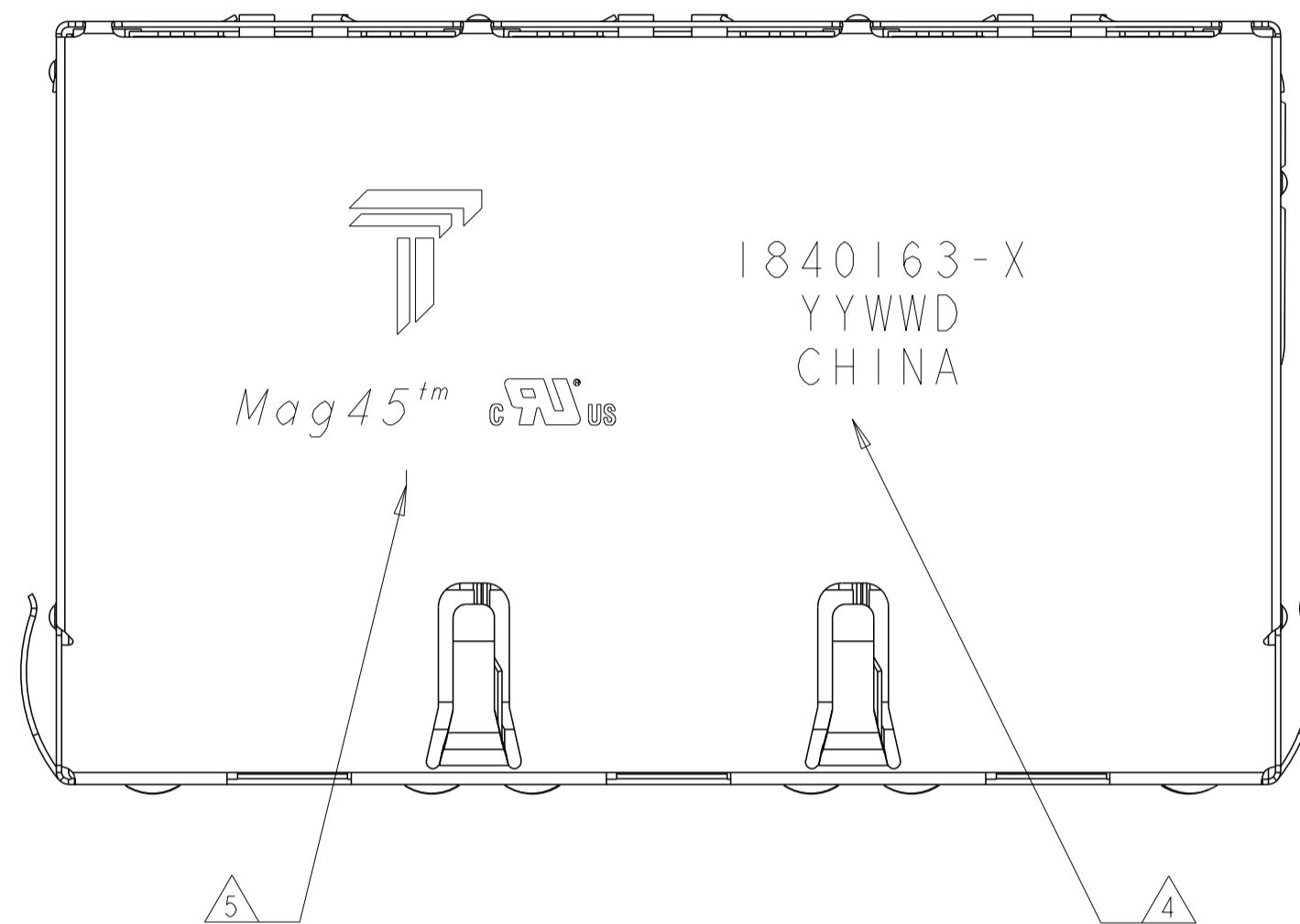
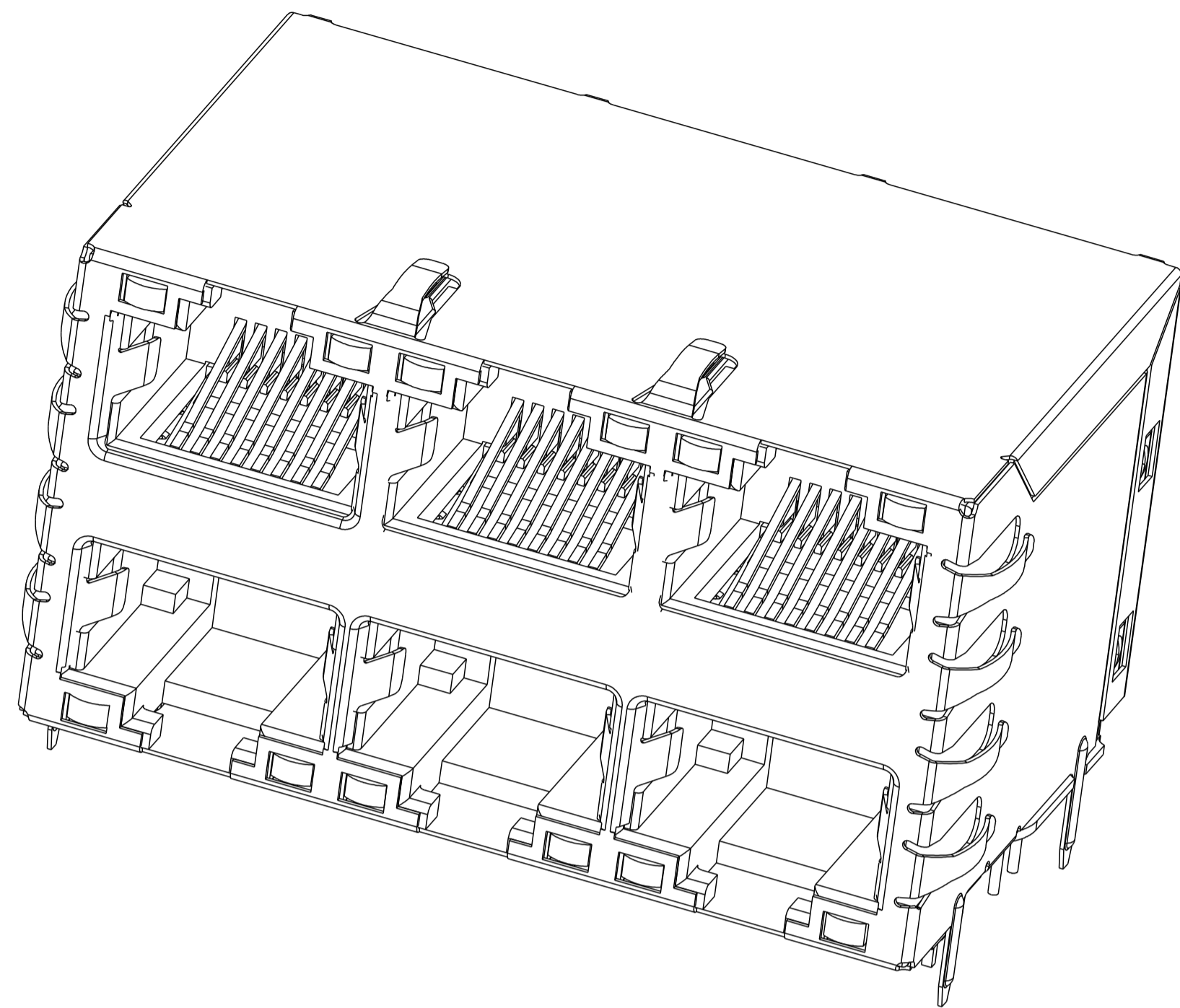


REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
C		CHANGE LOGO	15APR2013	GZ	KZ



- △ 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
 LEADS 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
 INTERNAL MAGNETICS PC BOARDS: HIGH TEM. PCB, TG>170°C
- △ 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,
 8mADC 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 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 SECS WITH RISE TIME OF 500V/SEC
 AND WITH ALL PORTS CONNECTED

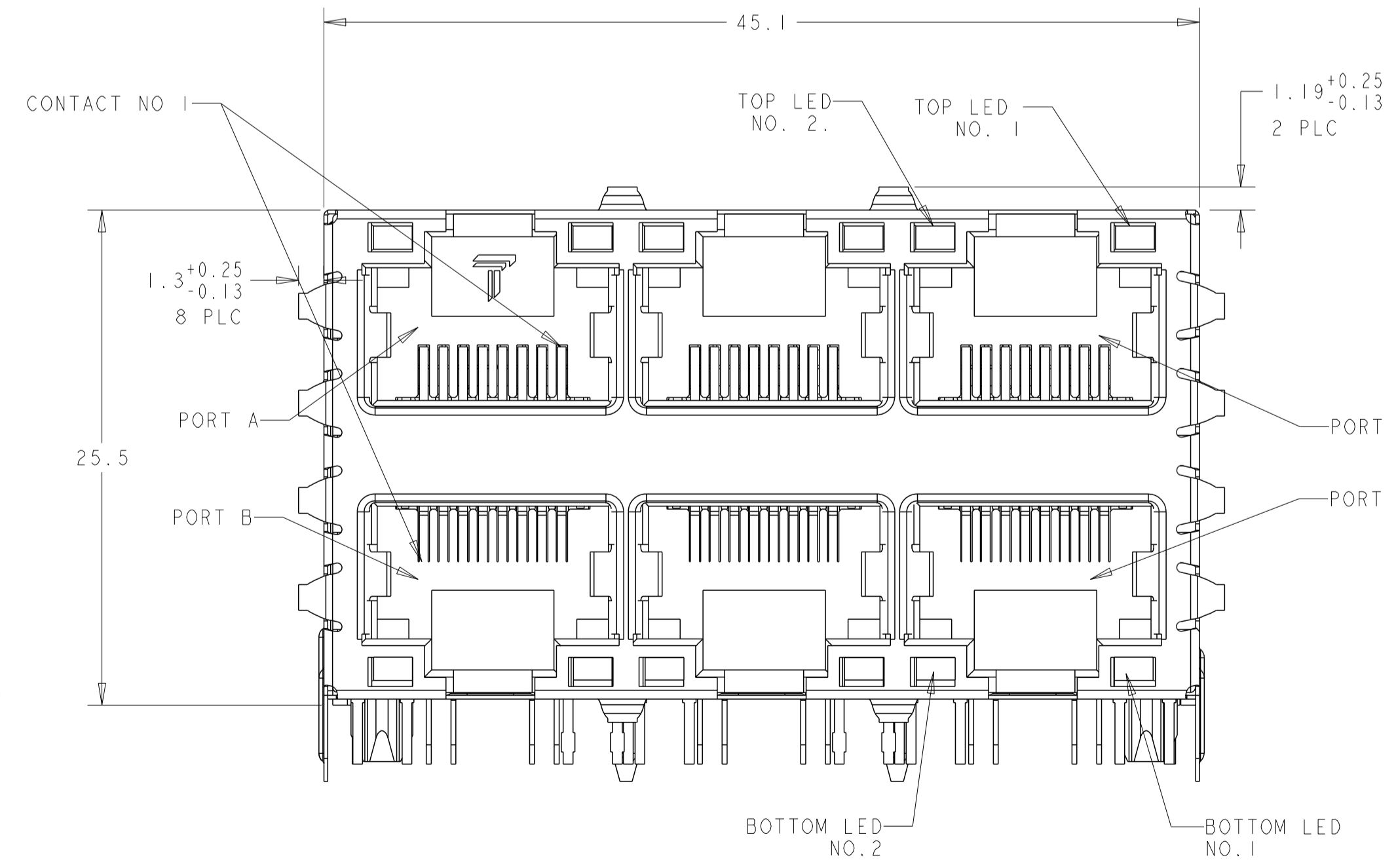
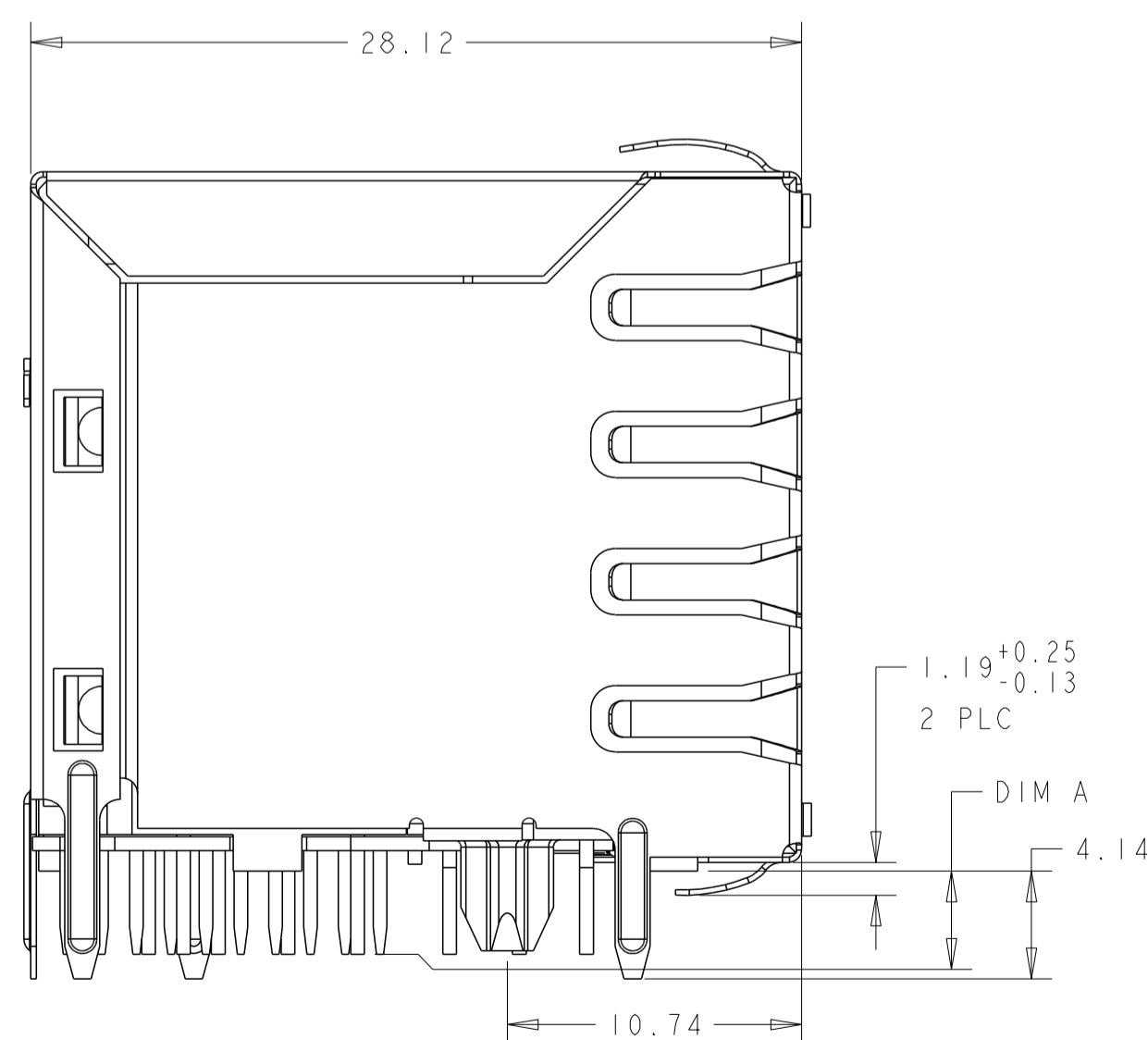
- △ THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- △ PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN THE APPROXIMATE AREA SHOWN. DATE CODE: YYWWD, "YY" IS YEAR, "WW" IS WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
- △ AGENCY APPROVAL LOGO AND TRP LOGO TO BE LOCATED IN THE APPROXIMATE AREA SHOWN.

6. LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
 LED COLOR:

- DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @IF=20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
- DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @IF=20mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
- DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @IF=20mA
 FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA

- △ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- △ BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT NOT TO BE GREATER THAN 5.08.

- 9. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F
- 10. OPERATING TEMPERATURE: 0°C TO +70°C.
- 11. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX
- 12. WELDING ALL SIGNAL PINS WITH BOTTOM PCB



3.04	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	1840163-7
3.04	GREEN	GRN/ORA	GREEN	GRN/ORA	1840163-6
3.04	GRN/YEL	GREEN	GRN/YEL	GREEN	1840163-5
3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840163-4
3.04	GREEN	YELLOW	GREEN	YELLOW	1840163-3
3.04	YELLOW	GREEN	GREEN	YELLOW	1840163-2
3.04	GREEN	GREEN	GREEN	GREEN	1840163-1
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.

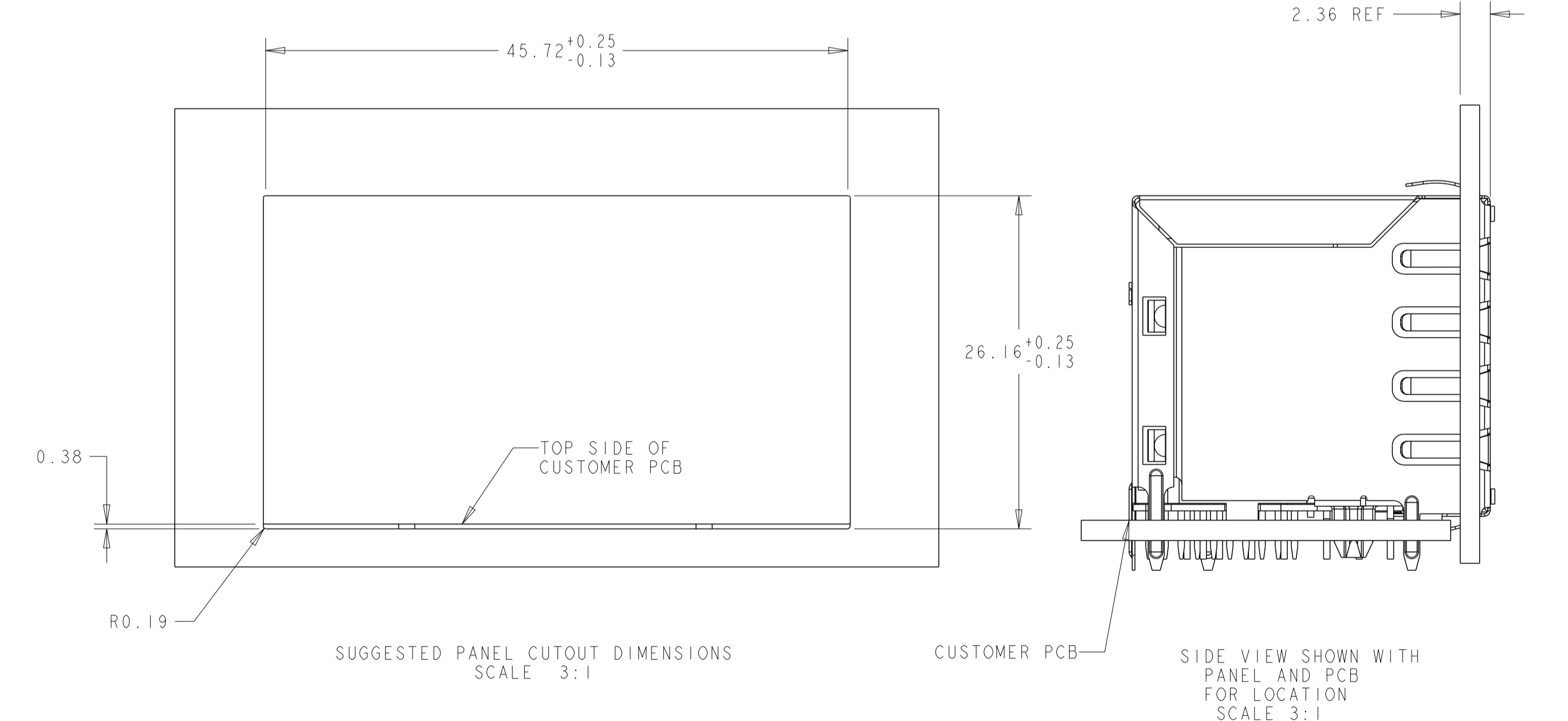
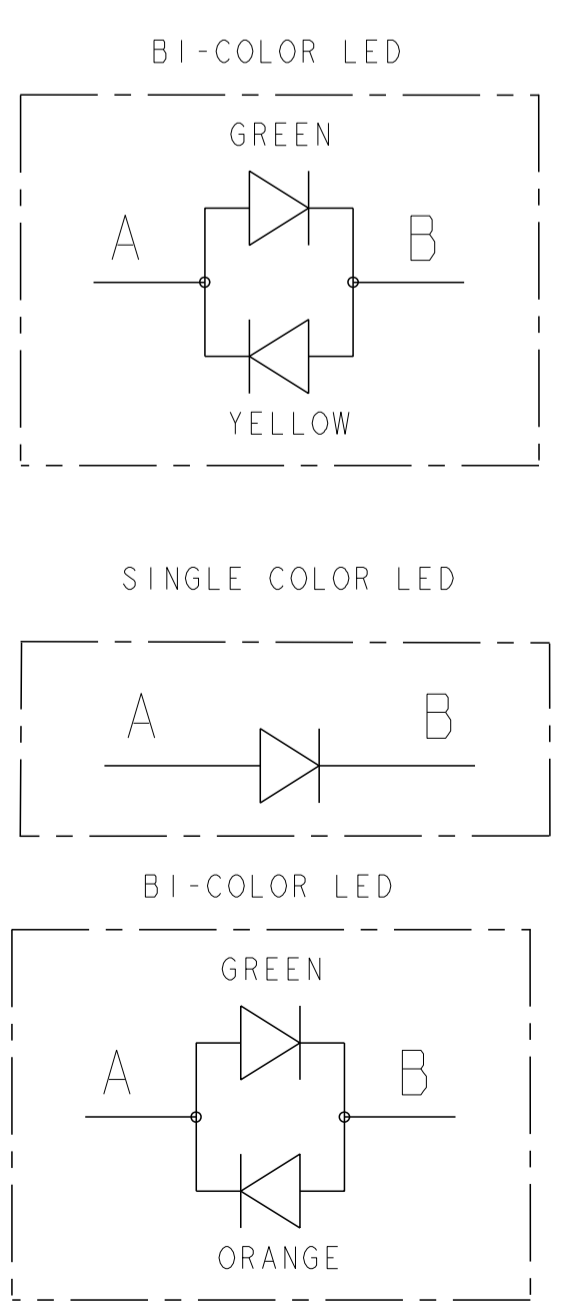
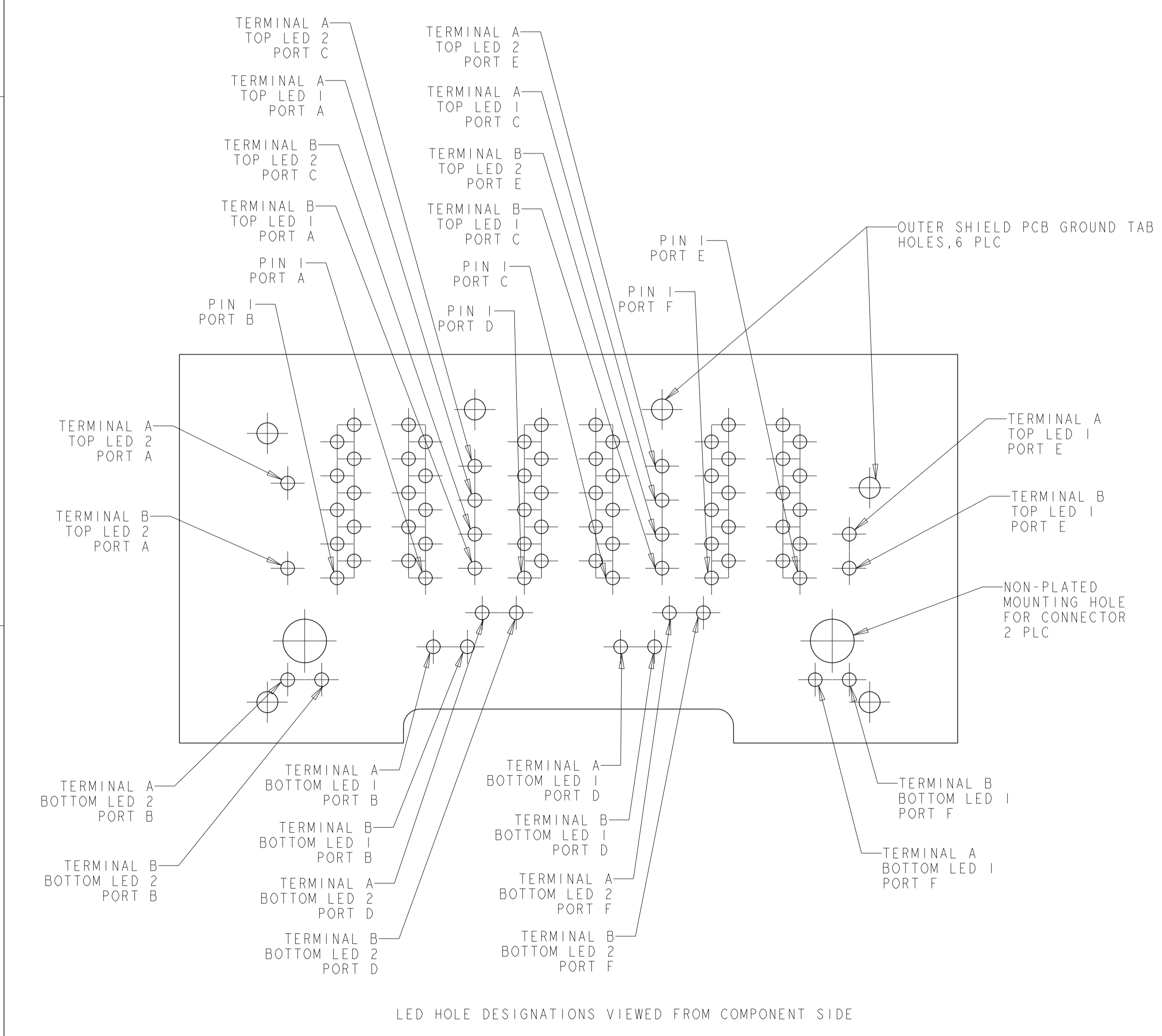
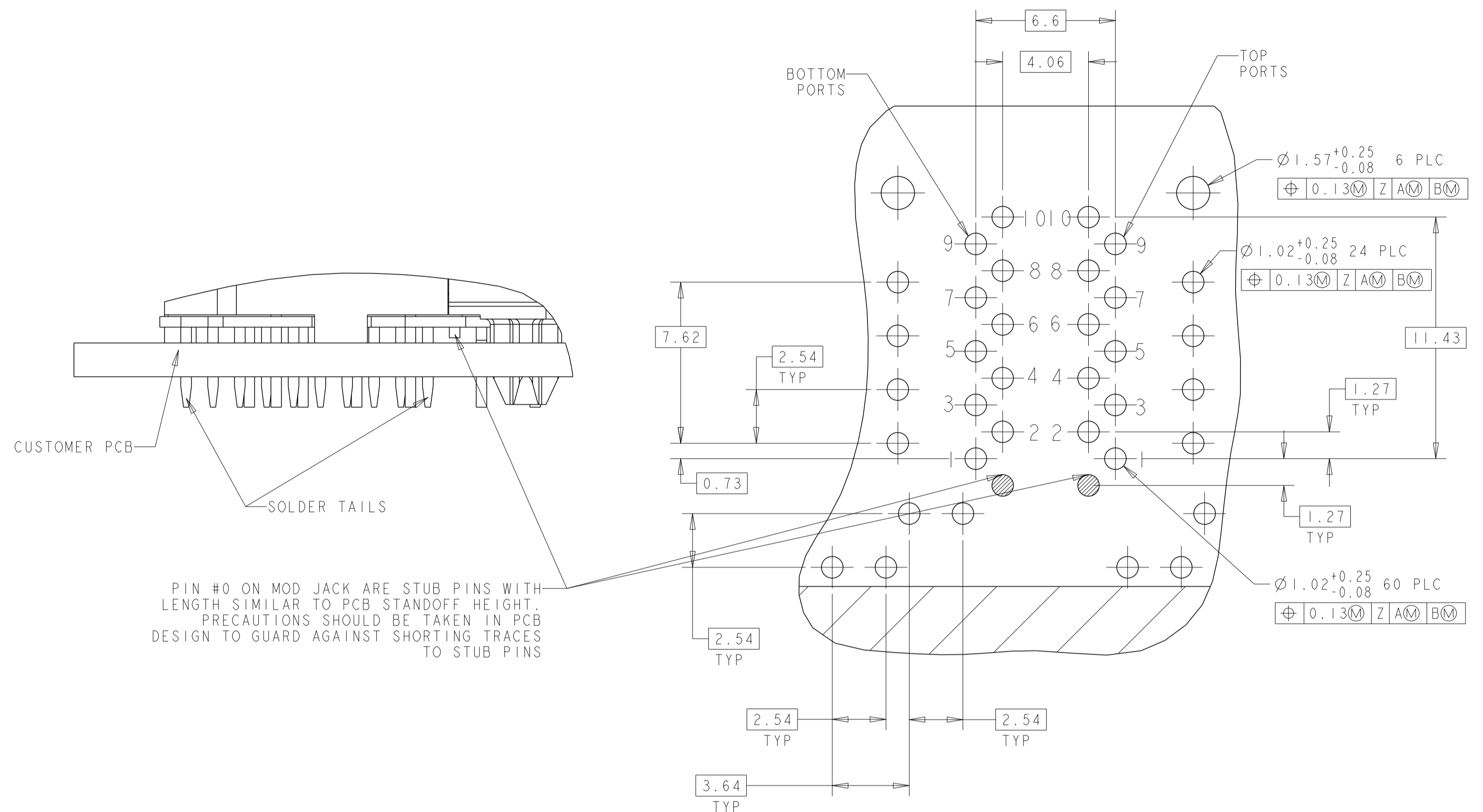
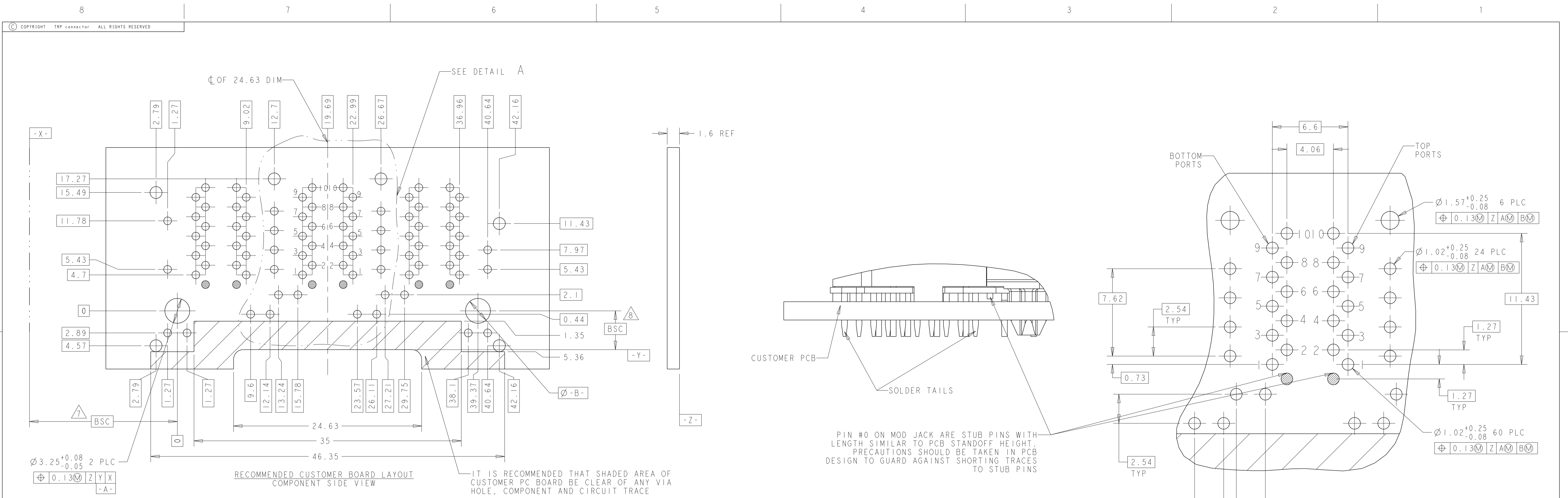
APVD: TOMMY REN 28MAY2007
 CHK: KEITH ZHU 28MAY2007
 APVD: TEDDY XIONG 28MAY2007

DIMENSIONS: mm
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ±0.25
 1 PLC ±0.25
 2 PLC ±0.25
 3 PLC ±0.25
 4 PLC ±0.25
 ANGLES ±

MATERIAL:

NAME: 2X3 MAG45(TM) S8G56 GIGABIT CIRCUIT, WITH LED
 PRODUCT SPEC: 108-104004
 APPLICATION SPEC

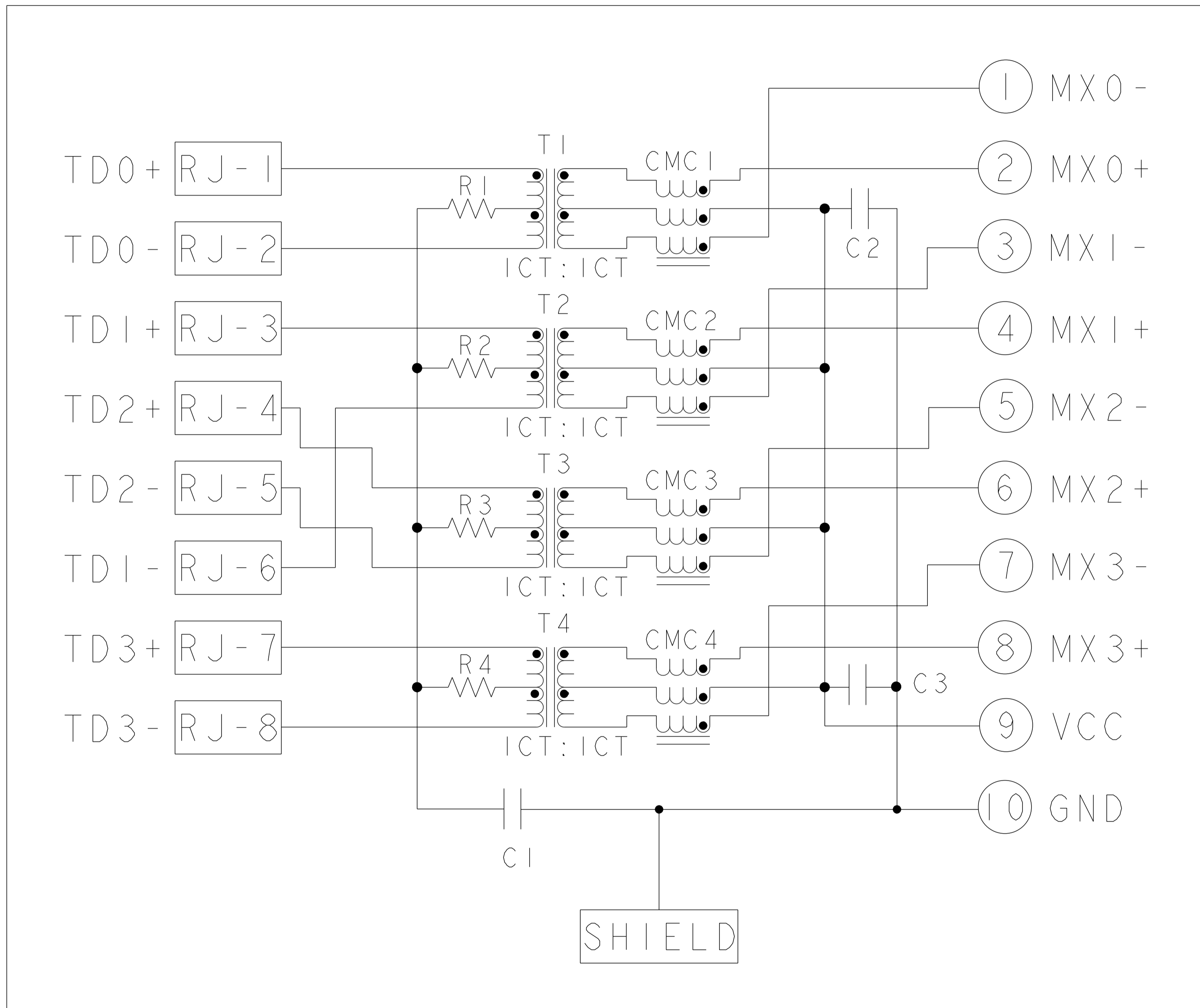
SIZE: A1
 CAGE CODE: 1840163
 SCALE: 2:1
 SHEET: 1 OF 3
 REV: C



THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 28MAY2007	 TRP connector Dongguan China
DRAWN BY: TOMMY REN		CHK: KEITH ZHU	
DIMENSIONS: mm		APVD: TEDDY XIONG	NAME: 2X3 MAG45(TM) S8G56 GIGABIT CIRCUIT, WITH LED SIZE: A1 CAGE CODE: 1840163 DRAWING NO: 108-104004 APPLICATION SPEC: APPLICATION SPEC
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC: 108-104004	
0 PLC	±0.25	APPLICABLE SPEC: APPLICATION SPEC	MATERIAL: - FINISH: - WEIGHT: - CUSTOMER DRAWING: -
1 PLC	±0.25	SCALE: 2:1	
2 PLC	±0.25	SHEET: 2	OF: 3 REV: C
3 PLC	±0.25	RESTRICTED TO:	
4 PLC	±0.25		

S8G56 GIGABIT CIRCUIT $\triangle\triangle$

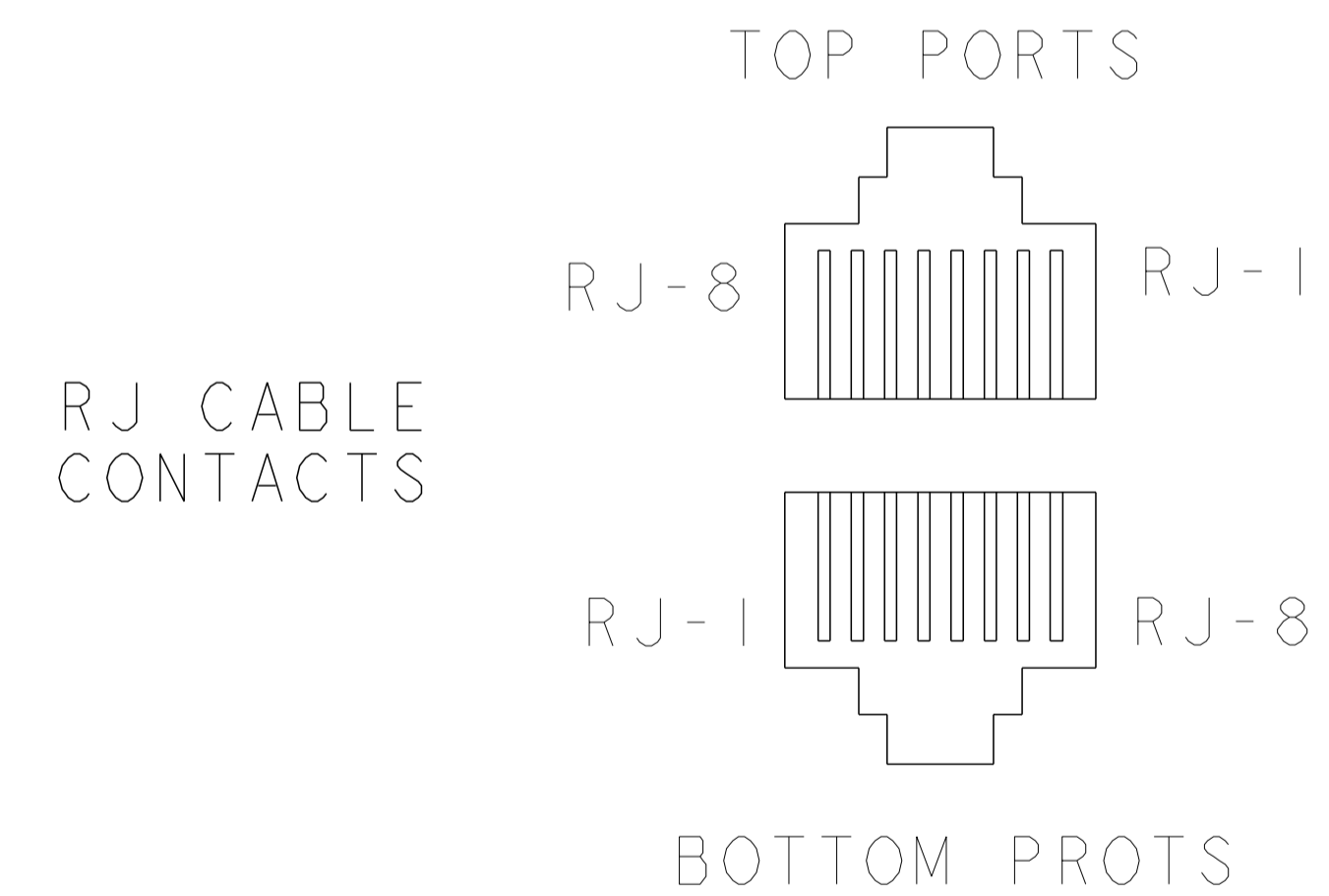
TOP AND BOTTOM PORTS



C1 = 1000pF, 2kV, X7R DECOUPLING CAP
 C2 - C3 = 10nF, 50V, CAPACITORS
 R1-R4 = 75 Ohms, 1/16 W, RESISTORS

PIN DESIGNATION

(REPEAT FOR EACH VERTICAL PAIR OF PORTS)



THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 28MAY2007	TRP connector Dongguan China
DRAWN: TOMMY REN		CHK: KEITH ZHU	
DIMENSIONS: mm		APVD: TEDDY XIONG	NAME: 2X3 MAG45(TM) S8G56
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC: 108-104004	GIGABIT CIRCUIT, WITH LED
0 PLC ±0.25	1 PLC ±0.25	APPLICATION SPEC: -	SIZE: A1
2 PLC ±0.25	3 PLC ±0.25	FINISH: -	SCALE: 2:1
4 PLC ±0.25	ANGLES: ±	MATERIAL: -	SHEET 3 OF 3
MATERIAL: -		WEIGHT: -	REV: C
CUSTOMER DRAWING		CAGE CODE: 1840163	RESTRICTED TO: -