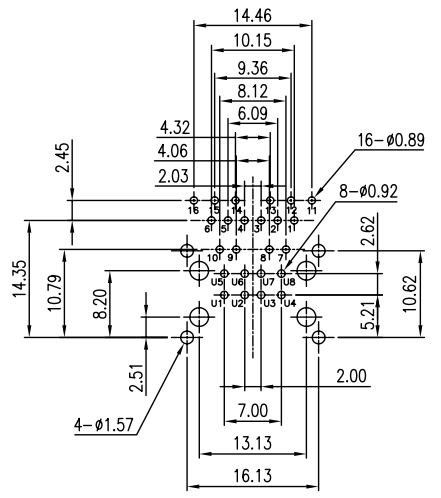
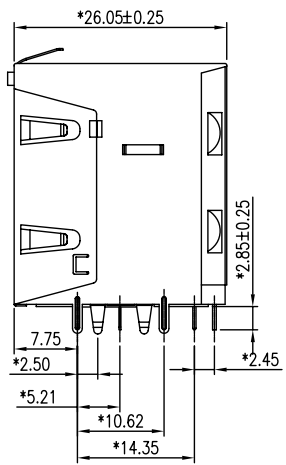
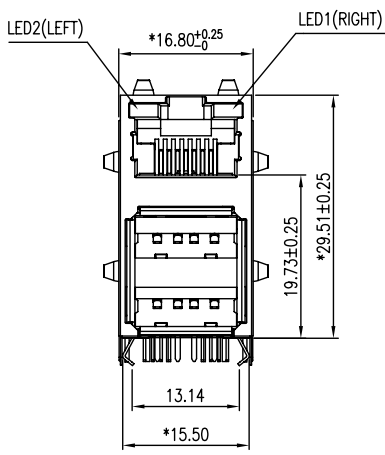
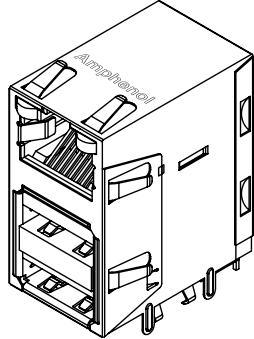
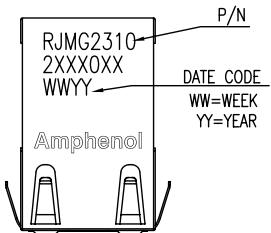


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CUSTOMER DRAWING

REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE APPROVED
B1		CHANGE THE P/N MATRIX	01/03/2005 John De Jong



RECOMMENDED PCB LAYOUT
 (ALL TOLERANCES ARE \pm 0.05)

TOLERANCE	m/m	APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation		
x.	\pm 0.30	DRAWN Lucy Lee	01/03/05	RJMG 1000 BASE T OVER STACKED USB	SCALE 2:1 SHEET 1 OF 4		
x.x	\pm 0.25	CHECKED Kevin Xie	01/03/05		DRAWING NO. RJMG23102XXX0XX		
x.xx	\pm 0.15	APPROVED Joseph Hsu	01/03/05		REV. B1		
x.xxx	\pm 0.08						
ANGULAR	\pm 1°			UNIT MM	SIZE A4	PART NO. RJMG23102XXX0XX	DRAWING NO. RJMG23102XXX0XX
UNLESS OTHERWISE SPECIFIED							

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CUSTOMER DRAWING

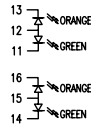
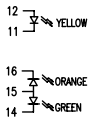
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
B1		CHANGE THE P/N MATRIX	01/03/2005	John De Jong

PIN	SYMBOL
1	GND
2	T/R1+
3	T/R1-
4	T/R2+
5	T/R2-
6	COMMON CT
7	T/R3+
8	T/R3-
9	T/R4+
10	T/R4-

PIN	SYMBOL
1	VCC
2	-DATA
3	+DATA
4	GROUND
5	VCC
6	-DATA
7	+DATA
8	GROUND

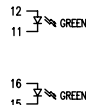
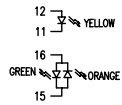
GIGA BIT RJMG PINOUT

STACKED USB PINOUT



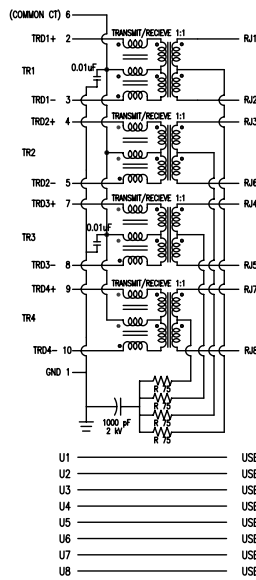
RJMG2310228X0XX

RJMG2310288X0XX

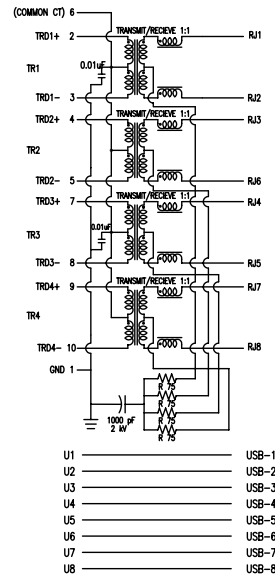


RJMG2310226X0XX

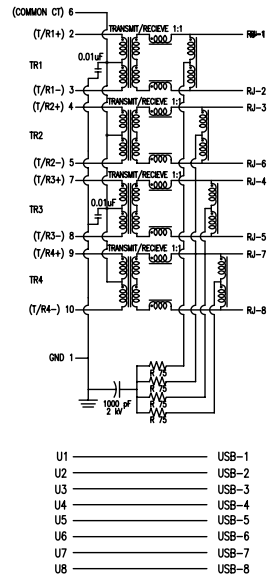
RJMG2310211X0XX



△BT1 SCHEMATIC DIAGRAM (ONE CHOKE)
RJMG23102XX40XX



△BT1 SCHEMATIC DIAGRAM (ONE CHOKE)
RJMG23102XX20XX
RJMG23102XX30XX



△BT1 SCHEMATIC DIAGRAM (TWO CHOKES)
RJMG23102XX10XX

APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation	
DRAWN Lucy Lee	01/03/05	RJMG 1000 BASE T OVER STACKED USB	SCALE	N.A.
CHECKED Kevin Xie	01/03/05		SHEET	2 OF 4
APPROVED Joseph Hsu	01/03/05		DRAWING NO.	RJMG23102XXX0XX
UNIT MM	SIZE A4	PART NO. RJMG23102XXX0XX	REV. B1	

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
B1		RELEASE TO PRODUCTION	01/03/2005	John De Jong

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		°C
T SOLDERING	260+/-5	260+/-5	260+/-5		260+/-5		°C
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 WAVELENGTH	565	585	565	585	565	605	nM
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.1	2.2	2.0	$\frac{V}{I}$ (@IF=20mA)
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	2.6	2.6	$\frac{V}{I}$ (@IF=20mA)

CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-1.0dB 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.	100KHz-100MHz
CM-DM REJECTION	-35dB MIN.	100KHz-100MHz
CROSSTALK ISOLATION (RX/TX)	-30+20 log(f/100MHz)dB MIN.	100KHz-100MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60S
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

TOLERANCE m/m	APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation	
x. ±0.30	DRAWN Lucy Lee	01/03/05	RJMG 1000 BASE T OVER STACKED USB	SCALE	N.A.
x.x ±0.25	CHECKED Kevin Xie	01/03/05		SHEET	3 OF 4
x.xx ±0.15	APPROVED Joseph Hsu	01/03/05		DRAWING NO.	RJMG23102XXX0XX
x.xxx ±0.08				REV.	B1
ANGULAR ±1°			UNIT	MM	
UNLESS OTHERWISE SPECIFIED			SIZE	A4	
			PART NO.	RJMG23102XXX0XX	

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
B1		RELEASE TO PRODUCTION	01/03/2005	John De Jong

MATERIALS:

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

CONTACTS (RJ MAG): PHOSPHOR BRONZE
 PLATING: SELECTIVE GOLD OVER MATING SURFACES.
 100 MICROINCHES BRIGHT TIN ON TAILS OR 100 MICROINCHES SN/PB ALLOY

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

DIMENSIONS MARKED WITH "*" SHALL BE MEASURED.

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202,METHOD 208.

MATING/UNMATING FORCE:

USB PORT INSERTION 3.5Kg MAX
 REMOVAL 1.0Kg MIN

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 II

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-2310 - 2 X- X X- 0 X X

LED1 (RIGHT SIDE)
 1: Green
 2: Yellow
 4: Bi color Green/Yellow
 6: Bi color Green/Orange
 8: Bi-color Green/Orange(3 leads)

COMPLIANCE CODE
 BLANK: NONE-RoHS
 R: RoHS Compliant

NONE RoHS Compliance

PLATING AND PACKAGE

- 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

- C: Gold Flash, Stainless steel shield, Tray
- D: Gold 15u Inches, Stainless steel shield, Tray
- E: Gold 30u Inches, Stainless steel shield, 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*75R,1000pf 12cores
- 2: 4*75R,1000pf 8cores version 1
- 3: 4*75R,1000pf 8cores version 1
- 4: 4*75R,1000pf 8cores version 2

LED2 (LEFT SIDE) SEE LED1 OPTIONS

TOLERANCE	m/m	APPROVALS	DATE	TITLE		Amphenol® Amphenol Corporation	
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x.x	±0.25	CHECKED Kevin Xie	01/03/05			DRAWING NO. RJMG23102XXX0XX	
x.xx	±0.15	APPROVED Joseph Hsu	01/03/05			REV. B1	
x.xxx	±0.08						
ANGULAR	±1°			SIZE A4	PART NO. RJMG23102XXX0XX	DRAWING NO. RJMG23102XXX0XX	REV. B1
UNLESS OTHERWISE SPECIFIED				UNIT MM			