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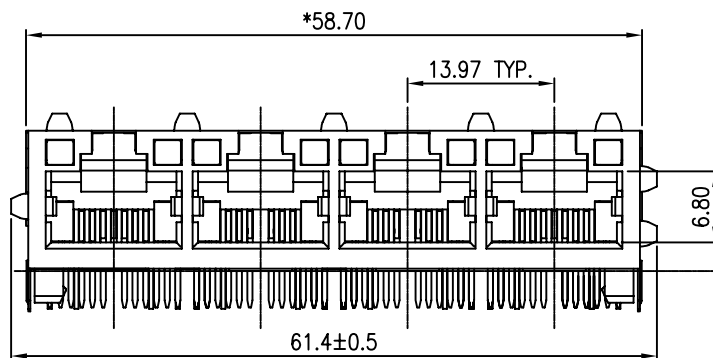
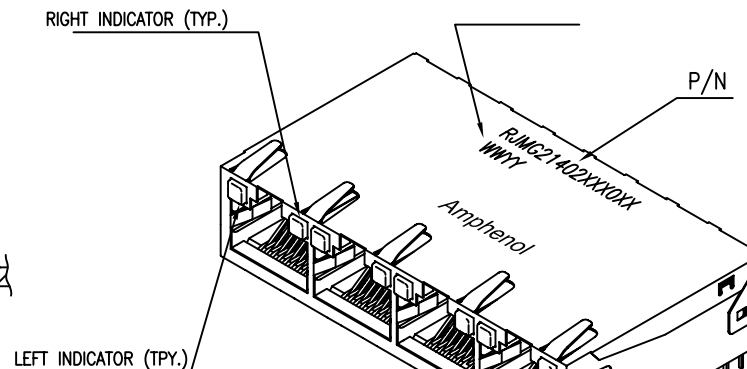
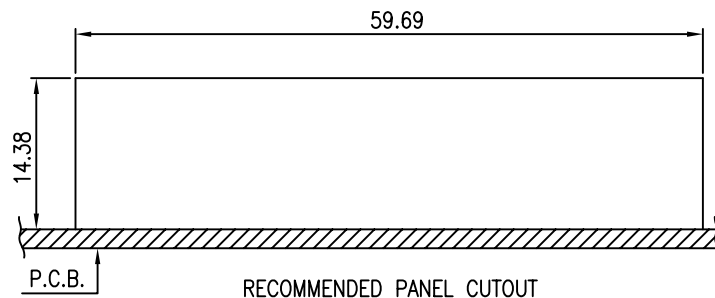
MFG CODE: VHGH1

CUSTOMER DRAWING ORIGINAL

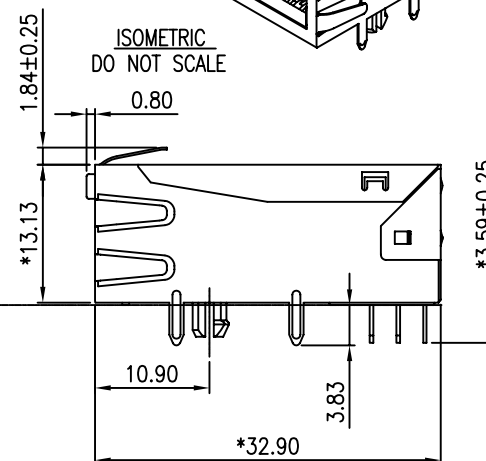
REVISIONS

SYM	ECN No.	DESCRIPTION	DATE	APPROVED
B		PRLIMITARY RELEASE	04/26/2005	JOSEPH

DATE CODE



P.C.B MOUNTING SURFACE



STANDARD DIMENSION TOLERANCE FOR CONNECTOR

.X	
.XX	±0.2
.XXX	

STANDARD DIMENSION TOLERANCE FOR PC BOARD & PANNEL CUT OUT

.X	
.XX	±0.05
.XXX	

APPROVALS

DATE

TITLE

RJmag 1000 BASE
T CONNECTOR
1:1 RATIO
4 PORT

Amphenol®
Amphenol Corporation

SCALE N.A. SHEET 1 OF 4

DRAWING NO.

RJMG21402XXX0XX

REV.

B

UNIT

MM

SIZE

PART NO.

RJMG21402XXX0XX

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CUSTOMER DRAWING ORIGINAL

ELECTRICAL SPECIFICATION(@25° C)

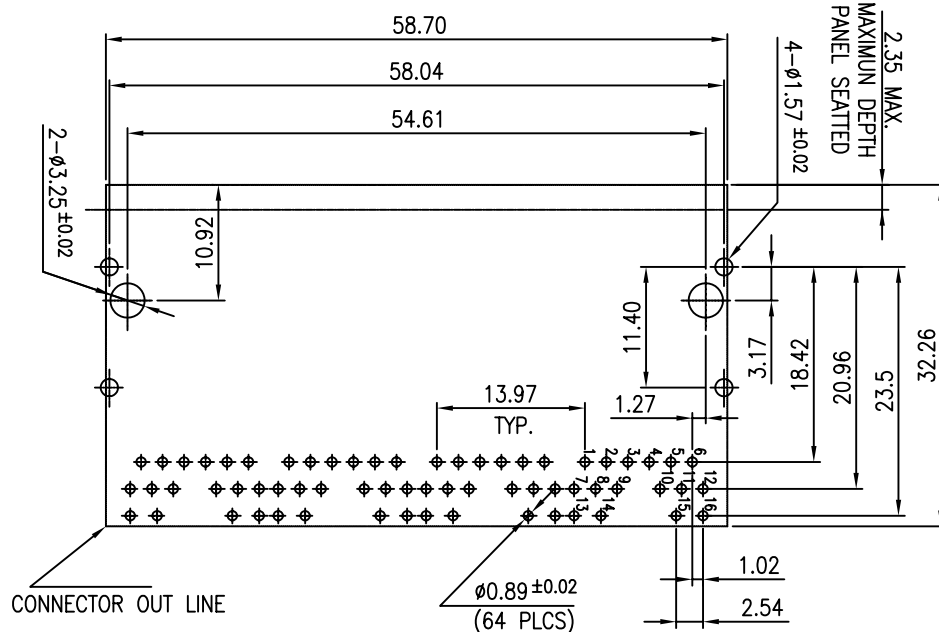
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LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR				UNITS
	GREEN	YELLOW	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30		30		mA
REVERSE CURRENT IR MAX	10	10	10		10		uA
REVERSE VOLTAGE VR MAX	-5	-5	-5		-5		V
T OPERATURE	-40~+85	-40~+85	-40~+85		-40~+85		°C
T SOLDERING	260+/-5		260+/-5		260+/-5		°C
POWER DISS. Pd	1/16	100	1/16		100		mW
INTENSITY Iv	45 Min	15 Min	20 Min	30 Min	20 Min	30 Min	MCD (@IF=20mA)
PEAK WAVELENTH	565	585	565	585	565	605	nm
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.1	2.2	2.0	V (@IF=20mA)
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	2.6	2.6	V (@IF=20mA)

CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB MAX. -1.2dB MAX.	0.1-100 MHz 100-125 MHz
RETURN LOSS (RX/TX)	-16dB MIN. -10+20 log(f/80MHz)dB MIN.	0.5-40 MHz 40-100 MHz
CM-CM REJECTION	-30dB MIN.	100 KHz-100 MHz
CM-DM REJECTION	-35dB MIN.	100 KHz-100 MHz
CROSSTALK ISOLATION (RX/TX)	-30+20 log(f/100MHz)dB MIN.	100 KHz-100 MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60S
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	



RECOMMENDED P.C.B LAYOUT (GENERAL TOLERANCE: ±0.05)
COMPONENT SIDE OF BOARD



APPROVALS		DATE	TITLE RJmag 1000 BASE T CONNECTOR 1:1 RATIO 4 PORT		Amphenol® Amphenol Corporation	
DRAWN		Lucy Lee				
CHECKED		Aray Zhang				
APPROVED		Joseph				
					SCALE N.A. SHEET 2 OF 4	
		UNIT	SIZE	PART NO.	DRAWING NO.	REV.
		MM	A3	RJMG21402XXX0XX	RJMG21402XXX0XA	B

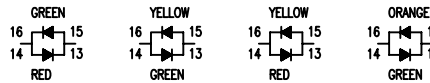
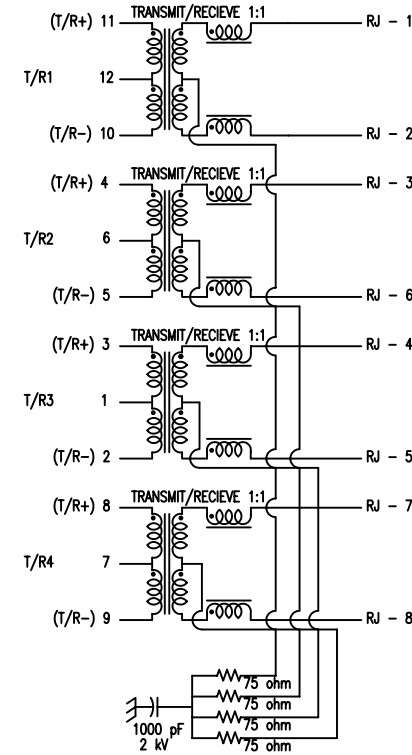
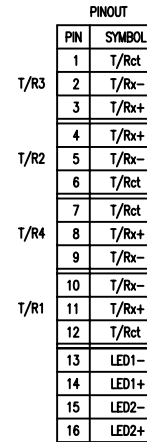
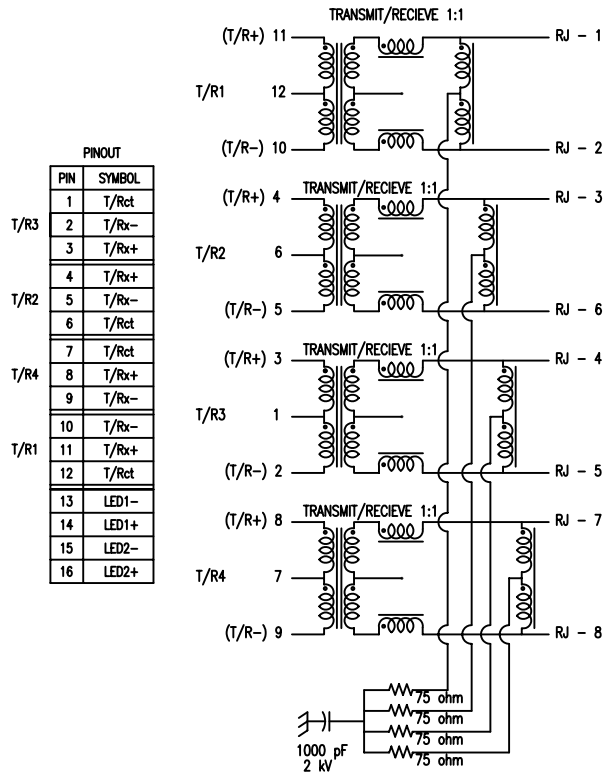
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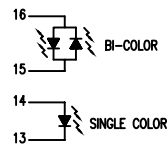
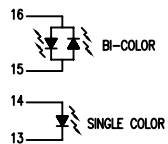
CUSTOMER DRAWING

ORIGINAL

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
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BI-COLOR LED DETAIL



SCHEMATIC, 2-CHOKE
1 PORT SHOWN

SCHEMATIC, 1-CHOKE
1 PORT SHOWN

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DRAWN	Lucy Lee	04/26/2005			
CHECKED	Aray Zhang	04/26/2005			
APPROVED	Joseph	04/26/2005			
UNIT MM		SIZE A3	PART NO. RJMG21402XXX0XX	DRAWING NO. RJMG21402XXX0XX	REV. B

SCALE N.A. SHEET 3 OF 4

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CUSTOMER DRAWING ORIGINAL

RJMG-2140 - 2 X- X X- 0 X X

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SYM	ECN No.	DESCRIPTION	DATE	APPROVED
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THIS PRODUCT COMPLIES WITH IEEE 802.3.

MATERIALS:

INSULATOR: THERMOPLASTIC POLYESTER,
COLOR: BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS (RJMG): PHOSPHOR BRONZE
PLATING: SELECTIVE GOLD OVER MATING SURFACES.
100 MICROINCHES TIN/LEAD ALLOY ON TAILS.

SHIELD: COPPER ALLOY T=0.2MM,TIN/LEAD 100u" MIN OR NICKEL 50u"Min

DIMENSIONS MARKED WITH "*" SHALL BE MEASURED.

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202,METHOD 208.

MATING/UNMATING FORCE:

RJ PORT MATING/UNMATING 2.1Kg MAX

RETENTION FORCE FOR RJ PORT: 5Kg FOR 1 MINUTE

PACKAGING: 20PCS/PLASTIC TRAY,6 TRAYS/CARTON

MEET FCC PART 68.500 REQUIREMENTS.

Environmental

OPERATING TEMPERATURE:0°C TO +70°C.

STORAGE TEMPERATURE:-40°C TO +105°C.

SOLDERING TEMPERATURE: 220°C FOR 10 SECONDS

ALTITUDE OPERATING RANGE: SEA LEVEL TO 3000m

Humidity: per MIL-STD-1344A,method 1002.1, test condition B

Thermal Shock: per MIL-STD-1344A,method 1003.1, test condition A

Vibration: per MIL-STD-1344A,method 2005.1, test condition j

Mechanical Shock: per MIL-STD-1344A,method 2004.1, test condition C

Salt Spray: 24 hours per MIL-STD-1344A,method 1001.1, test condition B



LED1 (RIGHT SIDE)

- 0- No LED (Blocked Hole)
- 1- Green
- 2- Yellow
- 3- Red
- 4- Bi-color Green/Yellow
- 5- Bi-color Red/Green
- 6- Bi color Green/Orange
- 7- Bi color Red/Yellow



A: A electrical specifications
L: Lead-Free Compliant; A electrical specifications
R: RoHS Compliant; A electrical specifications

plating and packaging

- 0: Gold Flash,Copper Alloy Shield with Sn/Pb 100u inches.Tray
- 1: Gold 15u Inches,Copper Alloy Shield with Sn/Pb 100u inches,Tray
- 2: Gold 30u Inches,Copper Alloy Shield with Sn/Pb 100u inches,Tray
- L: Gold Flash,Copper Alloy Shield with Nickel 50u inches, Tray
- M: Gold 15u Inches, Copper Alloy Shield with Nickel 50u inches, Tray
- N: Gold 30u Inches, Copper Alloy Shield with Nickel 50u inches, Tray

TERMINATION OPTIONS

- 1: 4 X 75 OHM RESISTORS,12 cores 1000 pf (2KV)
- 2: 4 X 75 OHM RESISTORS, 8 cofes version1 1000 pf (2KV)
- 3: 4 X 75 OHM RESISTORS, 8 cofes version2 1000 pf (2KV)
- 5: 4 X 75 OHM RESISTORS, 8 cofes 68 pf

LED2 (LEFT SIDE) SEE LED1 OPTIONS

STANDARD DIMENSION TOLERANCE FOR CONNECTOR		APPROVALS		DATE		TITLE RJmag 1000 BASE T CONNECTOR 1:1 RATIO 4 PORT		Amphenol® Amphenol Corporation							
.X		DRAWN	Lucy Lee	04/26/2005											
.XX	±0.2	CHECKED	Aray Zhang	04/26/2005											
.XXX		APPROVED	Joseph	04/26/2005											
STANDARD DIMENSION TOLERANCE FOR PC BOARD & PANNEL CUT OUT								SCALE		N.A.	SHEET 4 OF 4				
.X															
.XX	±0.05			UNIT	MM	SIZE	A3	PART NO.	RJMG21402XXX0XX		DRAWING NO.	RJMG21402XXX0XX		REV.	B
.XXX															