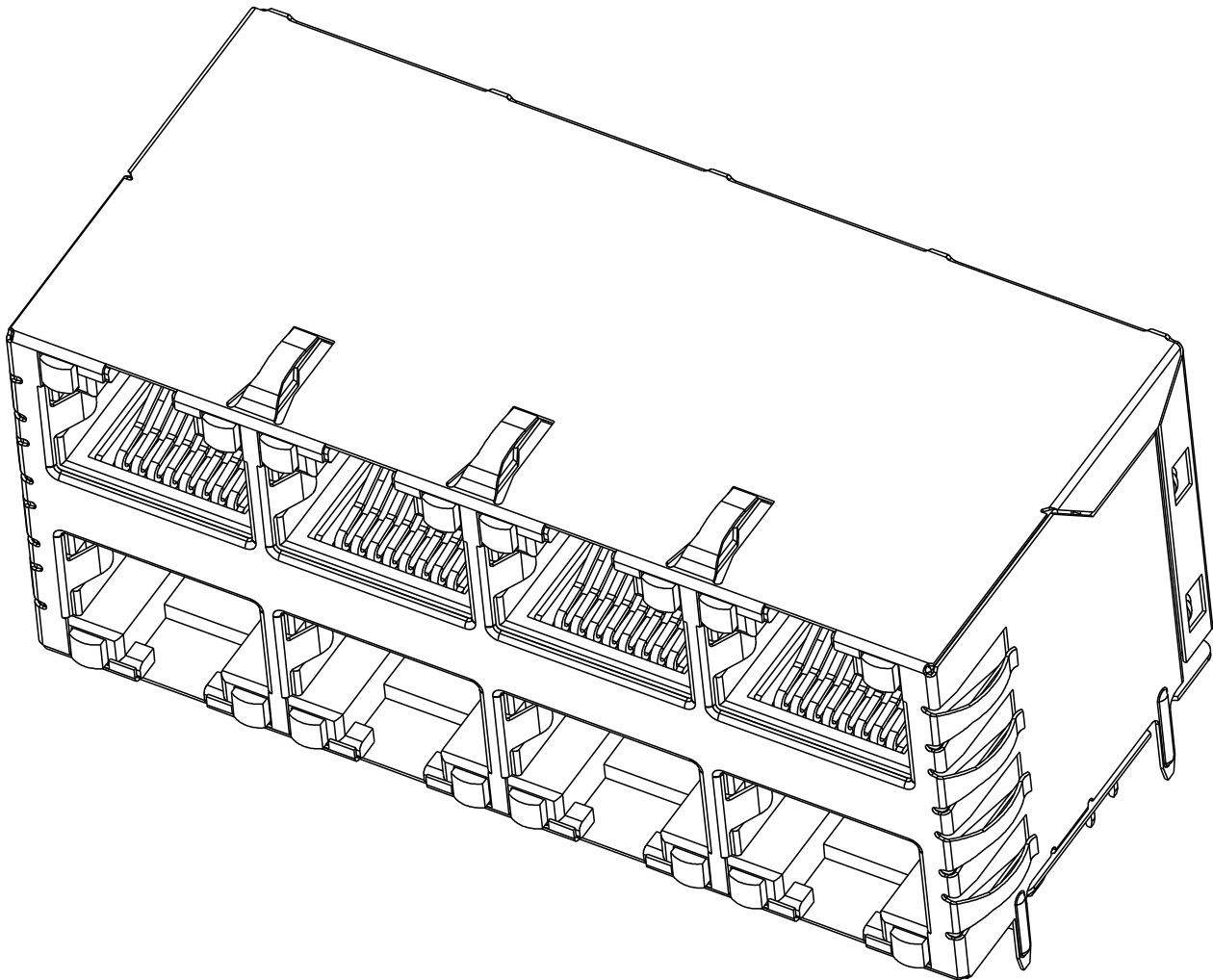


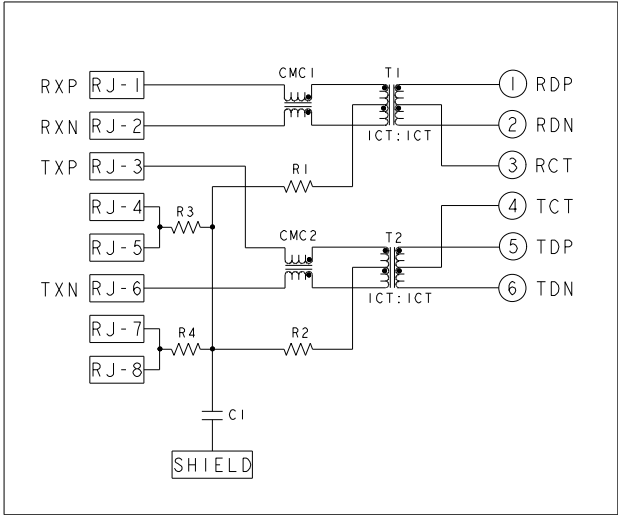
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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
5736910 5939955 6425781 6428361 6554638 6840817 7123117  
7429195 7717749 7808751 6217391 6149050 7924130

REVISONS				
#	LYR	DESCRIPTION	DATE	DWN
G		EC-1411035 COMPANY LOGO CHANGE	09FEB2015	TR




S866P9 10/100 CIRCUIT  
TOP AND BOTTOM PORTS

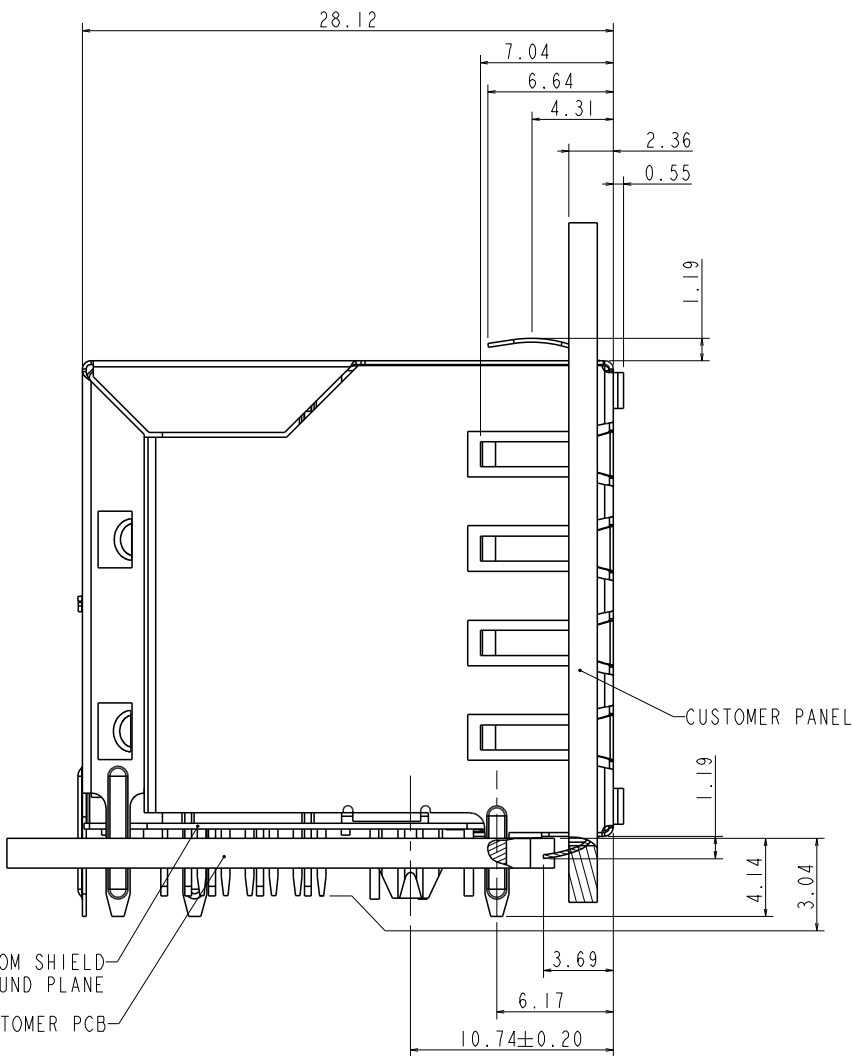


C1 = 1000pF, 2kV, ±10%, X7R DECOUPLING CAP.  
R1-R4 = 75 OHMS, 1/16 W, ±5% RESISTORS

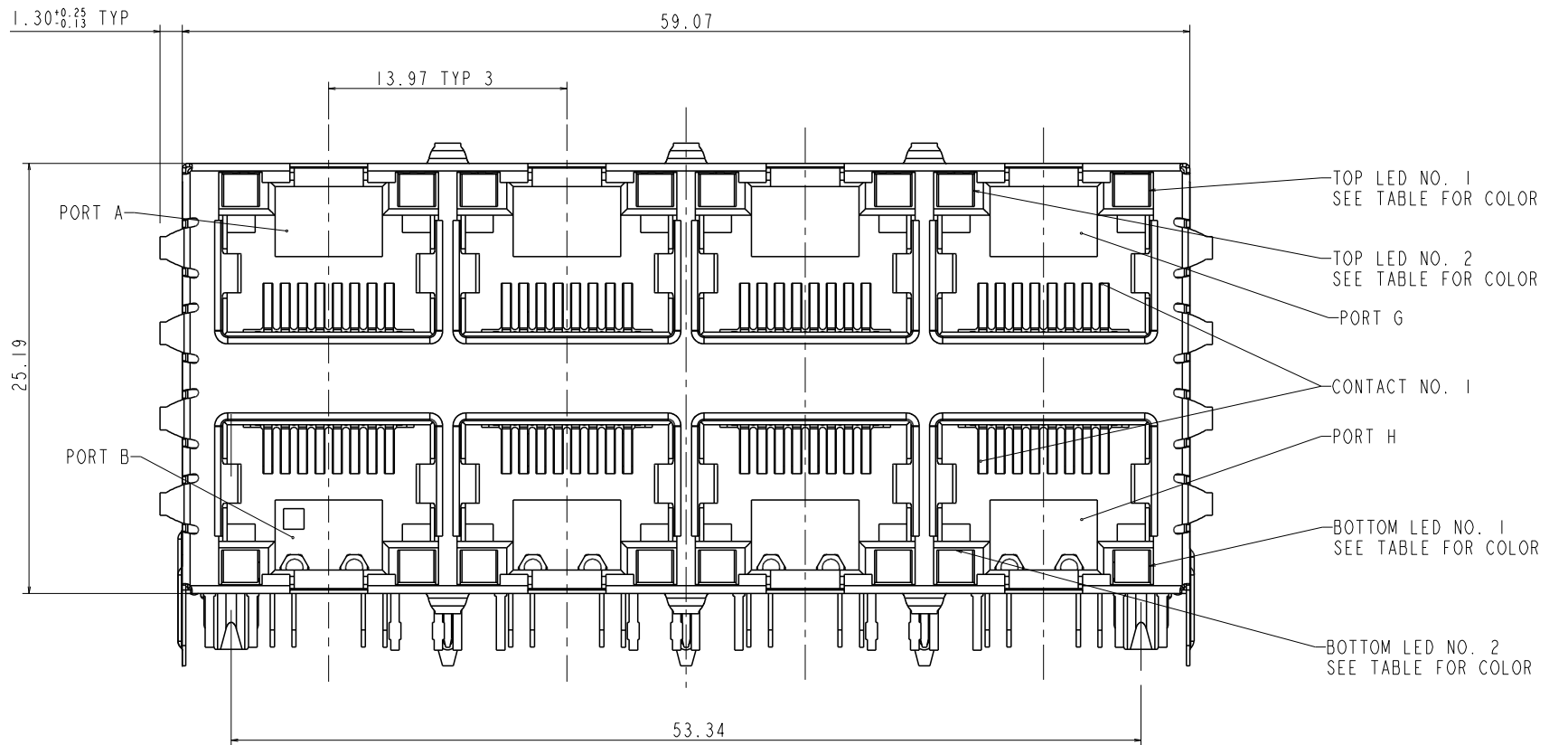
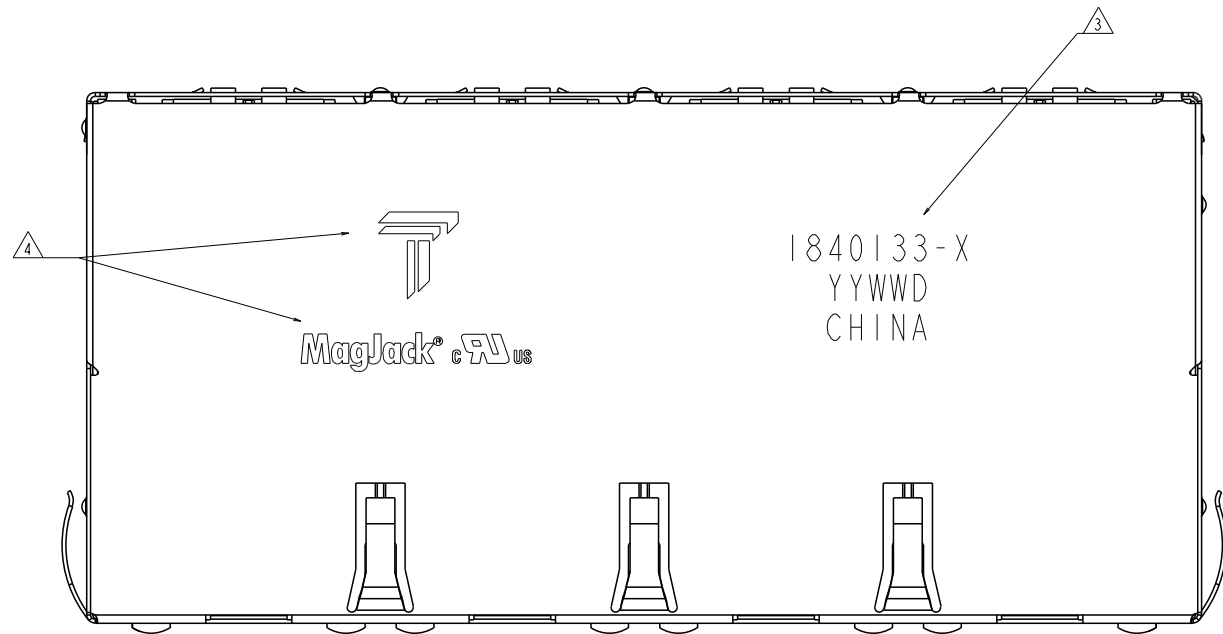
1. MATERIALS:  
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL  
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT 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  
INTERNAL MAGNETICS PC BOARDS: HIGH TEMP PCB, TG>170°C.
2. 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, 0.1VRMS,  
8mADC BIAS FROM 0°C TO 70°C, TX AND RX  
PERFORMANCE @ 25°C:  
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz  
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz  
18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz  
12dB MIN FROM 60.1MHz TO 80MHz  
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: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b.
3. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN APPROXIMATE AREA SHOWN. DATE CODE "YY" IS THE YEAR, "WW" IS THE WEEK, "D" IS THE DAY OF WEEK, WITH SUNDAY="1"
4. AGENCY APPROVAL LOGO, TRP LOGO AND PRODUCT LOGO TO BE 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.
7. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
8. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 5.08mm.
9. 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
10. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.



2.21	GREEN	YELLOW	GREEN	YELLOW	1840133-6
3.04	GRN/YEL	GREEN	GRN/YEL	GREEN	1840133-5
3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840133-4
3.04	GREEN	YELLOW	GREEN	YELLOW	1840133-3
3.04	YELLOW	GREEN	GREEN	YELLOW	1840133-2
3.04	GREEN	GREEN	GREEN	GREEN	1840133-1
DIM A	BOTTOM LED NO. 2	BOTTOM LED NO. 1	TOP LED NO. 2	TOP LED NO. 1	PART NO.

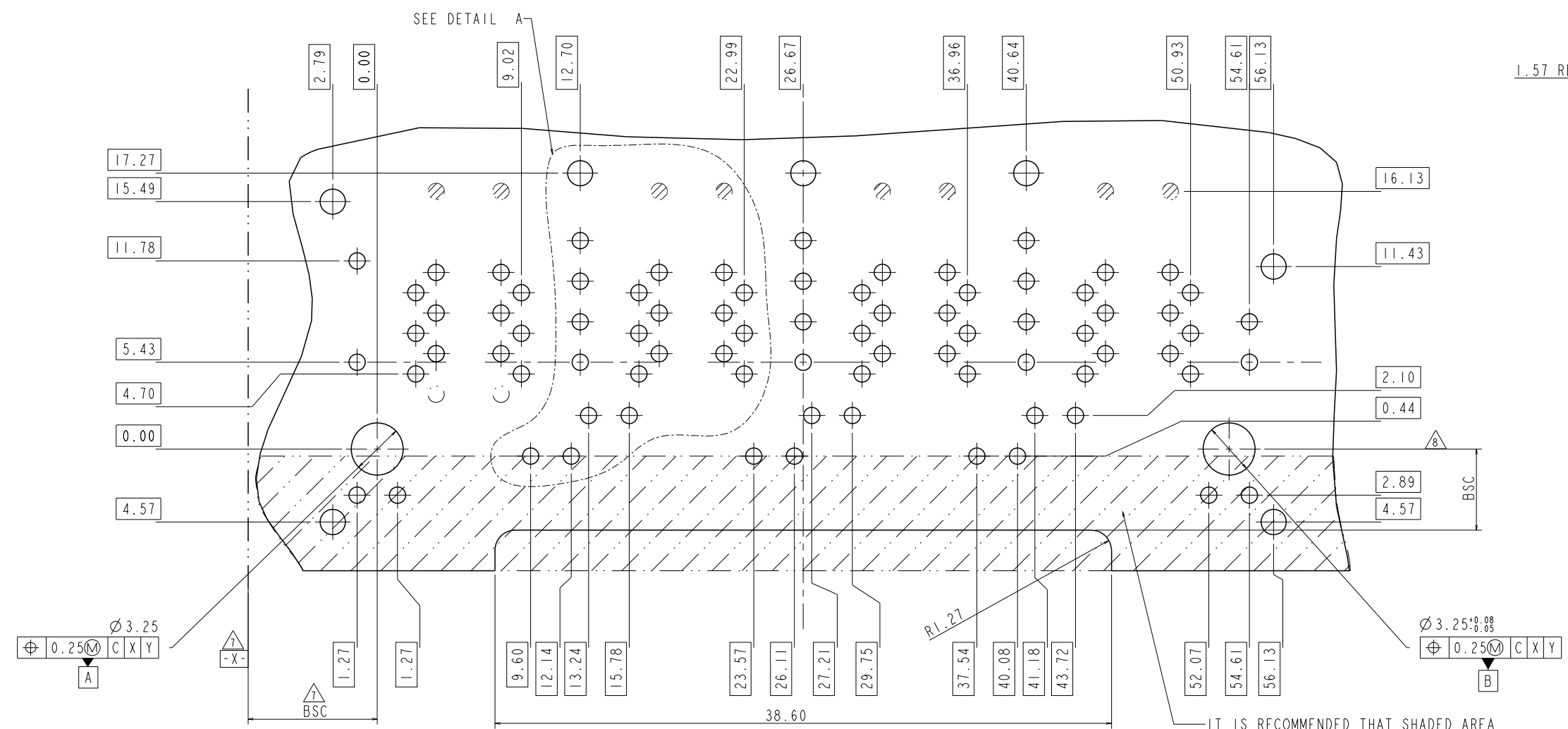
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KEKE YOUTH 19APR2006	 <b>trp</b> CONNECTOR a bel group		DONGGUAN CHINA
DIMENSIONS: mm		CHK DENNIS CHEN 19APR2006			
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±0.25		APPRO TEDDY XIONG 19APR2006	MODEL NAME MAGJACK		DESC 2X4 S866P9 10/100 W/ LED
PRODUCT SPEC 108-2100		APPLICATION SPEC -		SIZE A1	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 4:1		SHEET 1	REV G



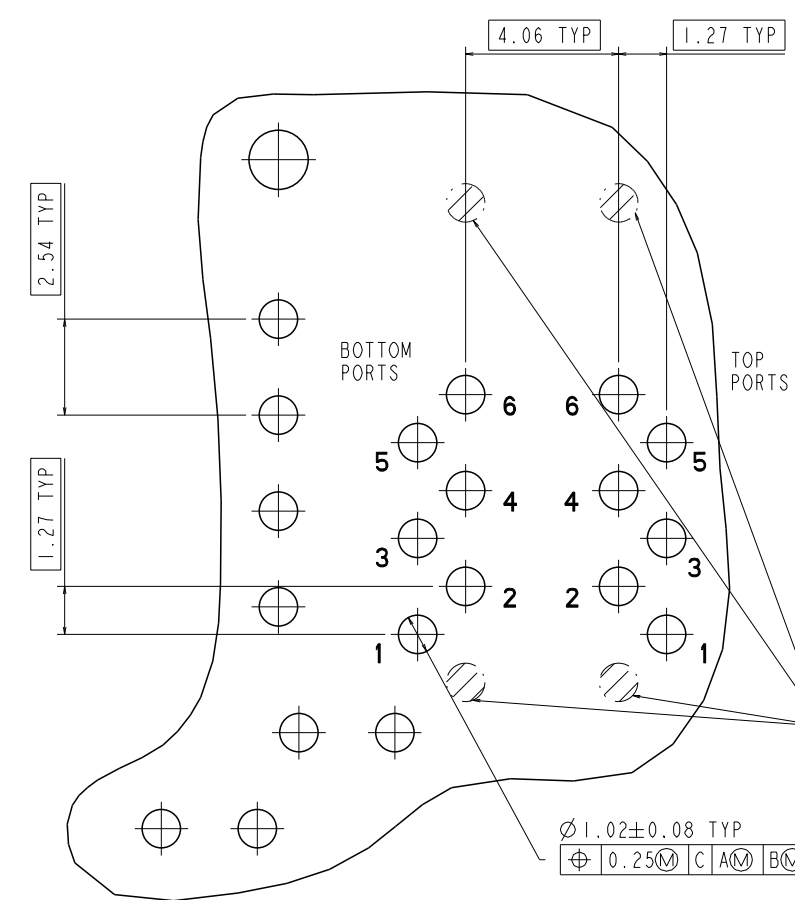
SIDE VIEW SHOWN WITH  
PANEL AND PCB  
FOR LOCATION



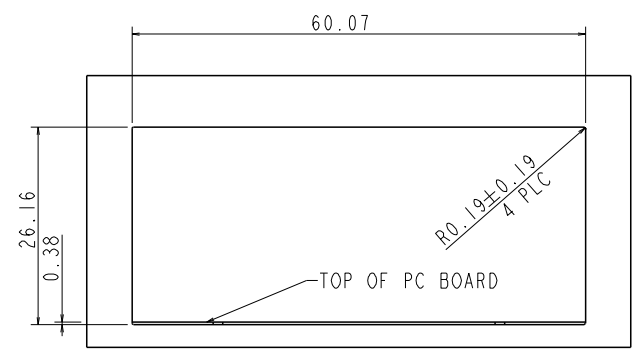
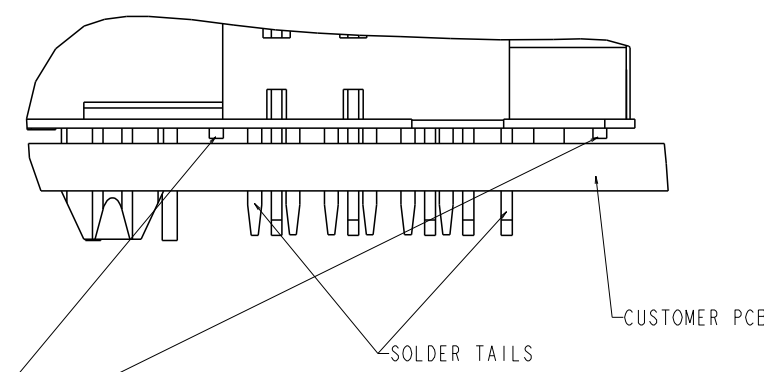
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KEKE YOUTH	19APR2006	 <b>trp</b> CONNECTOR a bel group	DONGGUAN CHINA	
DIMENSIONS: mm		CHK DENNIS CHEN	19APR2006			
		APP'D TEDDY XIONG	19APR2006			
PRODUCT SPEC 108-2100		MODEL NAME MAGJACK STACK NON-POE				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC 2X4 S866P9 10/100 W/ LED		SIZE A1		
0 PLC ±0.25		CAGE CODE		DRAWING NO C=1840133		
1 PLC ±0.25		RESTRICTED TO		-		
2 PLC ±0.25		SCALE		4:1		
3 PLC ±0.25		SHEET		2 OF 4		
4 PLC ±0.25		REV		G		
ANGLES °		CUSTOMER DRAWING				
APPLICATION SPEC						




PC BOARD LAYOUT  
VIEWED FROM COMPONENT SIDE  
SCALE 6:1

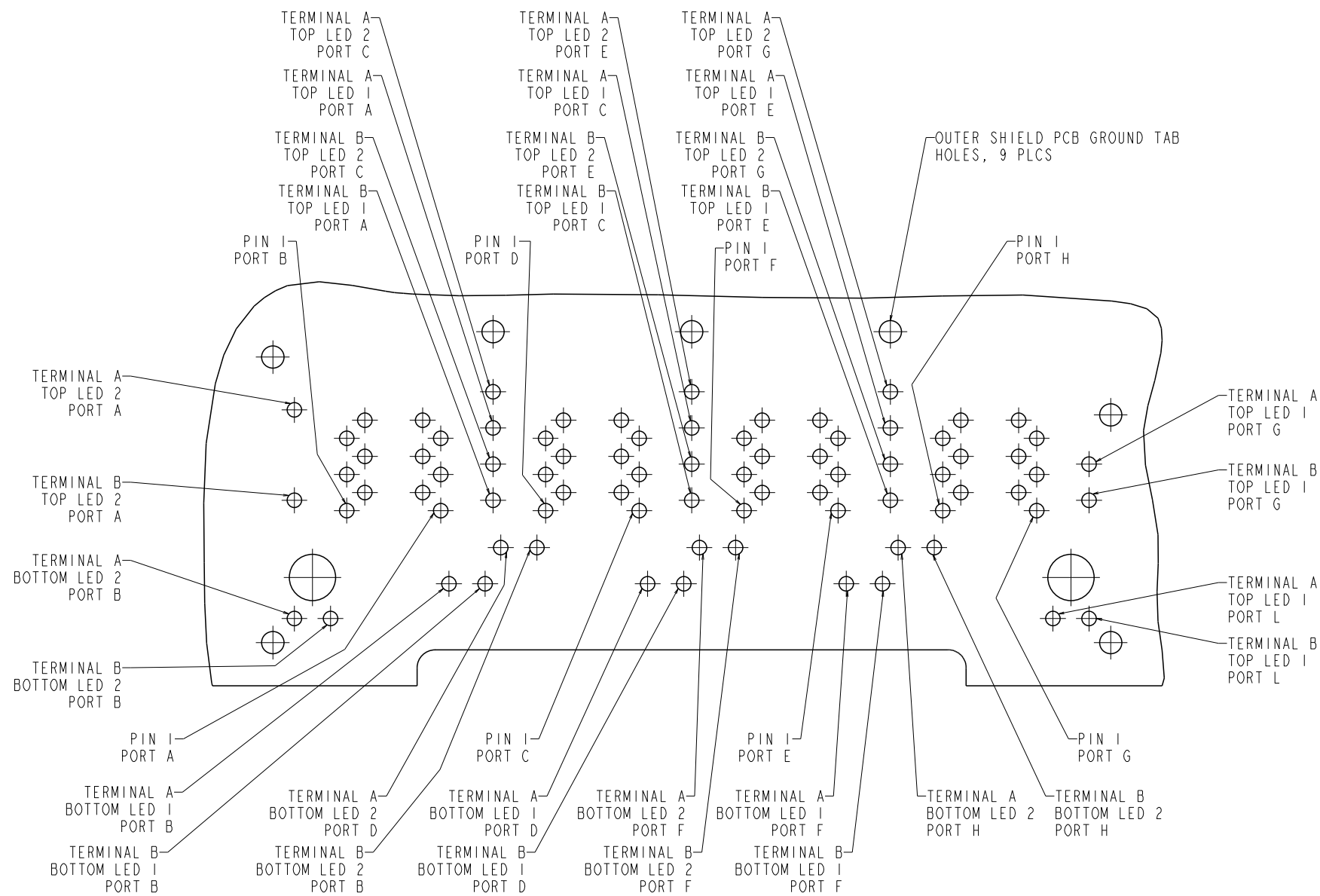


DETAIL A  
PIN DESIGNATION  
SCALE 10:1



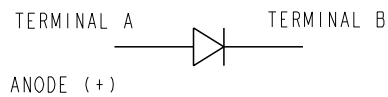
SUGGESTED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN KEKE YOUTH 19APR2006	 DONGGUAN CHINA	
DIMENSIONS: mm		CHK DENNIS CHEN 19APR2006		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROV TEDDY XIONG 19APR2006		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25		MODEL NAME MAGJACK		
PRODUCT SPEC 108-2100		APPLICATION SPEC -	DESC 2X4 S866P9 10/100 W/ LED	RESTRICTED TO -
		SIZE A1	CAGE CODE C=1840133	REV G
		CUSTOMER DRAWING		SCALE 4:1
				SHEET 3 OF 4

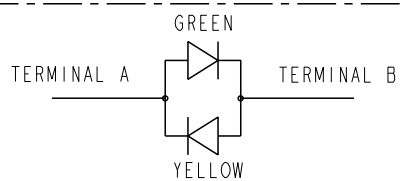




LED HOLE DESIGNATION VIEWED FROM COMPONENT SIDE

SINGLE COLOR LED



BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN KEKE YOUTH	19APR2006	 <b>trp</b> CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS:		CHK DENNIS CHEN	19APR2006				
mm		APVD TEDDY XIONG	19APR2006				
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC	
		0 PLC ±0.25		MAGJACK		2X4 S866P9 10/100 W/ LED	
		1 PLC ±0.25		STACK NON-PoE		SIZE CAGE CODE DRAWING NO	
		2 PLC ±0.25		A1		C=1840133	
		3 PLC ±0.25		CUSTOMER DRAWING		RESTRICTED TO	
		4 PLC ±0.25				-	
		ANGLES				SCALE 4:1	
PRODUCT SPEC		APPLICATION SPEC				SHEET 4 OF 4	
108-2100						REV G	

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1840133-3