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MAGNETICS
APPLICATION: 10/100/1000 BASE-T, PoE
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
POECURRENT: 350mADC MAX
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

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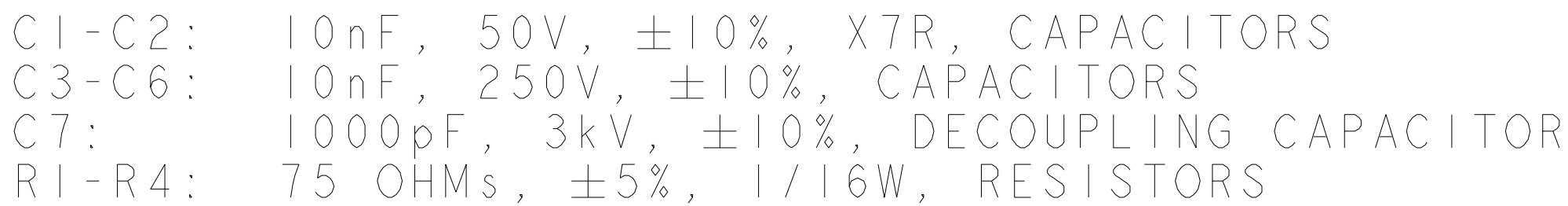
TYCO ELECTRONICS LOGO AND AGENCY APPROVAL LOGO, TO BE LOCATED IN APPROXIMATE AREA SHOWN.

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

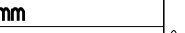
DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA

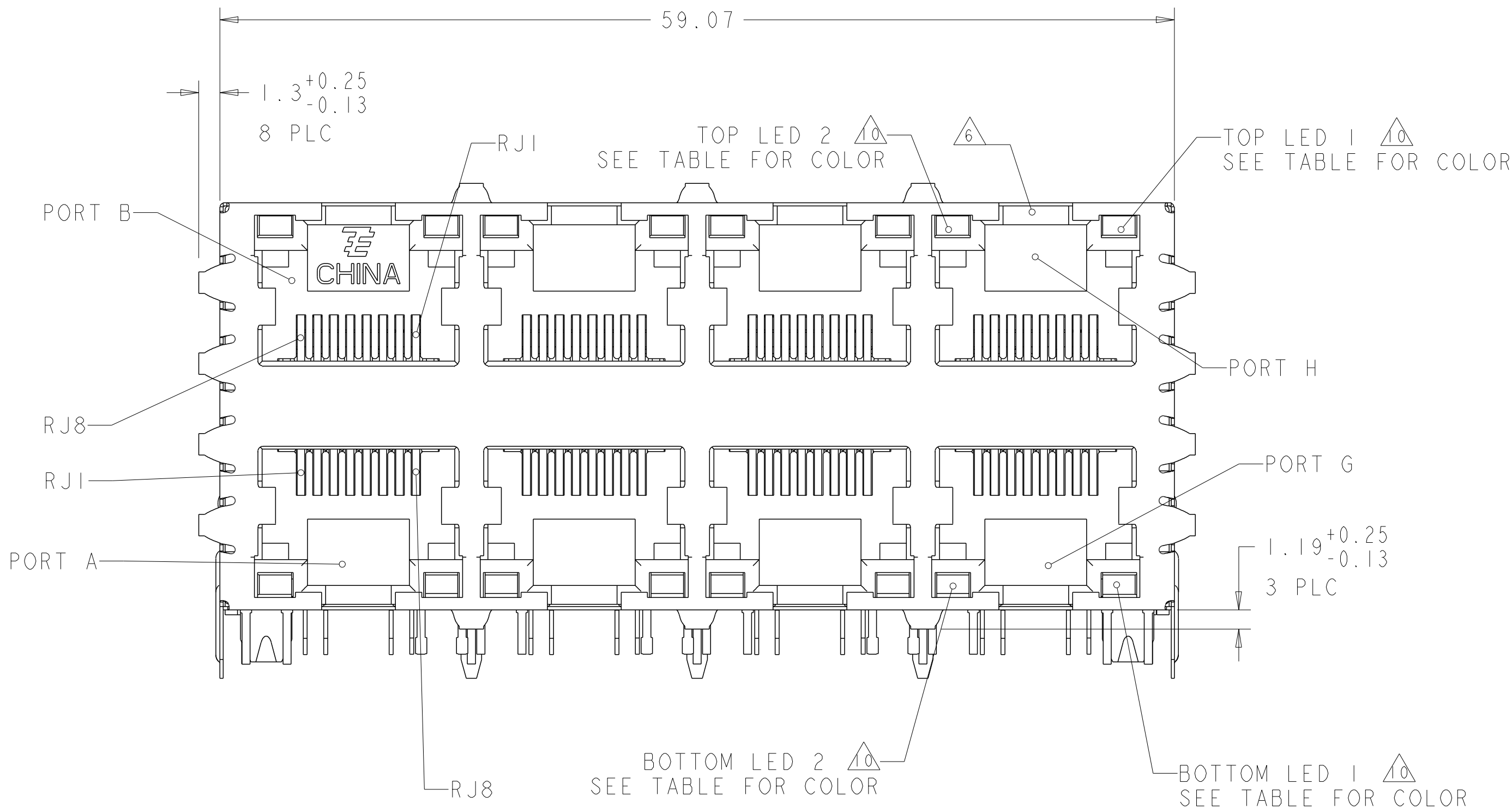
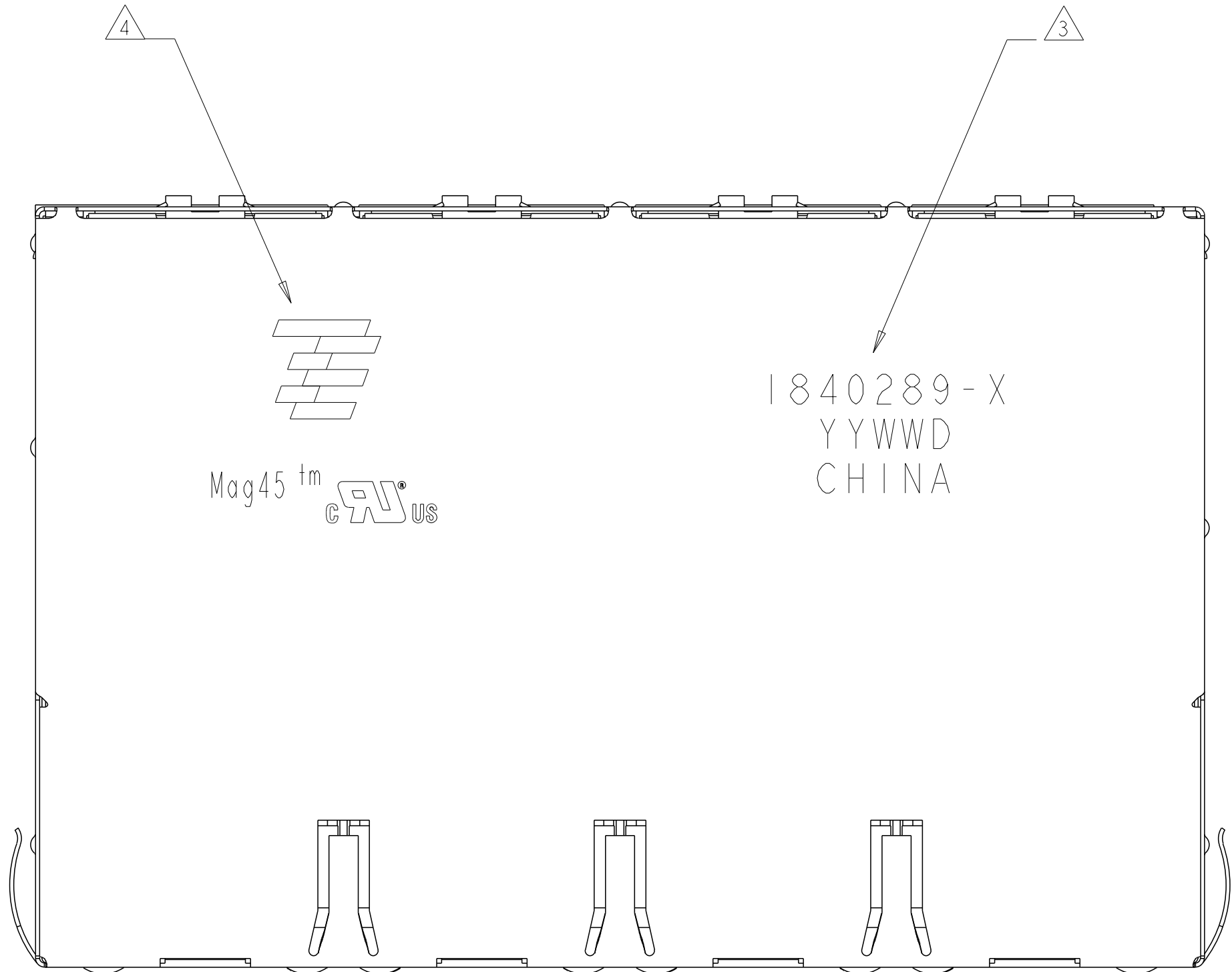
THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX.10 SECONDS MAX.



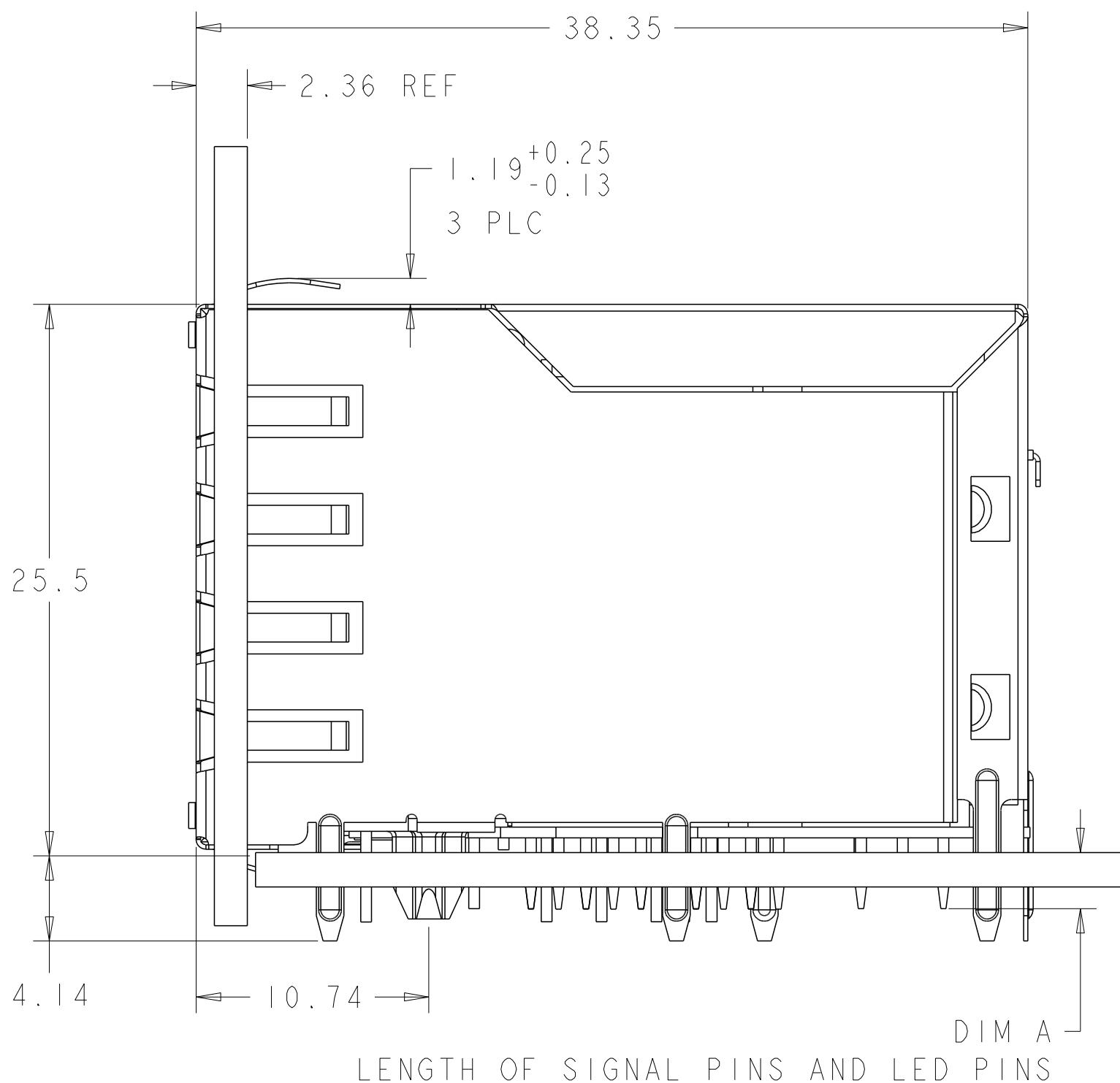
3.04	GRN/ORA	GREEN	GRN/ORA	GREEN	I-1840289-9
3.04	GREEN	GRN/YEL	GREEN	GRN/YEL	I-1840289-8
3.04	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	I-1840289-7
3.04	GREEN	GRN/ORA	GREEN	GRN/ORA	I-1840289-6
3.04	GRN/YEL	GREEN	GRN/YEL	GREEN	I-1840289-5
3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	I-1840289-4
3.04	GREEN	YELLOW	GREEN	YELLOW	I-1840289-3
3.04	YELLOW	GREEN	GREEN	YELLOW	I-1840289-2
3.04	GREEN	GREEN	GREEN	GREEN	I-1840289-1
2.50	GRN/ORA	GREEN	GRN/ORA	GREEN	I840289-9
2.50	GREEN	GRN/YEL	GREEN	GRN/YEL	I840289-8
2.50	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	I840289-7
2.50	GREEN	GRN/ORA	GREEN	GRN/ORA	I840289-6
2.50	GRN/YEL	GREEN	GRN/YEL	GREEN	I840289-5
2.50	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	I840289-4
2.50	GREEN	YELLOW	GREEN	YELLOW	I840289-3
2.50	YELLOW	GREEN	GREEN	YELLOW	I840289-2
2.50	GREEN	GREEN	GREEN	GREEN	I840289-1
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0. PLC ±# 1. PLC ±0.25 2. PLC ±0.25 3. PLC ±0.25 4. PLC ±0.25 SINGLES ±# ±2		2X4 MAG45(TM), S9VG52 GIGABIT PoE WITH LED	
		PRODUCT SPEC		SIZE	
MATERIAL		APPLICATION SPEC		CASE CODE DRAWING NO	
: 		WEIGHT		A 00779 C 1840289	
:		FINISH		SCALE 1:1 SHEET 1 OF 4 REV B	
CUSTOMER DRAWING					

2		1				
LOC	DIST	REVISONS				
P	LTR	DESCRIPTION		DATE	DWN	APVD
-	-	SEE SHEET 1		-	-	-

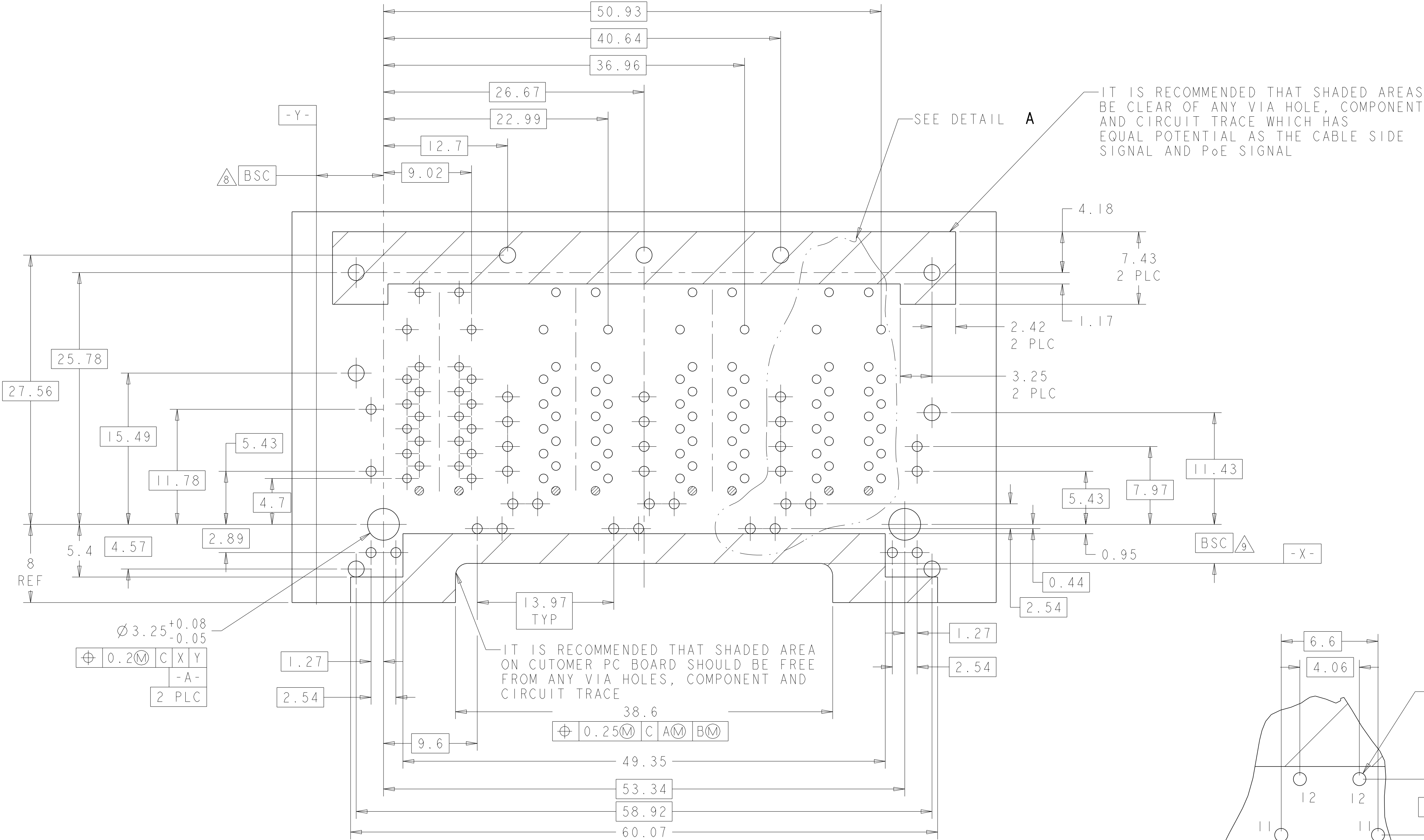


SCALE 4:1

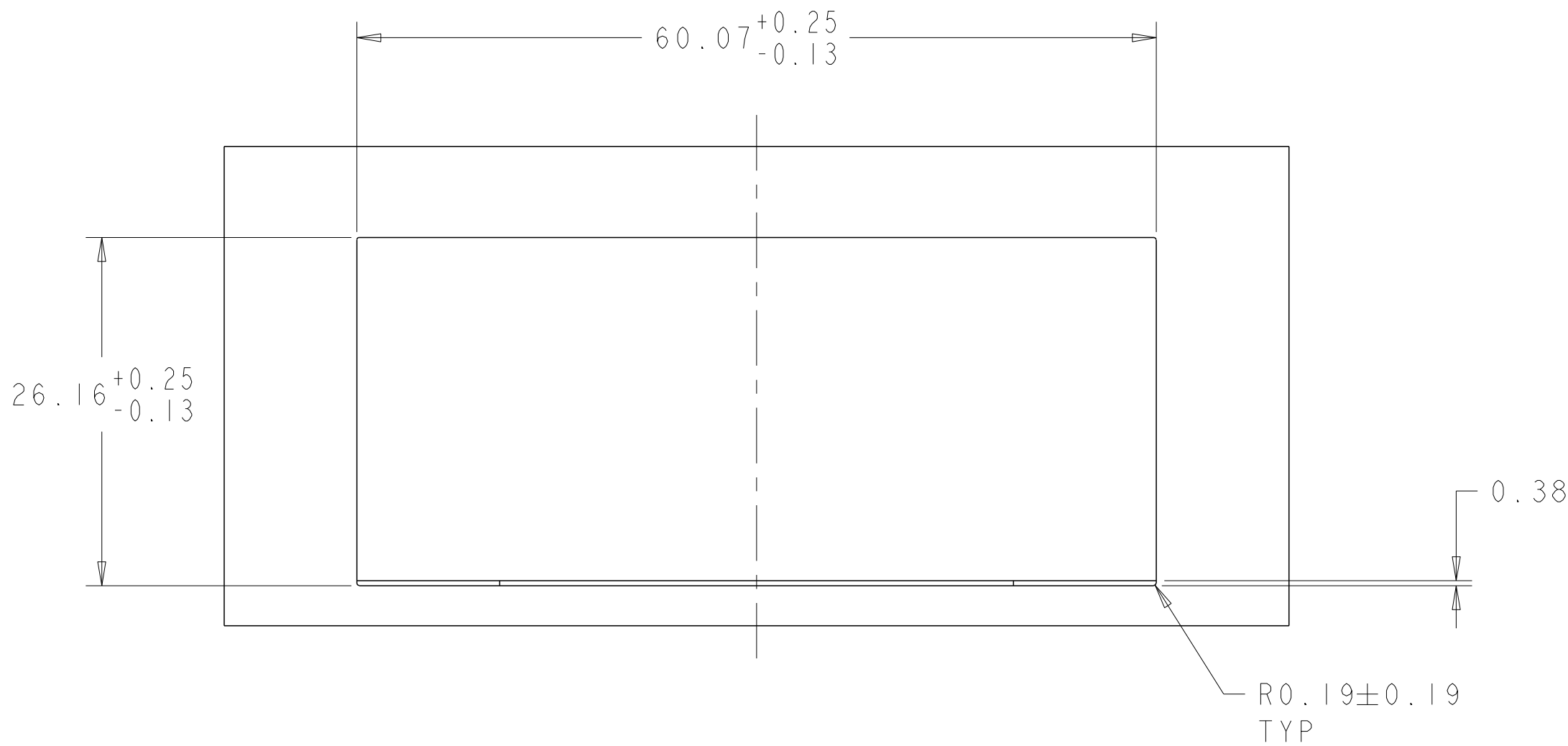


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DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±2		NAME: 2X4 MAG45(TM), S9VG52 GIGABIT PoE WITH LED
MATERIAL:		FINISH:		SIZE: A CAGE CODE: 00779 DRAWING NO: 1840289
CUSTOMER DRAWING		SCALE: 1:1		SHEET 2 OF 4 REV B

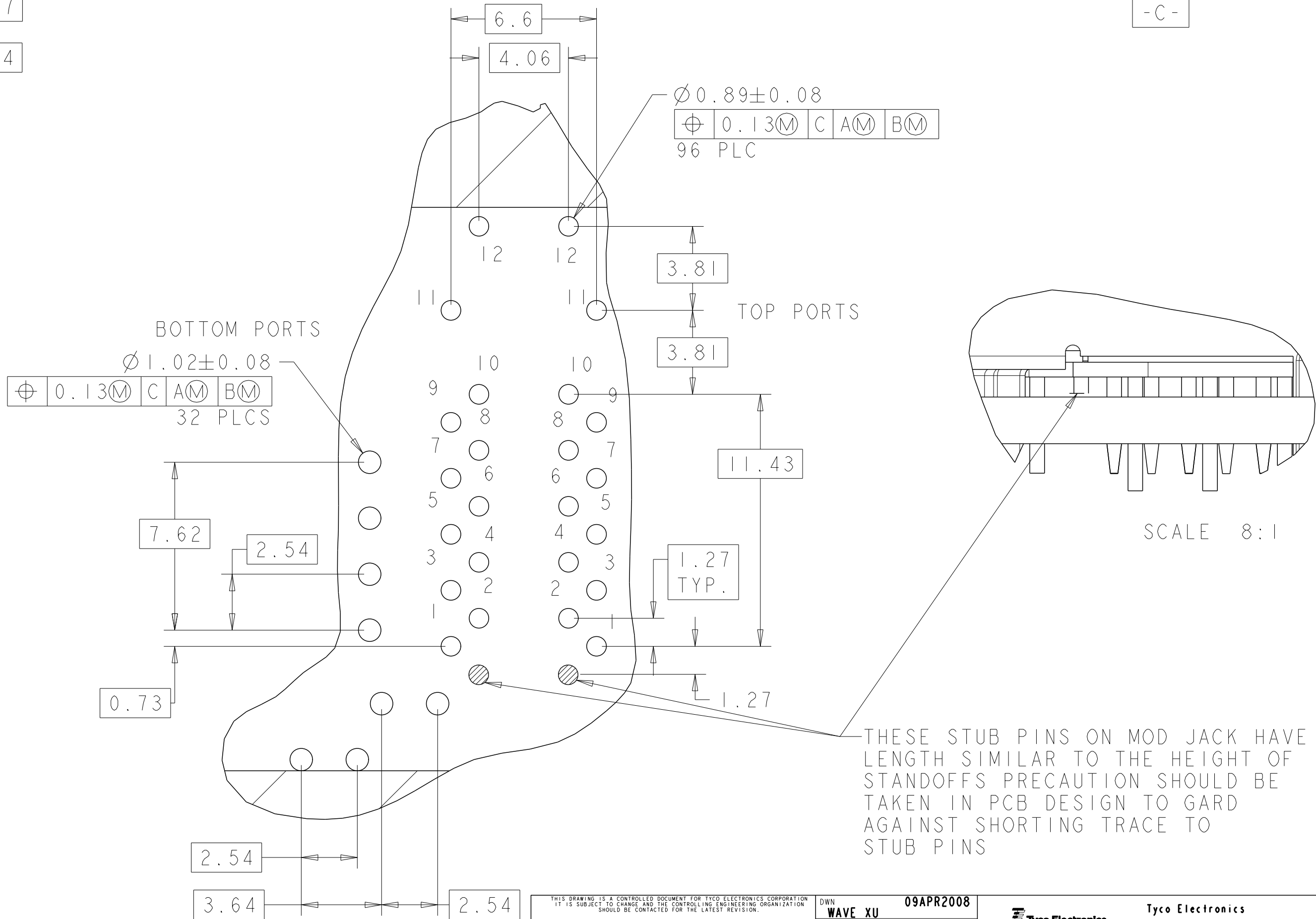
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



RECOMMENDED PC BOARD LAYOUT
(VIEW FROM COMPONENT SIDE)
SCALE 4:1



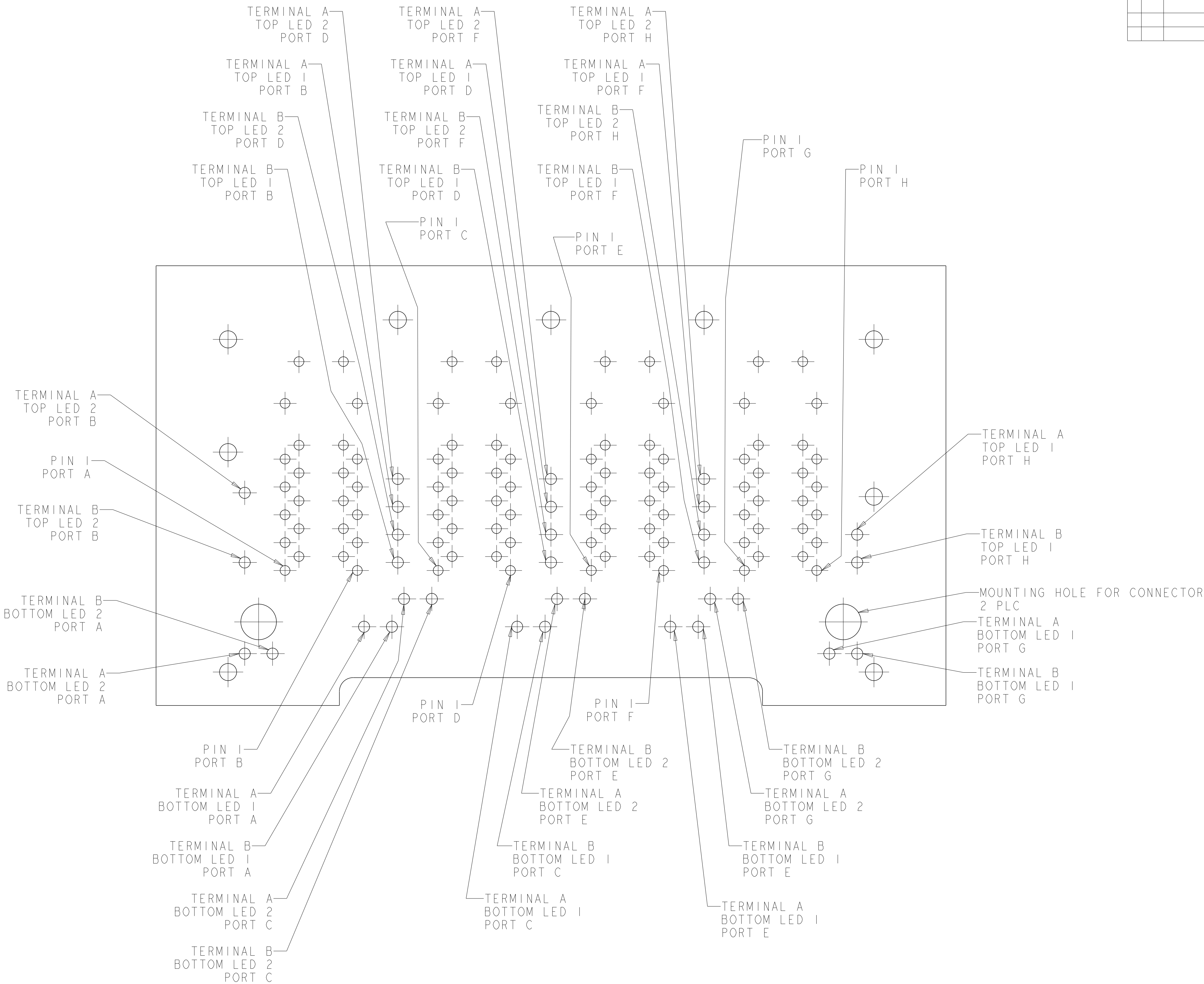
SUGGESTED PANEL CUTOUT DIMENSIONS
SCALE 5:2



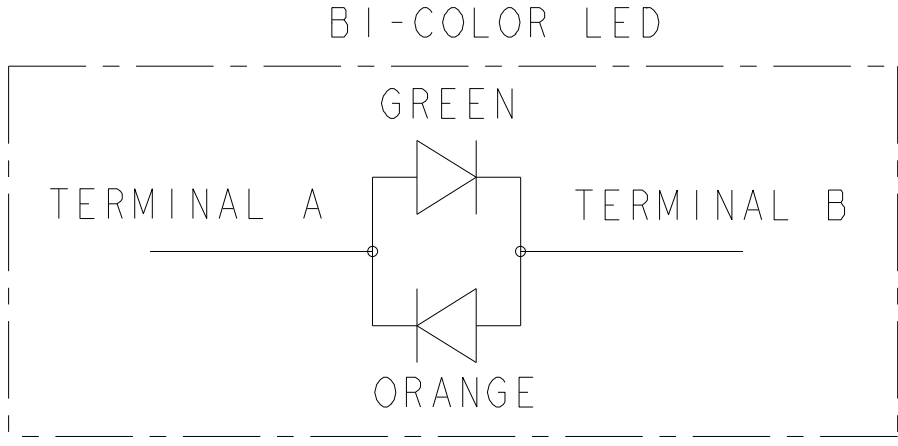
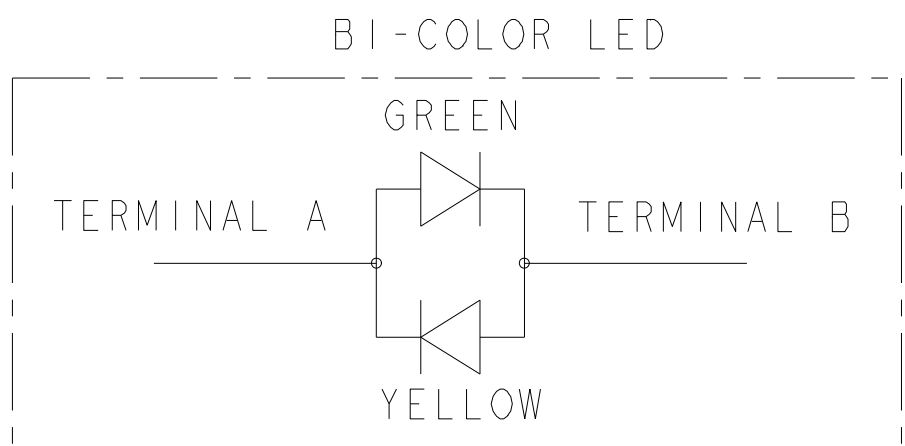
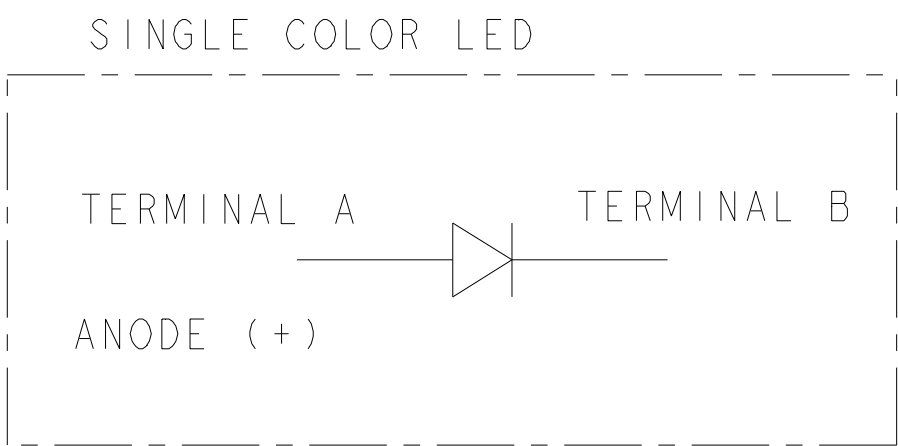
DETAIL A
SCALE 6:1

FIRST BREAKING IT IS CONSIDERED DOCUMENT FOR TYCO ELECTRONICS CORPORATION IT IS UNPUBLISHED AND NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN PERMISSION SHOULD BE CONTACTED FOR THE LATEST REVISION.		DWN WAVE XU 09APR2008	Tyco Electronics ChongPing, China	
DIMENSIONS: mm		CHK KEKE YOU 09APR2008	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±2		APVD KEITH ZHU 09APR2008	PRODUCT SPEC	
MATERIAL :			APPLICATION SPEC	
FINISH :			WEIGHT	
CUSTOMER DRAWING			SCALE 1:1 SHEET 3 OF 4 REV B	
SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
A		00779	1840289	-

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



LED HOLE VIEWED FROM COMPONENT SIDE
SECTION A-A
SCALE 5:1



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DIMENSIONS: mm		CHK KEKE YOU 09APR2008	NAME	
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 09APR2008	2X4 MAG45(TM),S9VG52 GIGABIT PoE WITH LED	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±2		PRODUCT SPEC	SIZE	
MATERIAL		APPLICATION SPEC	CAGE CODE	
FINISH		WEIGHT	DRAWING NO	
CUSTOMER DRAWING		SCALE 1:1	SHEET 4 OF 4	
		REV B		