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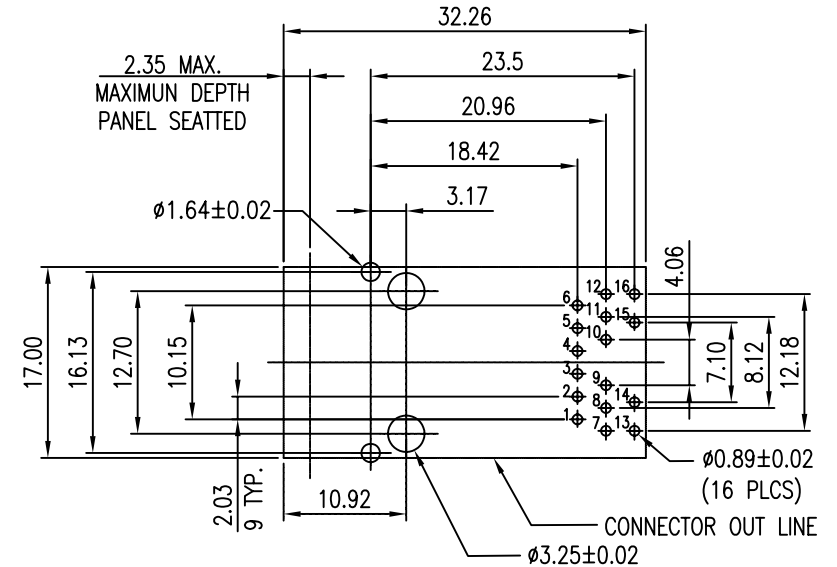
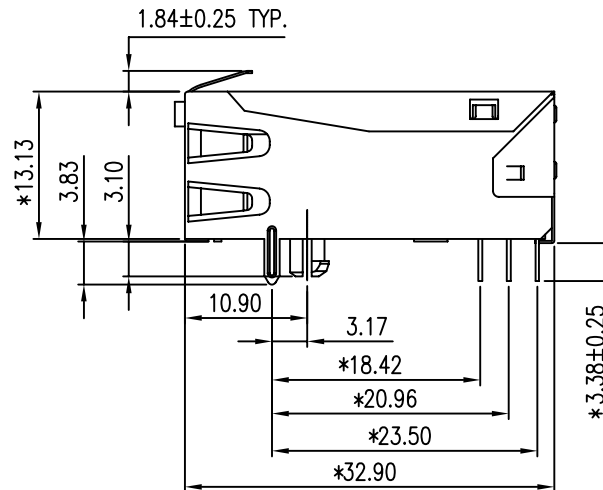
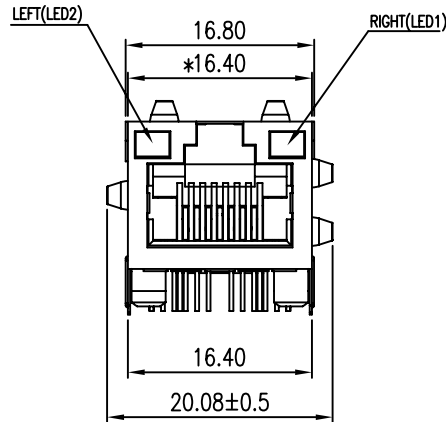
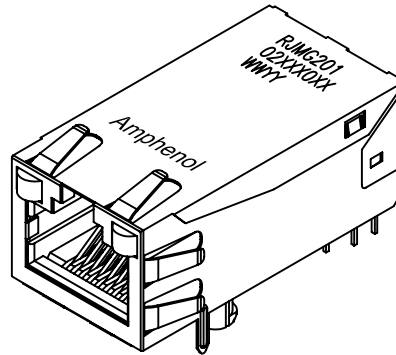
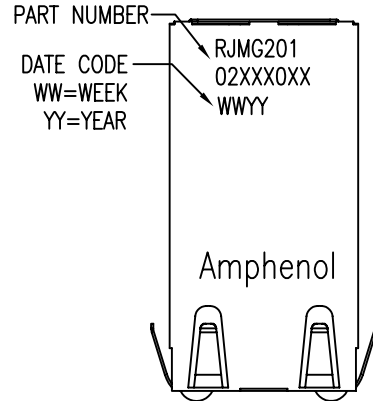
MFG CODE: VHIGH1

** THIS PRODUCT DIDN'T HAVE ENVIRONMENT- RELATED SUBSTANCES PER MATERIALS SPECIFICATION #MS-S001, LEVEL 1. WHEN THE TIME SET SCHEDULE OF LEVEL 2 IS EXPIRY, THE SUBSTANCES SHALL NOT BE CONTAINED WITH THIS PRODUCT.

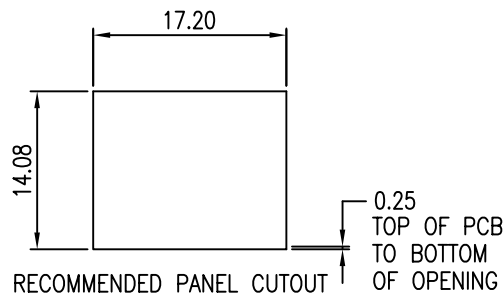
THIS PRODUCT COMPLIES WITH IEEE 802.3.

CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A7		RELEASE TO PRODUCTION	01/03/2006	Joseph Hsu



RECOMMENDED P.C.B LAYOUT
COMPONENT SIDE OF BOARD



STANDARD DIMENSION TOLERANCE FOR CONNECTOR		APPROVALS		DATE		TITLE RJMG201 SERIES RJmag GIGABIT SINGLE PORT 1:1 RATIO		Amphenol® Amphenol Corporation					
.X		DRAWN	Lucy Lee	01/03/2006									
.XX	±0.2	CHECKED	Jason Zhan	01/03/2006									
.XXX		APPROVED	Joseph Hsu	01/03/2006									
STANDARD DIMENSION TOLERANCE FOR PC BOARD & PANNEL CUT OUT								SCALE	N.A.	SHEET 1 OF 4			
.X				UNIT	MM	SIZE	A3	PART NO.	RJMG20102XXX0XX	DRAWING NO.	RJMG20102XXX0XX	REV.	A7
.XX	±0.05												
.XXX													

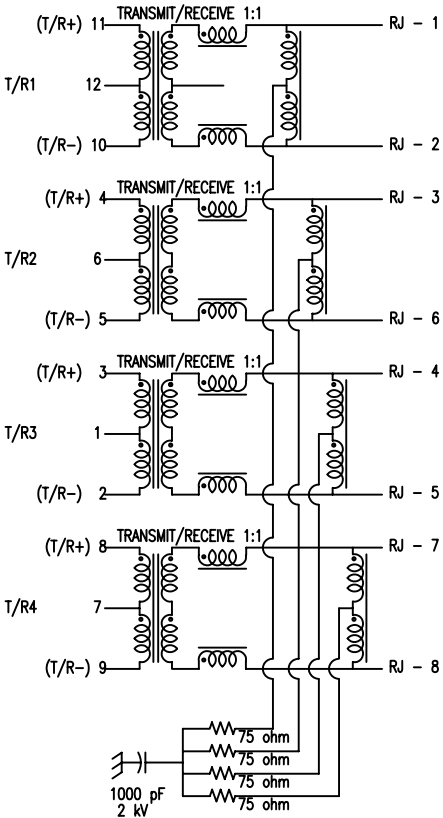
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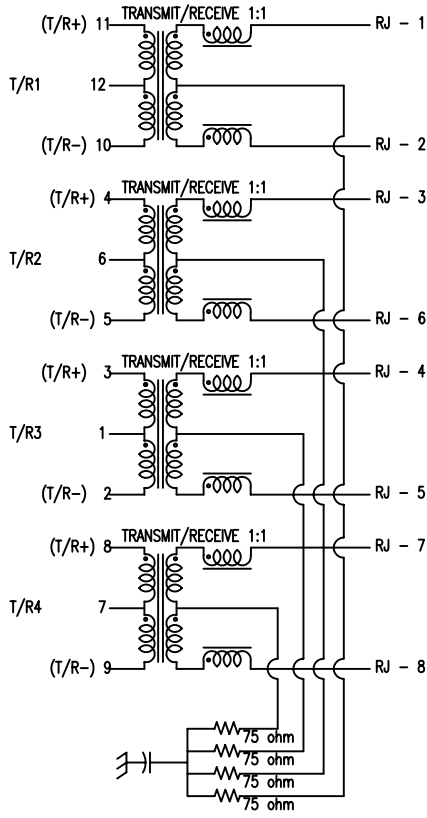
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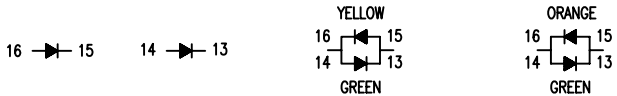
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SCHEMATIC RJMG20102XX10XX CAP. 1000 pF



SCHEMATIC RJMG20102XX20XX CAP. 1000 pF



LED DETAIL

APPROVALS		DATE	TITLE RJMG201 SERIES RJmag GIGABIT SINGLE PORT 1:1 RATIO		Amphenol® Amphenol Corporation	
DRAWN	Lucy Lee	01/03/2006				
CHECKED	Jason Zhan	01/03/2006				
APPROVED	Joseph Hsu	01/03/2006				
		UNIT MM	SIZE A3	PART NO. RJMG20102XXX0XX	DRAWING NO. RJMG20102XXX0XX	REV. A7

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ELECTRICAL SPECIFICATION(@25° C)

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		℃
T SOLDERING	260+/-5	260+/-5	260+/-5		260+/-5		℃
POWER DISS. Pd	100	100	100		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%	



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APPROVED	Joseph Hsu	01/03/2006				
		UNIT MM	SIZE A3	PART NO. RJMG20102XXX0XX	DRAWING NO. RJMG20102XXX0XX	REV. A7

SCALE N.A. SHEET 3 OF 4

CUSTOMER DRAWING

REVISIONS

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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 OR PURE TIN 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: 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 I

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

RJMG-2010 - 2 X- X X- 0 X X

COMPLIANCE CODE

BLANK: NONE-RoHS

R: RoHS Compliant

PLATING AND PACKAGE

O: Gold Flash,Copper Alloy Shield with Sn/Pb 100u inches.

1: Gold 15u Inches,Copper Alloy Shield with Sn/Pb 100u inches.

2: Gold 30u Inches,Copper Alloy Shield with Sn/Pb 100u inches.

L: Gold Flash,Copper Alloy Shield with Nickel 50u inches.

M: Gold 15u Inches, Copper Alloy Shield with Nickel 50u inches.

N: Gold 30u Inches, Copper Alloy Shield with Nickel 50u inches.

TERMINATION OPTIONS

1: 4 X 75 OHM RESISTORS,12 cores 1000 pf (2KV)

2: 4 X 75 OHM RESISTORS, 8 cores version1 1000 pf (2KV)

LED1 (RIGHT SIDE)

0- No LED (Blocked Hole)

1- Green

2- Yellow

4- Bi-color Green/Yellow

6- Bi color Green/Orange

LED2 (LEFT SIDE) SEE LED1 OPTIONS



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SCALE N.A. SHEET 4 OF 4