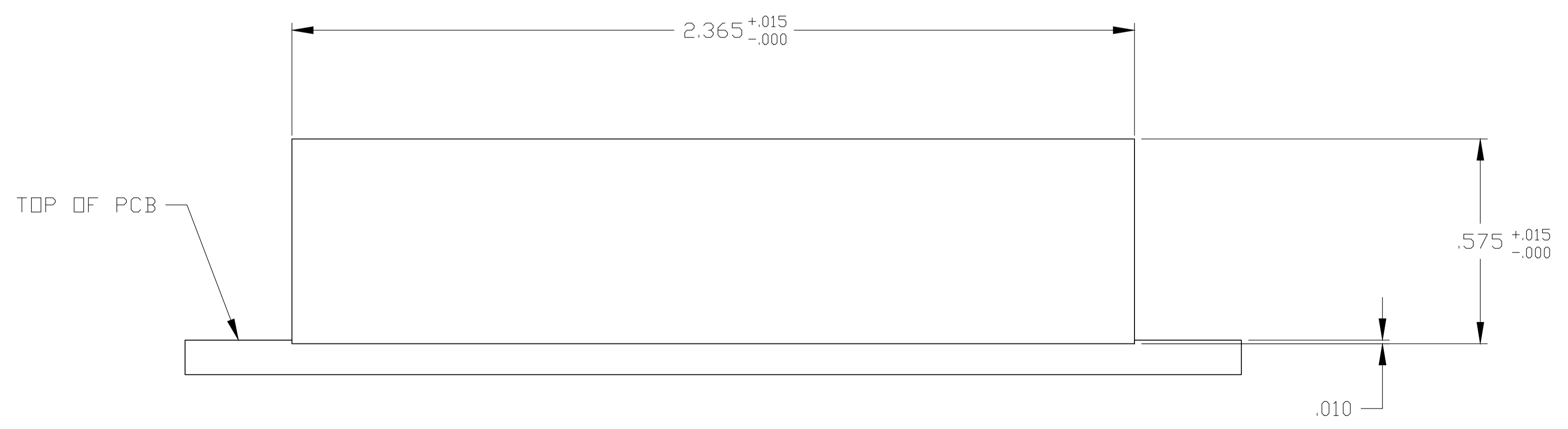
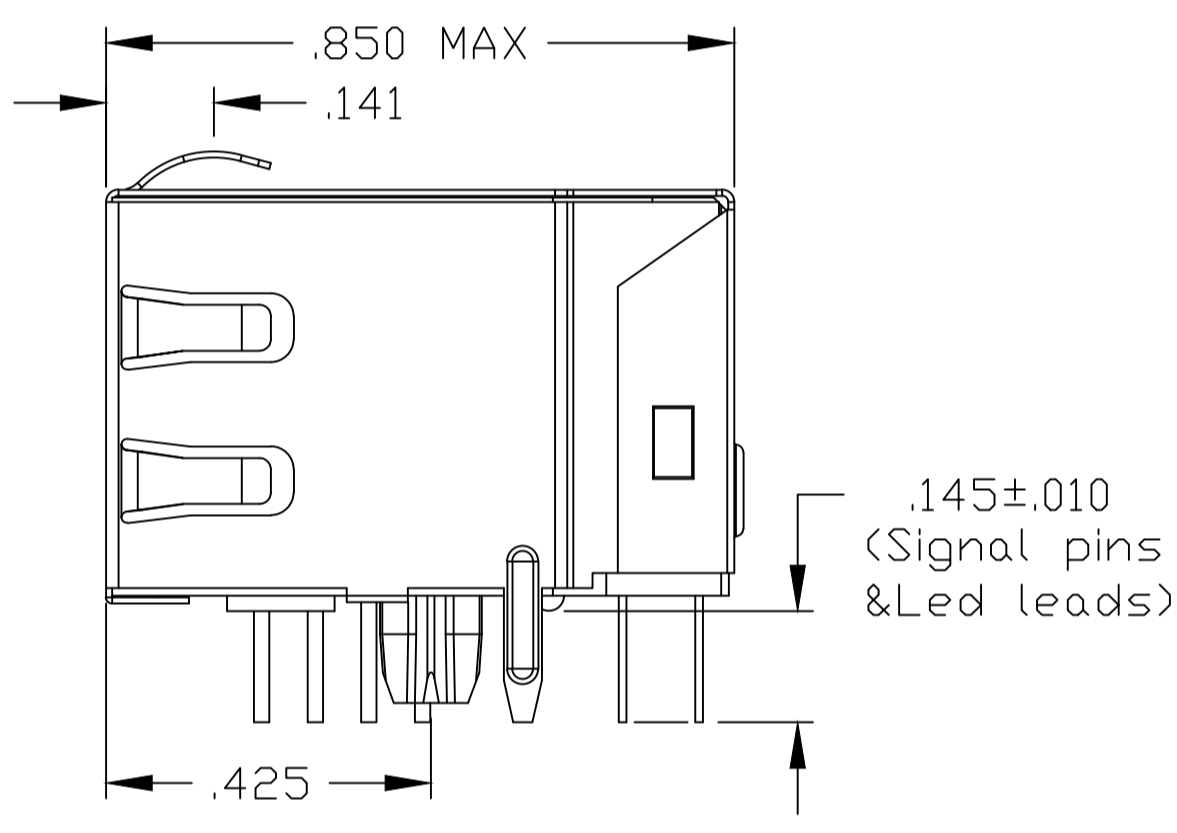
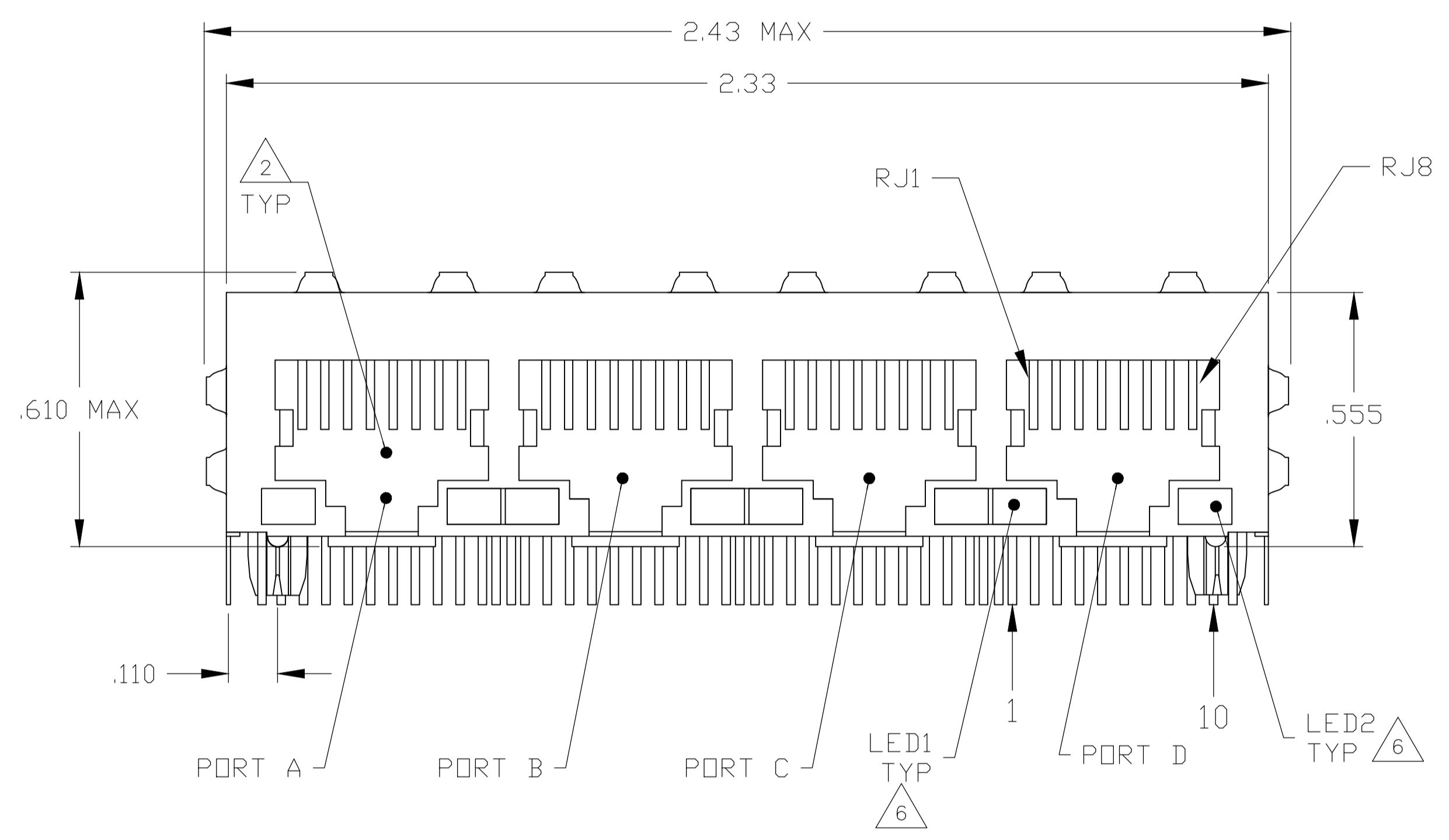
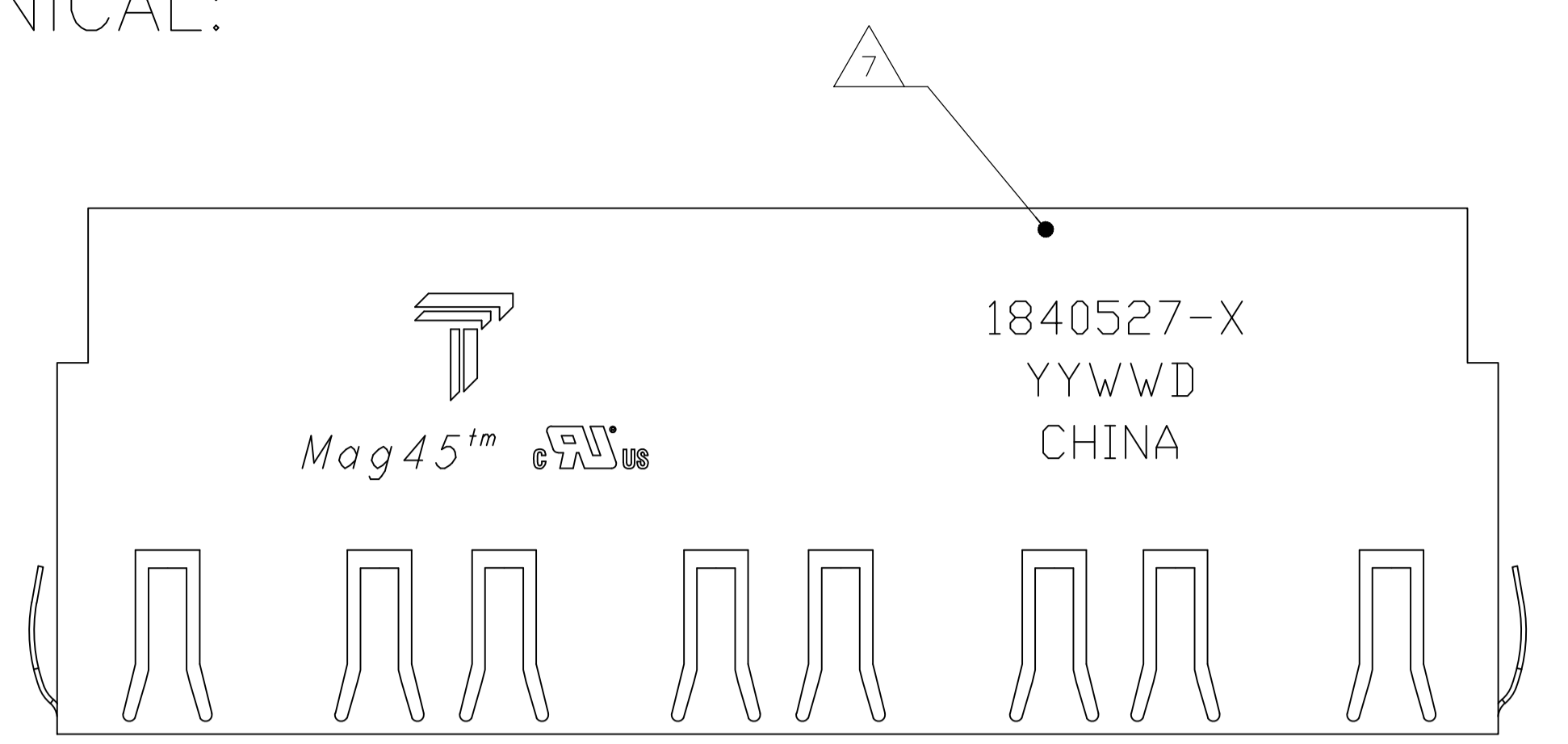


REVISIONS				
P	LTR	DESCRIPTION	DATE	OWN APVD
E		LOGO CHANGE	07APR2013	PP KZ

MECHANICAL:



1X4 SUGGESTED PANEL CUTOUT

**MATERIALS:**  
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.  
 SHIELD - .008" THICK, C26800 BRASS PREPLATED WITH 30uINCH SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100uINCH MIN SAC SOLDER.  
 MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50uINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50uINCH MIN HARD GOLD FINISH PLATE SOLDER TAILS WITH 100uINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.  
 -LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PREPLATED WITH 80 uINCH SILVER OVER 40 uINCH NICKEL UNDERPLATE OVER 40uINCH COPPER UNDERPLATE;  
 POST-PLATED WITH 100 uINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

**MAGNETICS**  
 -APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE  
 -IMPEDANCE: 100 OHMS  
 -TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS  
 -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @ 100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO + 85°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: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.

- 4. OPERATING TEMPERATURE: FROM -40°C TO + 85°C.
- 5. THE MAGNETICS ARE SYMMETRIC, AND SUPPORT AUTO-MDI/MDIX.
- 6. THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS.  
 IF LEDES WITHOUT 250 OHM RESISTOR, LEDES ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA  
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20 mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA  
 IF LEDES WITH BUILT-IN RESISTOR, LEDES ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.  
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V  
 FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V
- 7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 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.

LED1	250 OHMS RESISTOR	LED2	250 OHMS RESISTOR	PART NUMBER
GREEN	YES	GREEN	YES	6-1840527-1
YELLOW	NO	YELLOW	NO	1-1840527-0
YELLOW	NO	GREEN	NO	1840527-9
GREEN	NO	YELLOW	NO	1840527-8
GREEN	NO	GREEN	NO	1840527-7
GREEN/YELLOW	NO	GREEN/YELLOW	NO	1840527-6
GREEN/YELLOW	NO	GREEN	NO	1840527-5
GREEN/YELLOW	NO	GREEN	YES	1840527-4
YELLOW	YES	YELLOW	YES	1840527-3
YELLOW	YES	GREEN	YES	1840527-2
GREEN	YES	YELLOW	YES	1840527-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± .010	3 PLC ± .005	4 PLC ± -	ANGLES ± -	FINISH
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MATERIAL	WEIGHT	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		A1	00779	1840527	

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV E

