P C ± 0.25 1.3 P C ± — 4 ANGLES ± — APPLICATION SPECIFIED		MAGJACK			
PRODUCT SPEC			OVER USB NON-PoE		DESC		MAGJACK OVER DUAL USB UR226P22 10/100 CIRCUIT, W/ LEDS	
108-2100			—		SIZE A1		CAGE CODE	
					DRAWING NO C=1840028		RESTRICTED TO —	
					CUSTOMER DRAWING		SCALE 1:1	
							SHEET 1 OF 2	
							REV D	



RECOMMENDED P.C.B. FOOTPRINT
COMPONENT SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWG NO. 12JAN2008 SKY ZHAO		 trp CONNECTOR a bel group		DONGGUAN CHINA		
DIMENSIONS:		EVALUATION SHEET NO. 12JAN2008 TEDDY XIONG							
MM		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC		MAGJACK OVER DUAL USE UR226P22 10/100 CIRCUIT, W/ LEDS	
		0 PLOC ± - 1 PLOC ± - 3 PLOC ± 0.25 4 PLOC ± - ANGLES ± - APPLICATION SPEC		MAGJACK		SIZE CASE CODE DRAWING NO		RESTRICTED TO	
PRODUCT SPEC		108-2100		OVER USB NON-PoE		A1 C=1840028		-	
CUSTOMER DRAWING				SCALE 1:1		SHEET 2 OF 2		REV D	

Mouser Electronics

Authorized Distributor

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Bel:

1840028-2