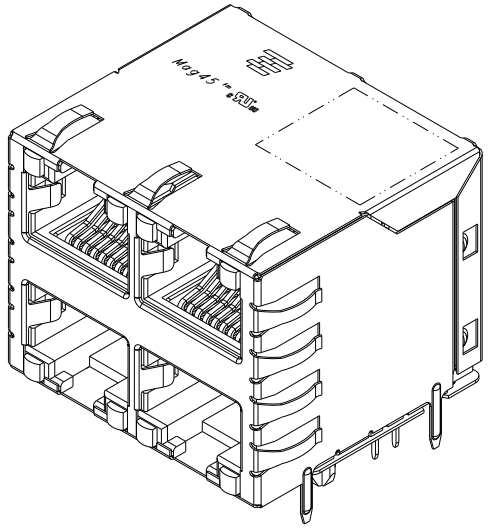


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B	ECO-99-008668	1.0002000 RD RZ
C	ECO-10-021276	1.0002000 GZ RZ

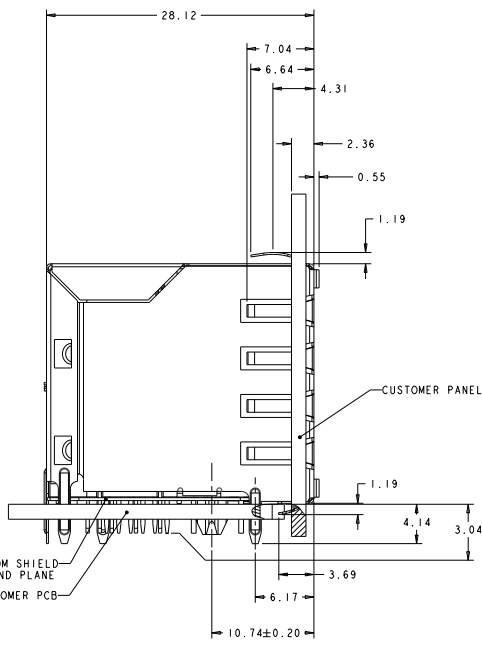
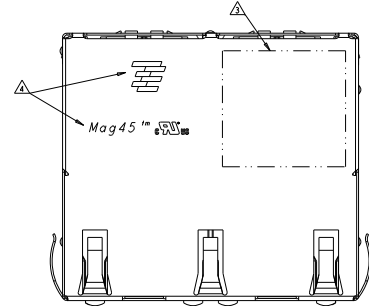


- MATERIALS:  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL  
 UNDERPLATE WITH SELECT 1.27um MIN GOLD 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.
- MAGNETICS  
 APPLICATION: 10/100 BASE-T  
 IMPEDANCE: 100 OHMS  
 TURNS RATIO (CRIP-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/80)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.
- PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN LOCATED IN APPROXIMATE AREA SHOWN
- AGENCY APPROVAL LOGO, TYCO ELECTRONICS LOGO AND PRODUCT LOGO TO BE LOCATED IN APPROXIMATE AREA SHOWN
- OPERATING TEMP: FROM 0°C TO +70°C.
- RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- BASIC 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 (λD): GREEN 560 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
- THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX.

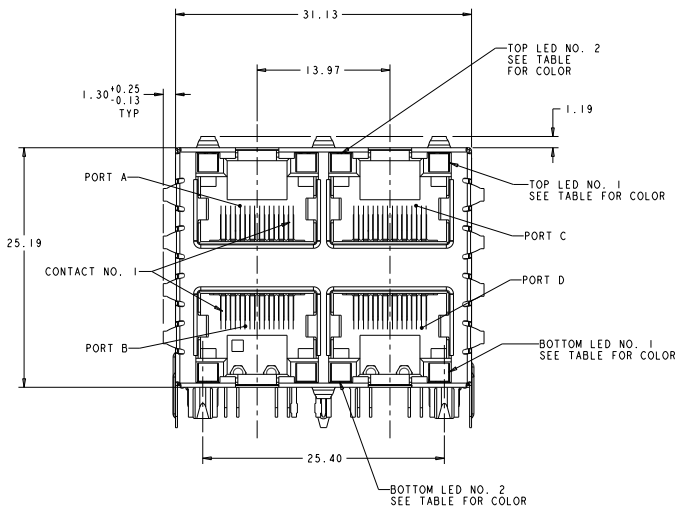
GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840135-4
GREEN	YELLOW	GREEN	YELLOW	1840135-3
YELLOW	GREEN	GREEN	YELLOW	1840135-2
GREEN	GREEN	GREEN	GREEN	1840135-1
BOTTOM LED NO. 2	BOTTOM LED NO. 1	TOP LED NO. 1	TOP LED NO. 2	PART NUMBER

TYCO ELECTRONICS CORPORATION		TYCO ELECTRONICS		TYCO ELECTRONICS	
10000 WOODBURY ROAD, WOODBURY, NY 11797		10000 WOODBURY ROAD, WOODBURY, NY 11797		10000 WOODBURY ROAD, WOODBURY, NY 11797	
TEL: 845-336-7000		TEL: 845-336-7000		TEL: 845-336-7000	
FAX: 845-336-7001		FAX: 845-336-7001		FAX: 845-336-7001	
WWW.TYCOELECTRONICS.COM		WWW.TYCOELECTRONICS.COM		WWW.TYCOELECTRONICS.COM	
E-MAIL: SALES@TYCOELECTRONICS.COM		E-MAIL: SALES@TYCOELECTRONICS.COM		E-MAIL: SALES@TYCOELECTRONICS.COM	
TYCO ELECTRONICS CORPORATION		TYCO ELECTRONICS CORPORATION		TYCO ELECTRONICS CORPORATION	
10000 WOODBURY ROAD, WOODBURY, NY 11797		10000 WOODBURY ROAD, WOODBURY, NY 11797		10000 WOODBURY ROAD, WOODBURY, NY 11797	
TEL: 845-336-7000		TEL: 845-336-7000		TEL: 845-336-7000	
FAX: 845-336-7001		FAX: 845-336-7001		FAX: 845-336-7001	
WWW.TYCOELECTRONICS.COM		WWW.TYCOELECTRONICS.COM		WWW.TYCOELECTRONICS.COM	
E-MAIL: SALES@TYCOELECTRONICS.COM		E-MAIL: SALES@TYCOELECTRONICS.COM		E-MAIL: SALES@TYCOELECTRONICS.COM	

REV	DATE	REVISIONS	BY	CHK
AA	00	SEE SHEET 1		



SIDE VIEW WITH CUSTOMER PANEL AND PCB FOR LOCATION

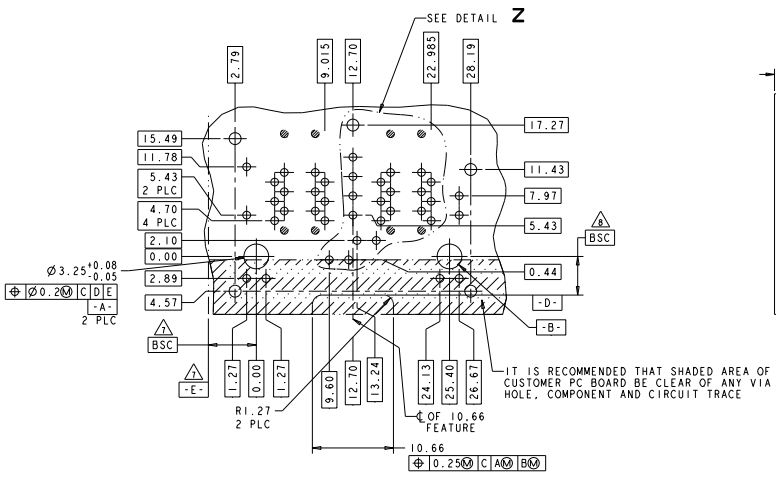


REV	DATE	REVISIONS	BY	CHK
AA	00	SEE SHEET 1		

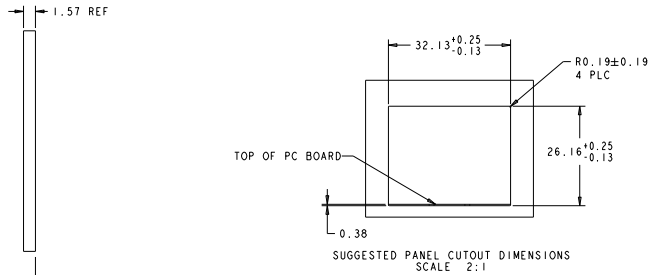
  

DATE	08/20/2007	DESIGNED BY	Y. Zhang
DATE	08/20/2007	CHECKED BY	Y. Zhang
DATE	08/20/2007	APPROVED BY	Y. Zhang
DATE	08/20/2007	RELEASED BY	Y. Zhang
DATE	08/20/2007	REVISIONS	1
DATE	08/20/2007	REVISIONS	2
DATE	08/20/2007	REVISIONS	3
DATE	08/20/2007	REVISIONS	4
DATE	08/20/2007	REVISIONS	5
DATE	08/20/2007	REVISIONS	6
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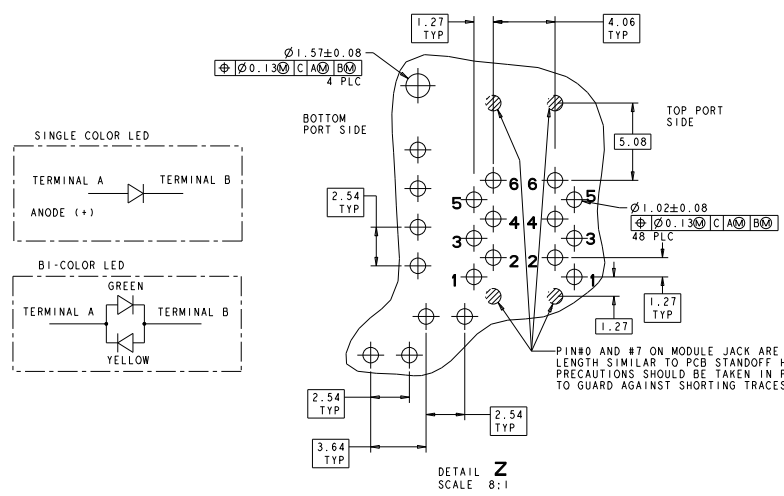
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AA	00	-	-	SEE SHEET 1	



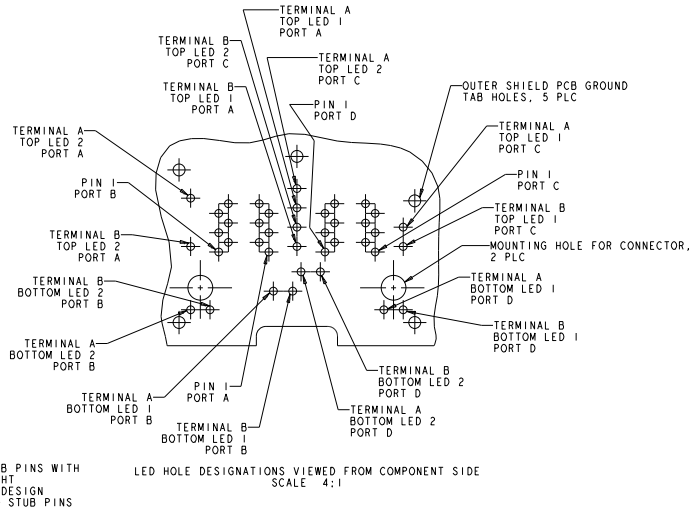
PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE



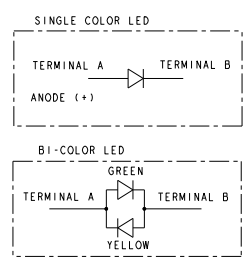
SUGGESTED PANEL CUTOUT DIMENSIONS SCALE 2:1



DETAIL Z SCALE 8:1



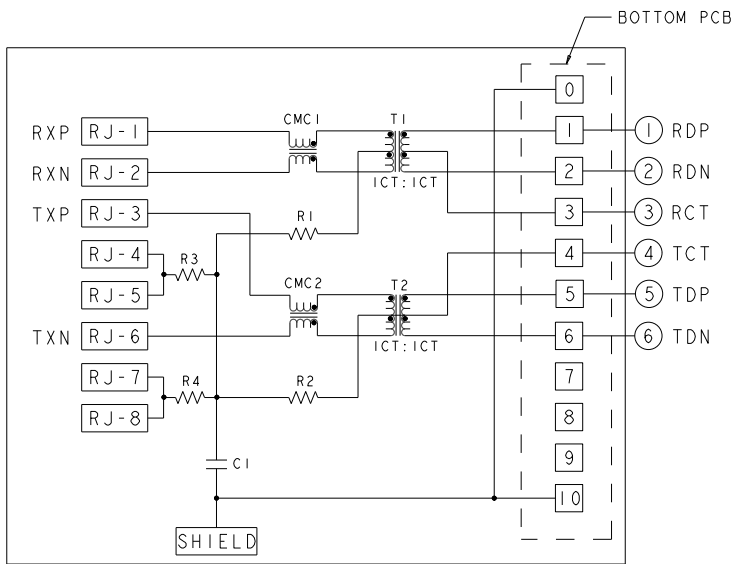
LED HOLE DESIGNATIONS VIEWED FROM COMPONENT SIDE SCALE 4:1



DATE	200707	DESIGNER	Y. MAGAS(TM)
DATE	200707	CHECKER	Y. MAGAS(TM)
DATE	200707	APPROVER	Y. MAGAS(TM)
DATE	200707	REVISION	1
DATE	200707	REVISION	2
DATE	200707	REVISION	3
DATE	200707	REVISION	4
DATE	200707	REVISION	5
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DATE	200707	REVISION	100

# S866P9 10/100 BASE-T CIRCUIT ▲

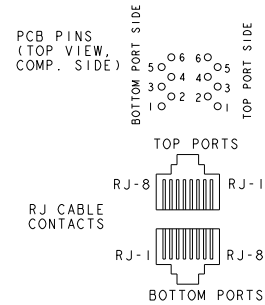
## TOP AND BOTTOM PORTS



- NOTES:  
 1. R1-R4 = 75 Ohms, 1/16W  
 2. C1 = 1000 pF, 2kV

### PIN DESIGNATION

(REPEAT FOR EACH VERTICAL PAIR OF PORTS)



REV. 1		REV. 2		REV. 3		REV. 4		REV. 5		REV. 6		REV. 7		REV. 8		REV. 9		REV. 10	
DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY
01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA	01/01/2007	AA
DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION	
S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT	
DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY	
CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY	
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007		01/01/2007	
BY		BY		BY		BY		BY		BY		BY		BY		BY		BY	
AA		AA		AA		AA		AA		AA		AA		AA		AA		AA	
TITLE		TITLE		TITLE		TITLE		TITLE		TITLE		TITLE		TITLE		TITLE		TITLE	
S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT		S866P9 10/100 BASE-T CIRCUIT	
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
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BY		BY		BY		BY		BY		BY		BY		BY		BY		BY	
AA		AA		AA		AA		AA		AA		AA		AA		AA		AA	
SCALE		SCALE		SCALE		SCALE		SCALE		SCALE		SCALE		SCALE		SCALE		SCALE	
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SHEET		SHEET		SHEET		SHEET		SHEET		SHEET		SHEET		SHEET		SHEET		SHEET	
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TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
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