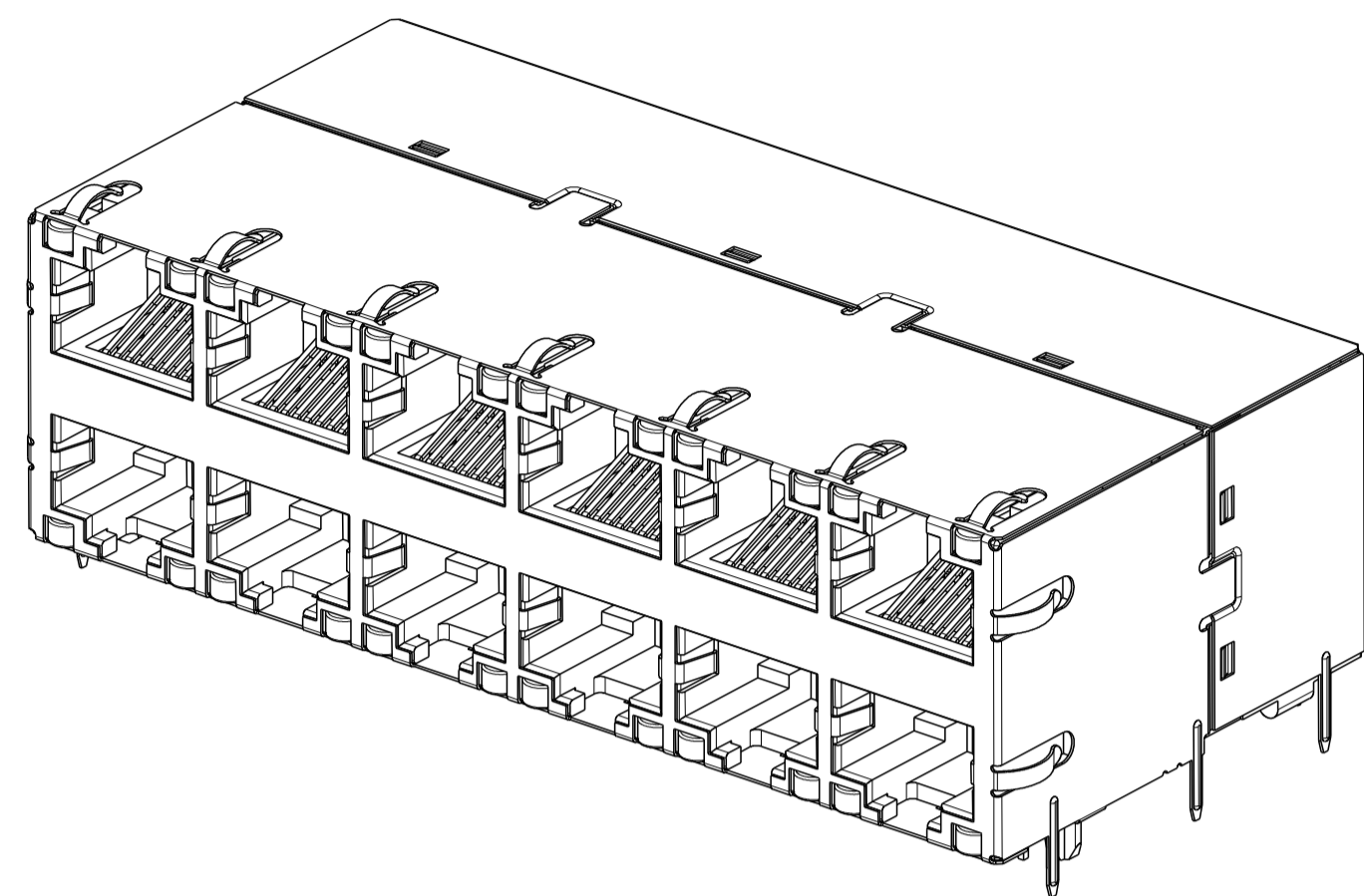
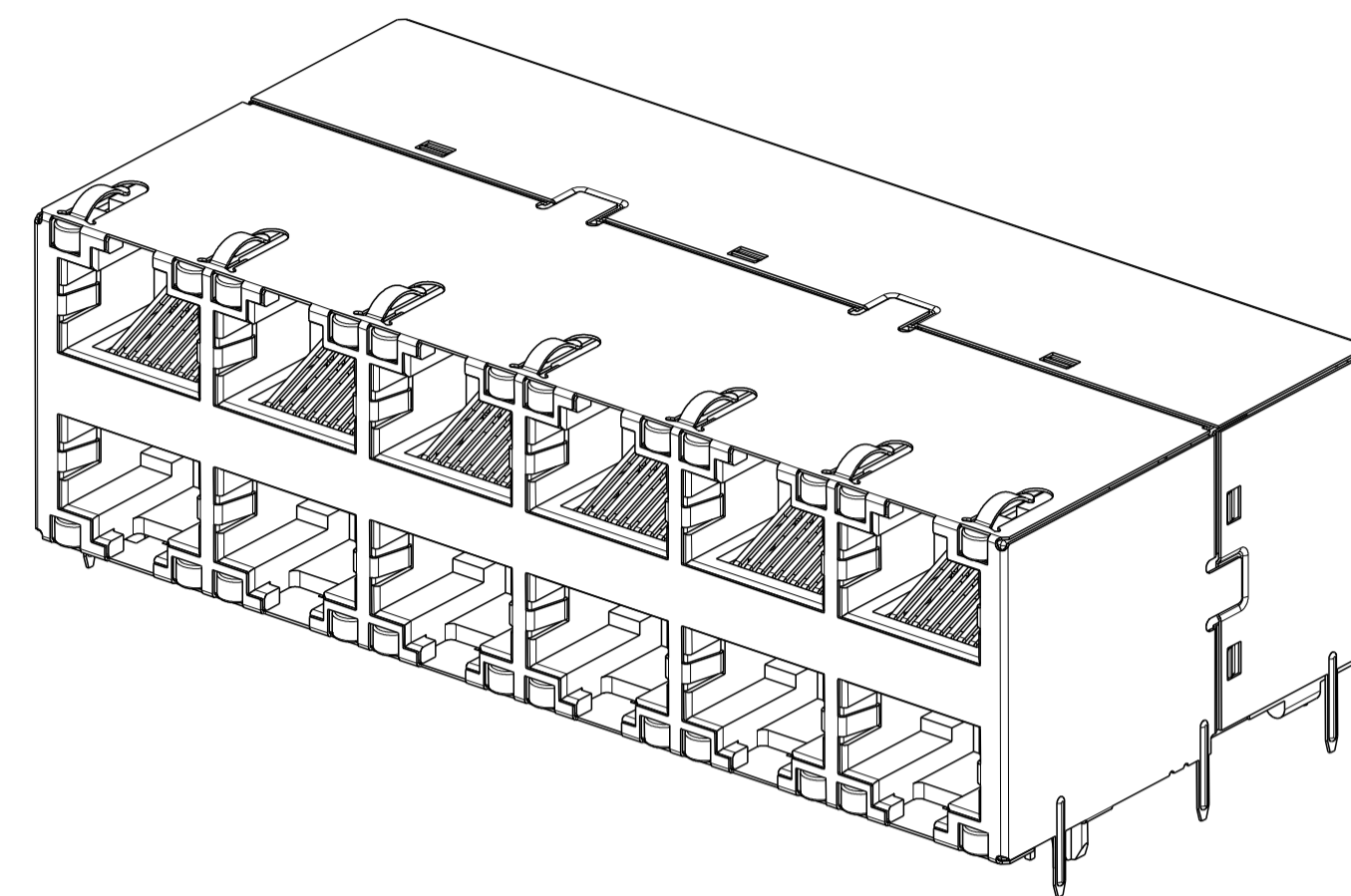


REVISIONS					
P	LTN	DESCRIPTION	DATE	DWN	APVD
C		LOGO CHANGE	18APR2013	RL	KZ



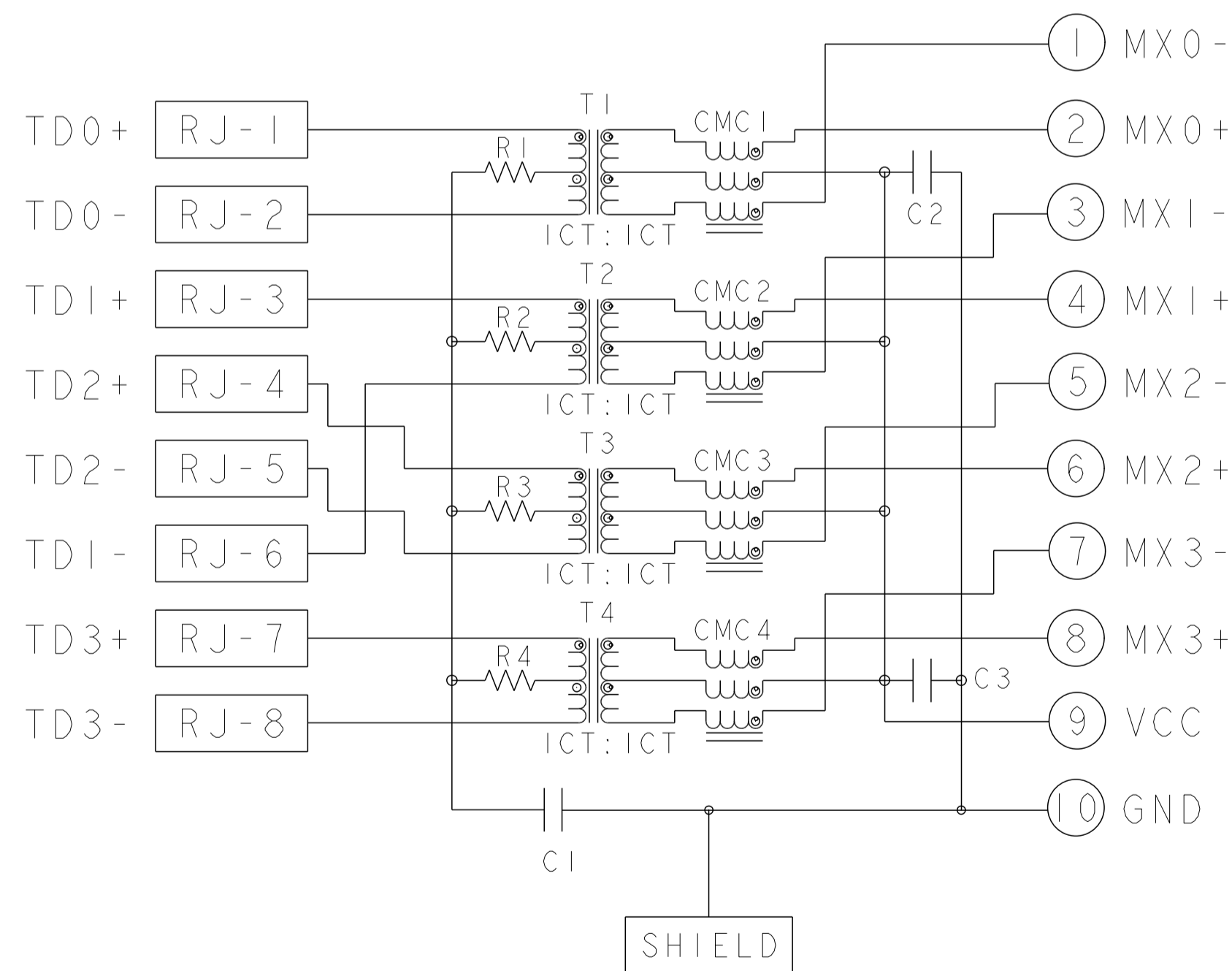
PART NUMBER WITH SIDE TAB



PART NUMBER WITHOUT SIDE TAB

S8G56 GIGABIT CIRCUIT

TOP AND BOTTOM PORTS



C1 = 1000pF, 2kV DECOUPLING CAPACITOR
 C2 - C3 = 10nF, 50V CAPACITOR
 R1-R4 = 75 Ω, 1/16 W, RESISTORS

1. MATERIALS:
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE
 WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN
 MATTE TIN ON SOLDER TAILS.
 LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
 ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
 UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH
 2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

MAGNETICS:
 APPLICATION: 10/100/1000 BASE-T,
 IMPEDANCE: 100 OHMS
 TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100KHz, 0.1VRMS,
 8mA DC 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 1.0MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 1.0MHz TO 40MHz
 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 1.0MHz TO 40MHz
 33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR):
 30dB MIN FROM 1.0MHz TO 100MHz
 ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC
 AND WITH ALL PORTS CONNECTED.

PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN APPROXIMATE AREA SHOWN
 DATE CODE: YYWD WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK,
 WITH SUNDAY =1

TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE LOCATED
 IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM 0°C TO 70°C.

6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MD1/MDIX.

DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
 GREATER THAN 5.08mm.

LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
 LED COLOR: DOMINANT WAVELENGTH (ID): GREEN 568 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
 DOMINANT WAVELENGTH (ID): YELLOW 588 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
 DOMINANT WAVELENGTH (ID): ORANGE 605 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA

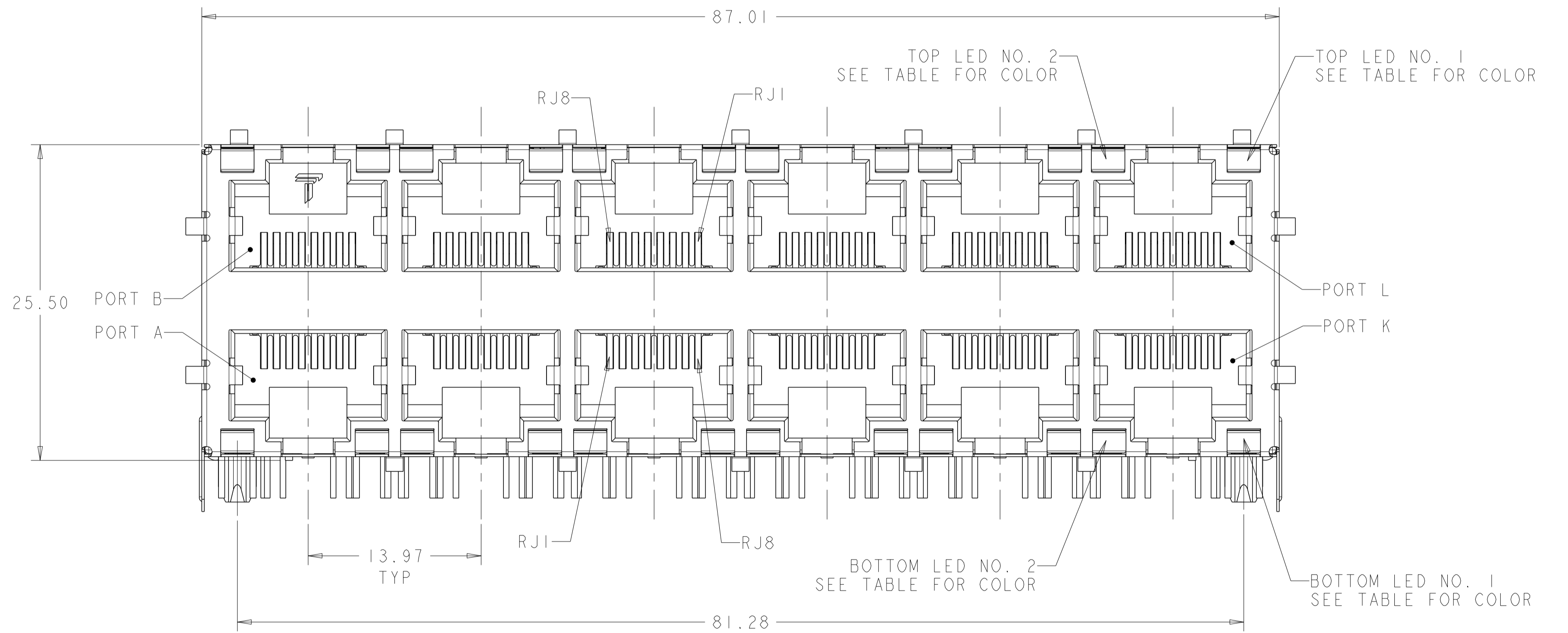
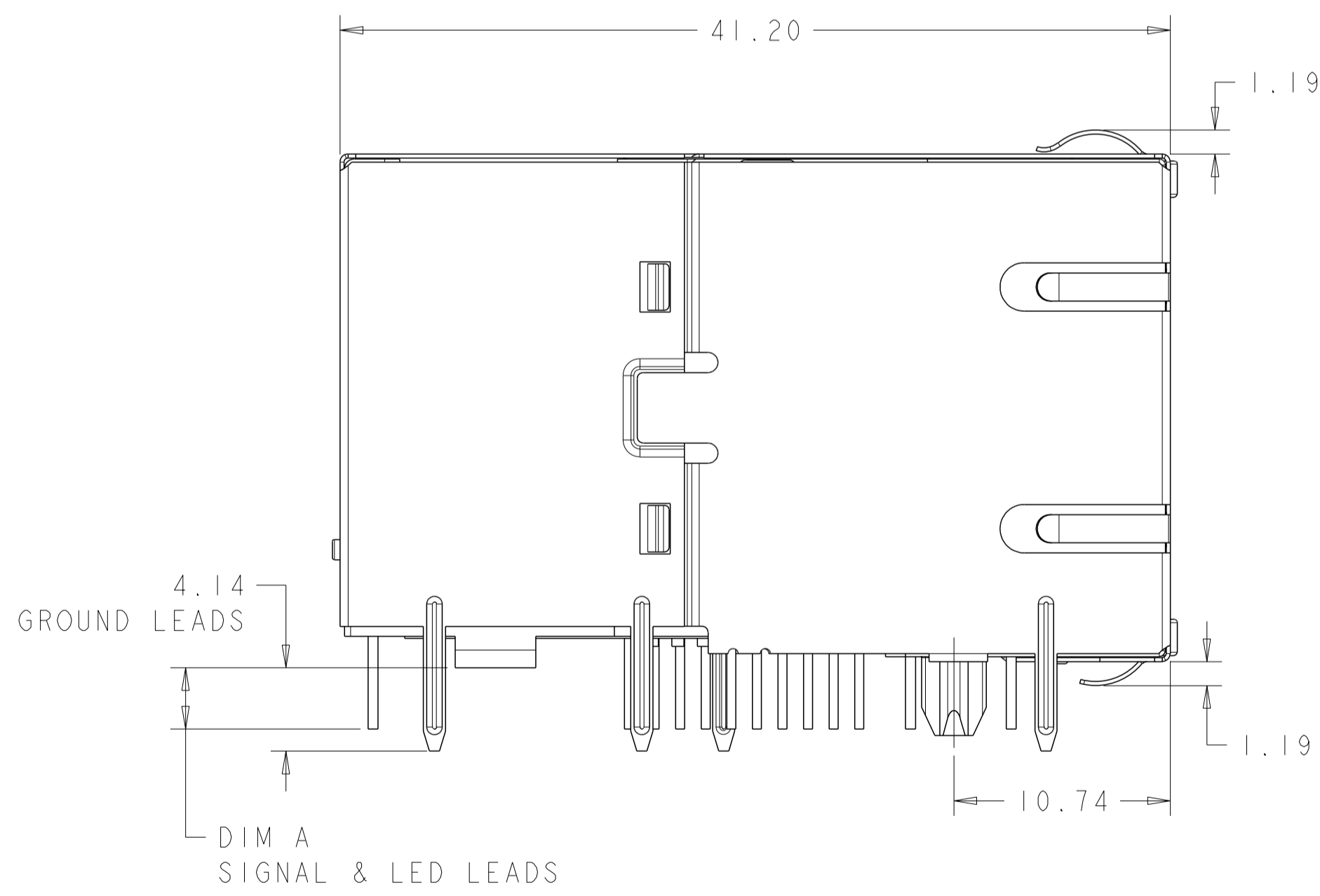
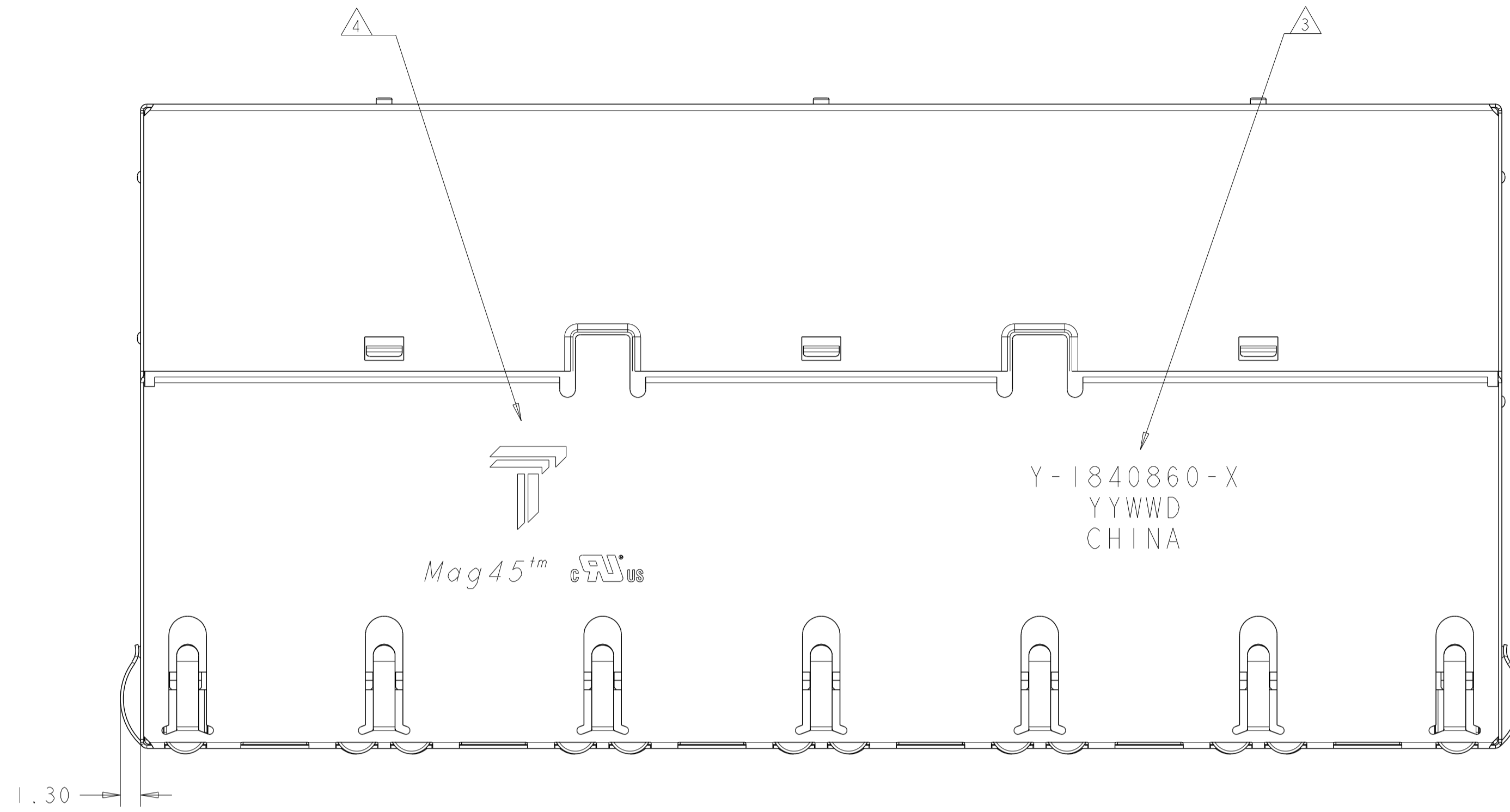
11. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C
 FOR 10 SECONDS

NO	3.04	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	9-1840860-4
NO	2.79	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	2-1840860-4
YES	2.29	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	1-1840860-7
YES	2.29	GREEN	GREEN/ORANGE	GREEN	GREEN/ORANGE	1-1840860-6
YES	2.29	GREEN/YELLOW	GREEN	GREEN/YELLOW	GREEN	1-1840860-5
YES	2.29	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	1-1840860-4
YES	2.29	GREEN	YELLOW	GREEN	YELLOW	1-1840860-3
YES	2.29	YELLOW	GREEN	GREEN	YELLOW	1-1840860-2
YES	2.29	GREEN	GREEN	GREEN	GREEN	1-1840860-1
YES	3.04	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	GREEN/ORANGE	1840860-7
YES	3.04	GREEN	GREEN/ORANGE	GREEN	GREEN/ORANGE	1840860-6
YES	3.04	GREEN/YELLOW	GREEN	GREEN/YELLOW	GREEN	1840860-5
YES	3.04	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	1840860-4
YES	3.04	GREEN	YELLOW	GREEN	YELLOW	1840860-3
YES	3.04	YELLOW	GREEN	GREEN	YELLOW	1840860-2
YES	3.04	GREEN	GREEN	GREEN	GREEN	1840860-1
SIDE TAB	DIM A	BOTTOM LED NO. 2	BOTTOM LED NO. 1	TOP LED NO. 2	TOP LED NO. 1	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

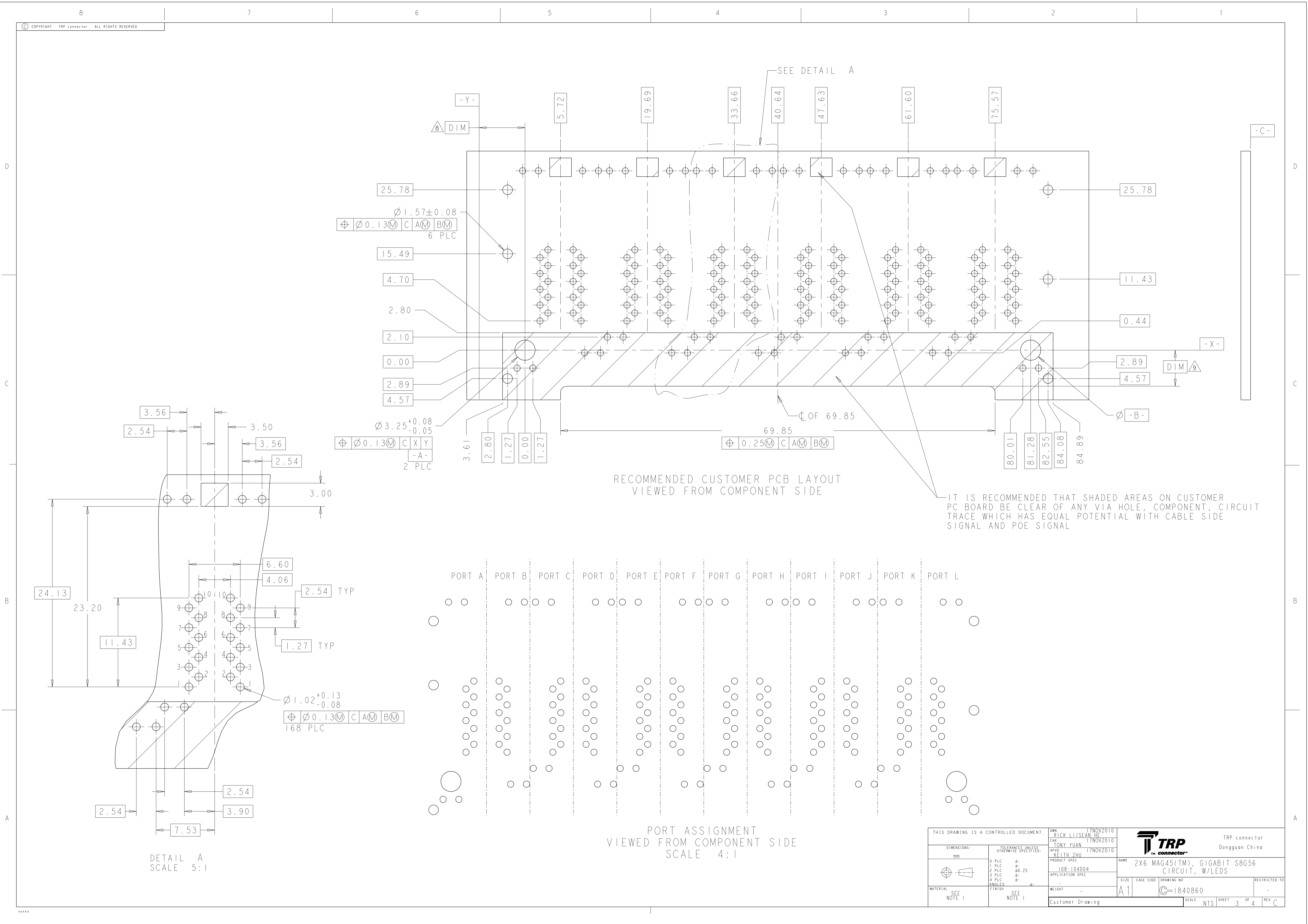
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 P.L.C ± 1 P.L.C ± 2 P.L.C ±0.25 3 P.L.C ± 4 P.L.C ± ANGLES ±°	DWN: RICK LI/SEAN HE 17NOV2010 CHE: TONY YUAN 17NOV2010 APVD: KEITH ZHU 17NOV2010	 TRP connector Dongguan China
MATERIAL: SEE NOTE 1	FINISH: SEE NOTE 1	PRODUCT SPEC: 108-104004 APPLICATION SPEC:	NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT, W/LEDS SIZE: A1 CAGE CODE: 1840860 DRAWING NO:

Customer Drawing SCALE: NTS SHEET 1 OF 4 REV C

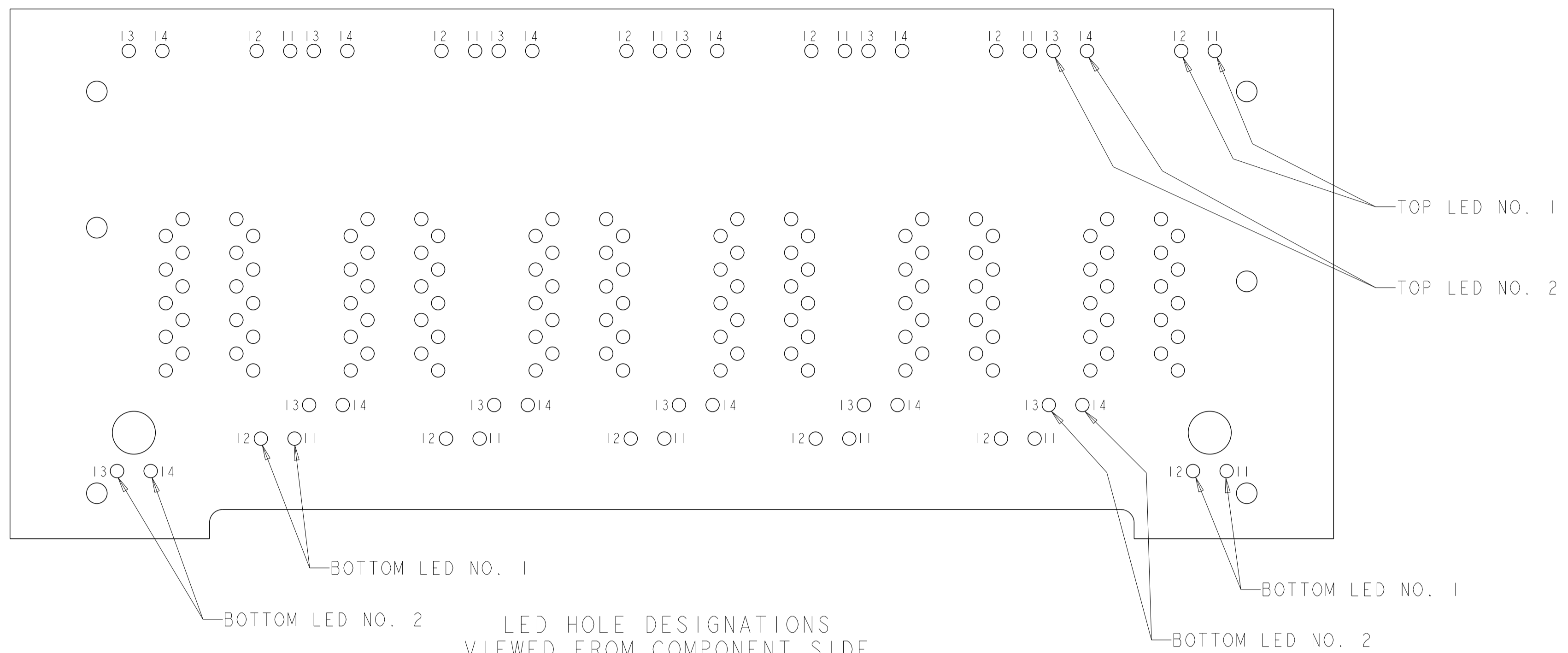


THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ° FINISH		DWN: RICK LI/SEAN HE 17NOV2010 CHE: TONY YUAN 17NOV2010 APVD: KEITH ZHU 17NOV2010		TRP connector Dongguan China	
MATERIAL: SEE NOTE 1		FINISH: SEE NOTE 1		PRODUCT SPEC: 108-104004 APPLICATION SPEC:		NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT, W/LEDS SIZE: A1 CAGE CODE: 1840860 DRAWING NO:	
Customer Drawing				WEIGHT: - SCALE: NTS		RESTRICTED TO: - SHEET 2 OF 4 REV C	

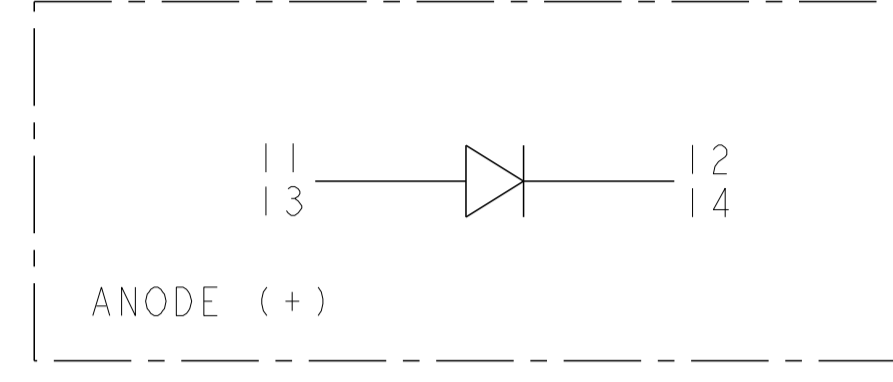


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RICK LI/SEAN HE 17NOV2010	 TRP connector Dongguan China
DIMENSIONS: mm		CHK: TONY YUAN 17NOV2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: KEITH ZHU 17NOV2010	
0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± FINISH	MATERIAL SEE NOTE 1 FINISH SEE NOTE 1	PRODUCT SPEC: 108-104004 APPLICATION SPEC:	NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT, W/LEDS SIZE: A1 CAGE CODE: 1840860 DRAWING NO:
Customer Drawing			RESTRICTED TO: - SCALE: NTS SHEET: 3 OF 4 REV: C

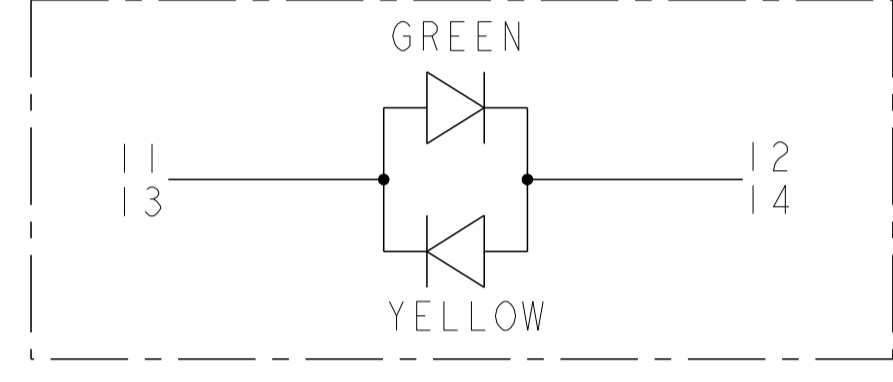


LED HOLE DESIGNATIONS
 VIEWED FROM COMPONENT SIDE
 SCALE 4:1

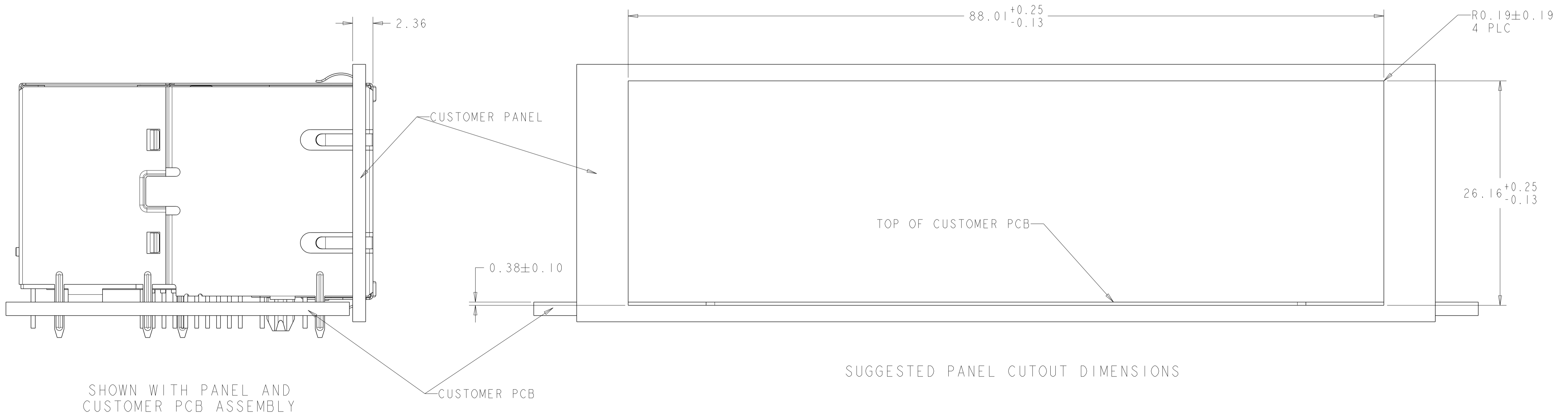
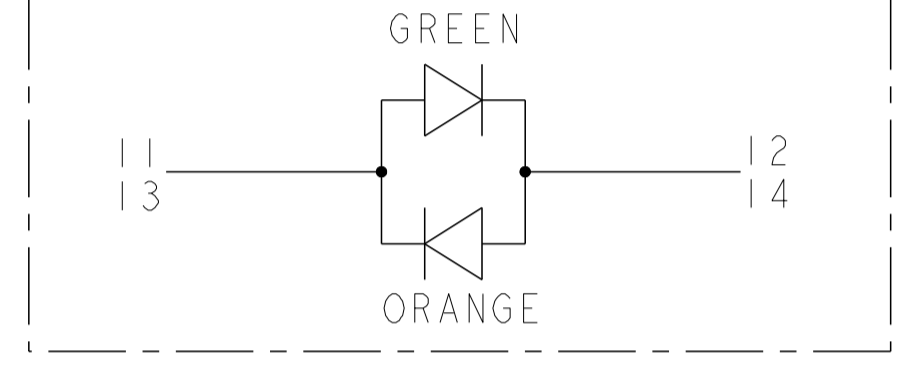
SINGLE COLOR LED



BI-COLOR LED



BI-COLOR LED



SUGGESTED PANEL CUTOUT DIMENSIONS

SHOWN WITH PANEL AND
 CUSTOMER PCB ASSEMBLY

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RICK LI/SEAN HE 17NOV2010	 TRP connector Dongguan China					
DIMENSIONS: mm		CHK: TONY YUAN 17NOV2010						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: KEITH ZHU 17NOV2010						
0 PLC ±	1 PLC ±	2 PLC ±0.25	3 PLC ±	4 PLC ±	ANGLES ±	FINISH SEE NOTE 1	PRODUCT SPEC: 108-104004	NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT, W/LEDS
MATERIAL: SEE NOTE 1	SEE NOTE 1	WEIGHT: -	SIZE: A1	CAGE CODE: -	DRAWING NO: C=1840860	RESTRICTED TO: -	Customer Drawing	SCALE: NTS
		SHEET 4 OF 4		REV C				