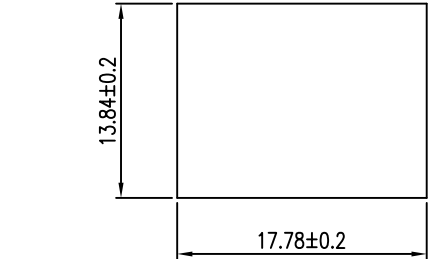
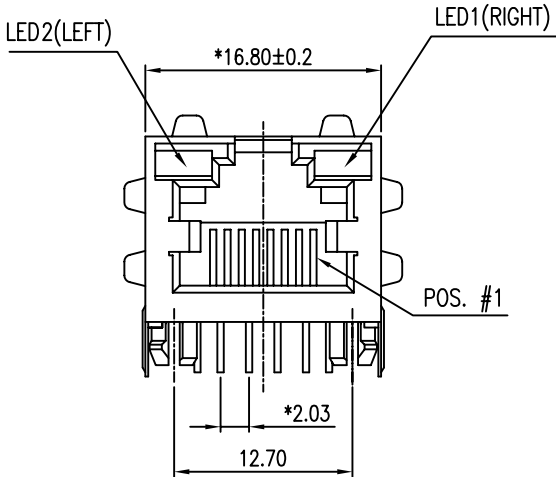
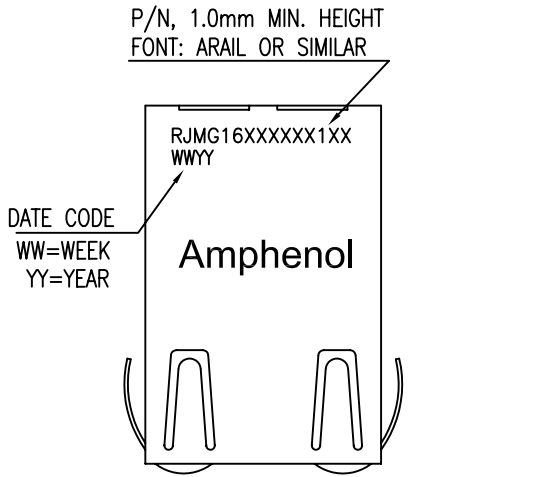


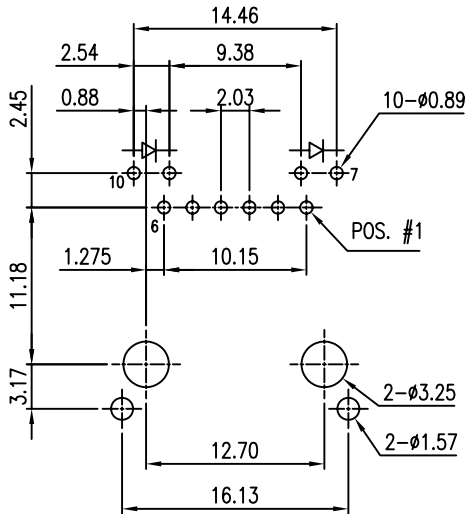
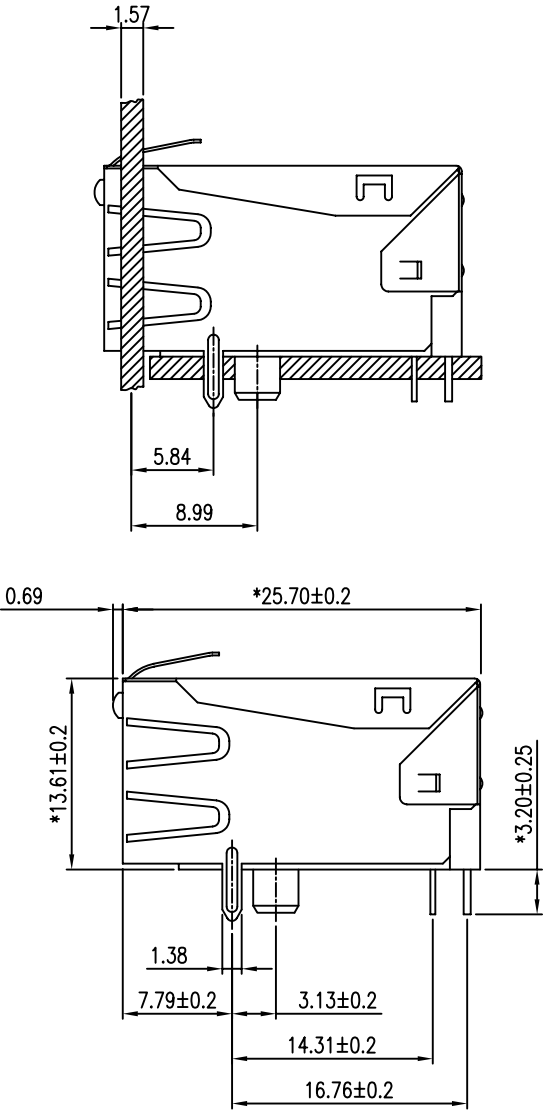
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CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
E1		RELEASE TO PRODCUTION	01/03/2006	Joseph Hsu



RECOMMENDED PANEL CUTOUT



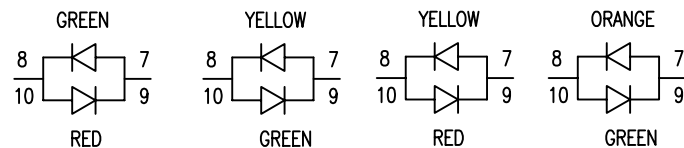
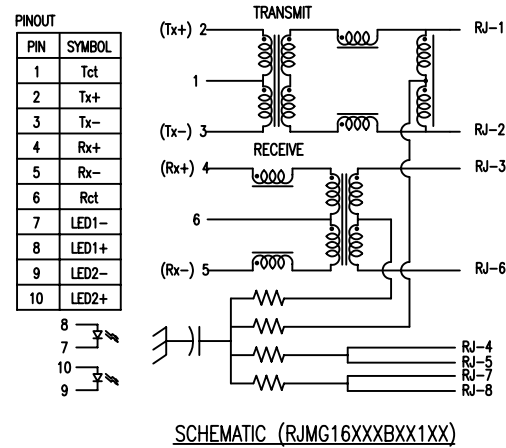
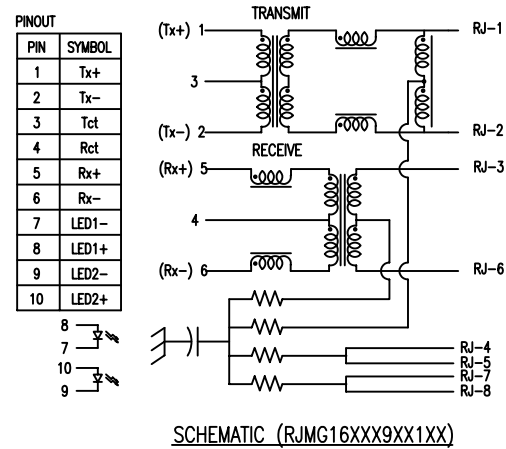
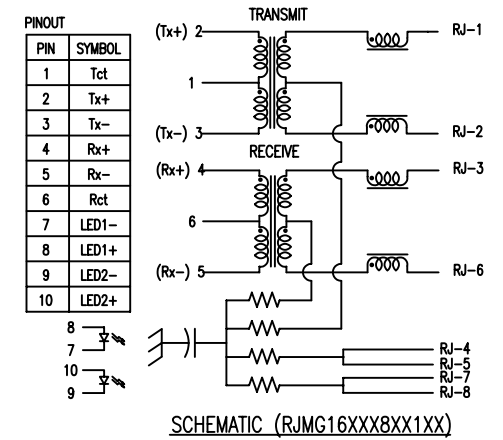
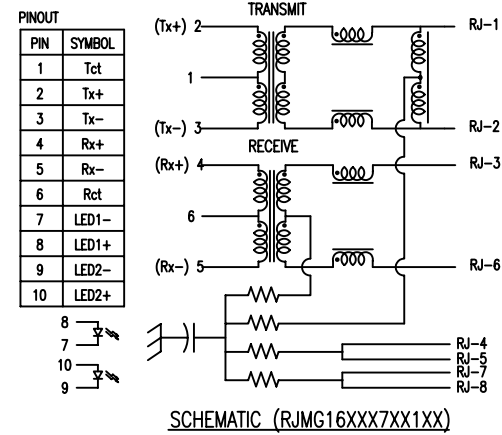
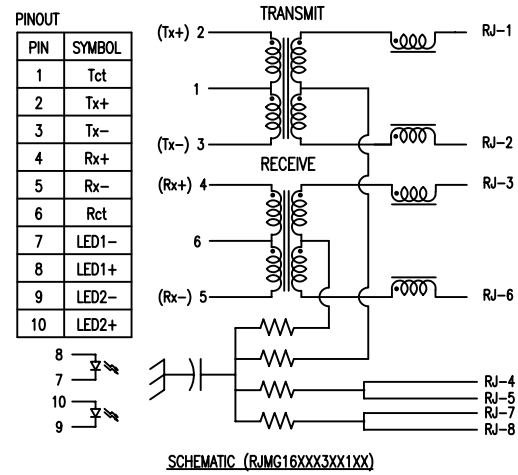
RECOMMENDED PCB LAYOUT
(ALL TOLERANCES ARE ±0.05)

TOLERANCE m/m		APPROVALS		DATE	TITLE		Amphenol® Amphenol Corporation		
x.	±0.30	DRAWN	Lucy Lee	01/03/06	SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION 10/100				
x.x	±0.25	CHECKED	Kevin Xie	01/03/06					
x.xx	±0.15	APPROVED	Joseph Hsu	01/03/06					
x.xxx	±0.08						SCALE N.A. SHEET 1 OF 4		
ANGULAR	±2°								
UNLESS OTHERWISE SPECIFIED				UNIT	SIZE	PART NO.	DRAWING NO.		REV.
				MM	A4	RJMG16XXXXXX1XX	RJMG16XXXXXX1XX		E1

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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
E1		RELEASE TO PRODCUTION	01/03/2006	Joseph Hsu



BI-COLOR LED DETAIL

APPROVALS		DATE	TITLE SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION 10/100		Amphenol® Amphenol Corporation						
DRAWN		Lucy Lee					01/03/06				
CHECKED		Kevin Xie					01/03/06				
APPROVED		Joseph Hsu					01/03/06				
		UNIT	MM	SIZE	A4	PART NO.	RJMG16XXXXXX1XX	DRAWING NO.	RJMG16XXXXXX1XX	REV.	E1

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TURN RATIO 1:1±5%

PARAMETER	TYPE	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB TYP.	-1.0dB MAX.	1-100 MHz
RETURN LOSS (RX/TX)	-22dB TYP. -18dB TYP. -12dB TYP.	-18dB MIN. -18+20log(f/30)dB MIN. -12dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz
DC RESISTANCE	0.5 ohm MIN.	1.0 ohm MAX full 0.5 ohm MAX half	DC
CM-CM REJECTION	-40dB TYP.	-30dB MIN.	0-100MHz
CM-DM REJECTION	-40dB TYP.	-35dB MIN.	0-100MHz
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25KV/1.5KVrms.	2.25KV/1.5KVrms.	60S DC/AC
OCL	500uH TYP.	350uH MIN.	100KHz 8mV DC BIAS

TURN RATIO: 1:2±5%

PARAMETER	TYPE	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB TYP.	-1.0dB MAX.	1-10 MHz
RETURN LOSS (RX/TX)	-20dB TYP.	-16dB MIN.	1-10 MHz
DC RESISTANCE	0.5 ohm MIN.	1.0 ohm MAX full 0.5 ohm MAX half	DC
CM-CM REJECTION	-40dB TYP.	-30dB MIN.	0-100MHz
CM-DM REJECTION	-40dB TYP.	-35dB MIN.	0-100MHz
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25KV/1.5KVrms.	2.25KV/1.5KVrms.	60S DC/AC
OCL RECEIVE	500uH TYP.	350uH MIN.	100KHz 8mV DC BIAS
OCL TRANSMIT	75uH TYP.	50uH MIN.	100KHz 8mV DC BIAS

LED PERFORMANCE:

PARAMETER	SINGLE COLOUR		BICOLOUR		UNITS
	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30		mA
REVERSE CURRENT IR MAX	10	10	10		uA
REVERSE VOLTAGE VR MAX	-5	-5	-5		V
T OPERATURE TOP	-40~+85	-40~+85	-40~+85		℃
T SOLDERINGTURE TS	260+/-5	260+/-5	260+/-5		℃
POWER DISS. Pd	100	100	100		mW
INTENSITY Iv	80	40	20	25	MCD
PEAK WAVELENTH	565	585	565	605	nM
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.0	V
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	V



NOTES:

- 1. DESIGNATORS 1 TO 10 ARE PRINTED WIRE BOARD CONNECTIONS.
- 2. DIFFERENT CAPACITOR VALUES ARE AVAILABLE UPON REQUEST.

APPROVALS		DATE	TITLE SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION 10/100		Amphenol® Amphenol Corporation	
DRAWN Lucy Lee		01/03/06				
CHECKED Kevin Xie		01/03/06				
APPROVED Joseph Hsu		01/03/06				
		UNIT MM	SIZE A4	PART NO. RJMG16XXXXXX1XX	DRAWING NO. RJMG16XXXXXX1XX	REV. E1

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CUSTOMER DRAWING

REVISIONS			
SYM	ECN No.	DESCRIPTION	DATE
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			Joseph Hsu

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.

SHIELD: COPPER ALLOY T=0.2MM,
NICKEL 50u"MIN, PRE-SOLDERING ON GROUND TAB.

DIMENSIONS MARKED WITH "*" SHALL BE MEASURED.

MECHANICAL FEATURES:

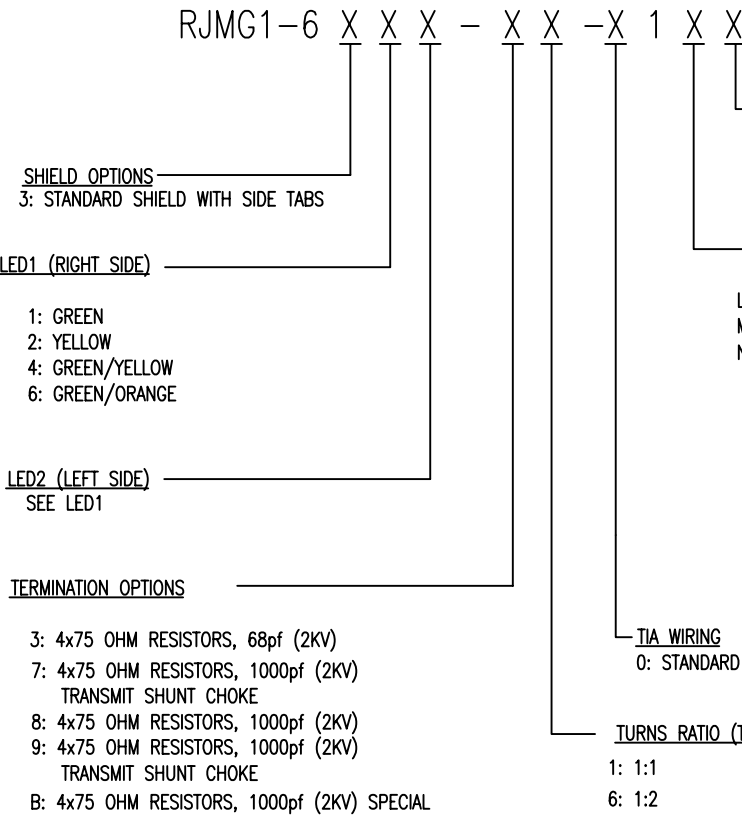
SOLDERABILITY: MIL-STD-202,METHOD 208.

MATING/UNMATING FORCE:

RJ PORT MATING/UNMATING 2.1Kg MAX
RETENTION FORCE FOR RJ PORT: 5Kg FOR 1 MINUTE
PACKAGING: 50PCS/PLASTIC TRAY,12 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



COMPLIANCE CODE
BLANCK: NONE-ROHS
R: RoHS Compliant

PLATING THICKNESS ON MATING CONTACTS AND SHIELD SPEC

L: Gold Flash, Copper Alloy Shield with Nickel 50u inch min
M: Gold 15u in, Copper Alloy Shield with Nickel 50u inch min
N: Gold 30u in, Copper Alloy Shield with Nickel 50u inch min



NOTE: TERMINATION OPTIONS "7", "9","B"
ONLY AVAILABLE FOR 1:1 TURN RATIO.

APPROVALS		DATE	TITLE SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION 10/100			Amphenol® Amphenol Corporation	
DRAWN	Lucy Lee	01/03/06					
CHECKED	Kevin Xie	01/03/06					
APPROVED	Joseph Hsu	01/03/06					
		UNIT MM	SIZE A4	PART NO. RJMG16XXXXXX1XX	DRAWING NO. RJMG16XXXXXX1XX	SCALE N.A.	SHEET 4 OF 4
						REV. E1	

SCALE N.A. SHEET 4 OF 4