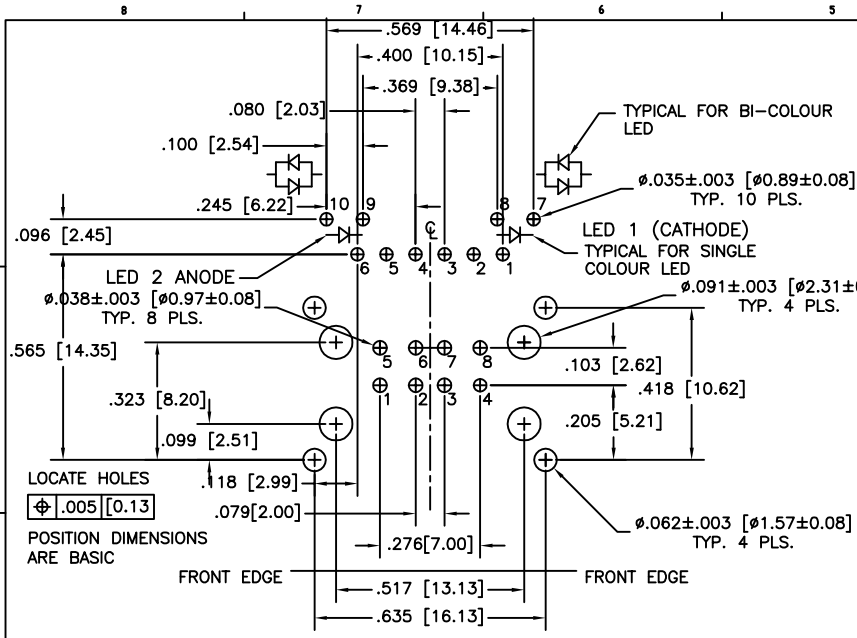
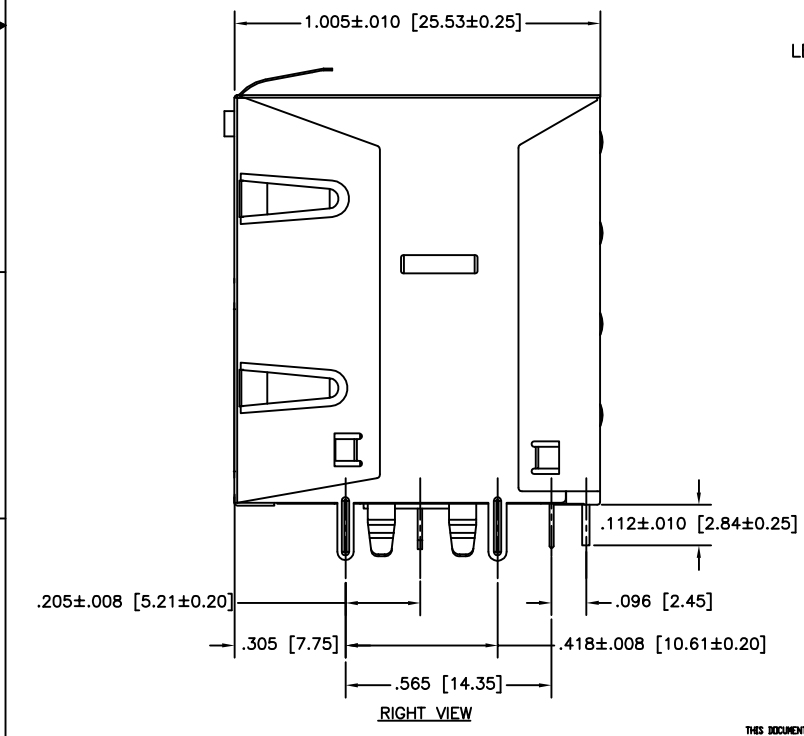


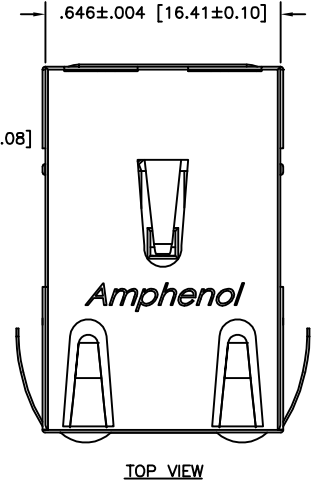
REVISIONS				
NO.	DATE	DESCRIPTION	BY	APPVED
1B		PHILLIPPIET		
1C		DR. WILSON		
1D		AND. CHI-02		



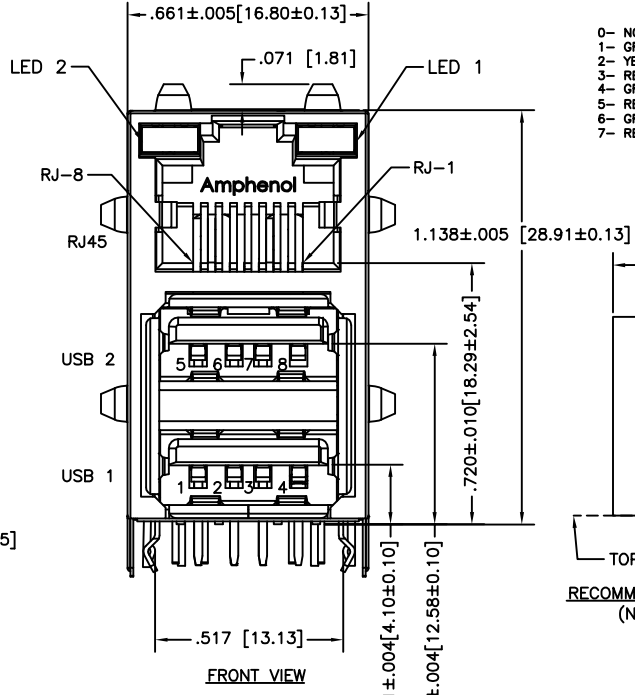
RECOMMENDED P.C.B. FOOTPRINT
(COMPONENT SIDE)



RIGHT VIEW



TOP VIEW



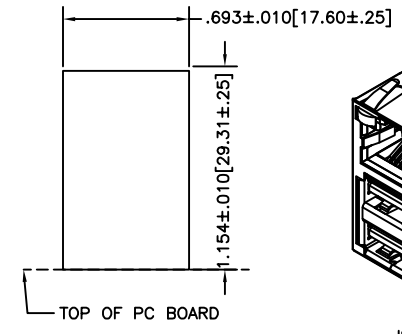
FRONT VIEW

DO NOT SCALE DRAWING

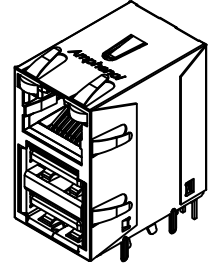
MATERIALS:

- PLASTIC HOUSING: THERMOPLASTIC NYLON
COLOUR: BLACK
FLAMMABILITY RATING UL94V-0
- CONTACTS (RJ45): PHOSPHOR BRONZE
PLATING: 50 MICROINCHES [1.27 MICRONS] GOLD OVER 50 MICROINCHES [1.27 MICRONS] MIN. NICKEL ON MATING SURFACES.
100 MICROINCHES [2.54 MICRONS] TIN/LEAD ALLOY ON CONTACT TAILS.
- CONTACTS (USB): PHOSPHOR BRONZE
PLATING: GOLD OVER NICKEL ON MATING SURFACE
TIN/LEAD ALLOY ON CONTACT TAILS
- SHIELD: COPPER ALLOY
PLATING: TIN-LEAD ALLOY.

- R J M G - 7 3 X X - X X - 0 1
- RJ45, WITH TERMINATION CIRCUIT OVER STACKED USB (SINGLE PORT ONLY)
 - SHIELDED WITH TOP AND SIDE TABS
 - LED1 (RIGHT SIDE)
 - 0- NO LED (BLOCKED HOLE)
 - 1- GREEN
 - 2- YELLOW
 - 3- RED
 - 4- GREEN/YELLOW
 - 5- RED/GREEN
 - 6- GREEN/ORANGE
 - 7- RED/YELLOW
 - LED2 (LEFT SIDE)
 - 0- NO LED (BLOCKED HOLE)
 - 1- GREEN
 - 2- YELLOW
 - 3- RED
 - 4- GREEN/YELLOW
 - 5- RED/GREEN
 - 6- GREEN/ORANGE
 - 7- RED/YELLOW
 - 1- 1 PORT
 - 0- STANDARD
 - 1: 1:1 TURNS RATIO (TRANSMIT)
 - 2: 1.25:1
 - 3: √2 :1
 - 4: 2:1
 - 6: 1:2
 - 7: 1/√2 special 10/100 BASE T
 - 8: 1/√2 10/100 BASE T
 - 9: 1/√2 10 BASE T low inductance
- TERMINATION OPTIONS
- 3: 4 X75 OHM RESISTORS, 68 pf (2KV)
 - 4: 2X0 OHM RESISTORS, 68 pf (2KV)
 - 5: 2X75 OHM RESISTORS, 68 pf (2KV)
 - 6: 3X75 OHM RESISTORS, 68pf (2KV)
 - 7: 4X75 OHM RESISTORS, 1000pf (2KV) TRANSMIT SHUNT CHOKE
 - 8: 4X75 OHM RESISTORS, 1000pf (2KV) TRANSMIT SHUNT CHOKE
 - 9: 4X75 OHM RESISTORS, 1000pf (2KV) TRANSMIT SHUNT CHOKE
- SPECIAL PIN OUT FOR CHIP 82559.
- A: 4X75 OHM RESISTORS, 1000pf (2KV) SPECIAL
- B: 4X75 OHM RESISTORS, 1000pf (2KV) SPECIAL (SEE SCHEMATIC SHEET 3)
- NOTE: TERMINATION OPTIONS "7", "9", "A" AND "B" ONLY AVAILABLE FOR 1:1 TURN RATIO.



RECOMMENDED PANEL CUT-OUT
(NOT TO SCALE)



ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVALS	DATE	Amphenol Canada Corp.
DATE: 03554	DESIGNER: L.K.	DATE: JULY 23, 89	FILE: STACKED RJMAG USB COMBO
SEE NOTE 1	DATE: 03554	DATE: 03554	DATE: 03554
REV: 03554	DATE: 03554	DATE: 03554	DATE: 03554

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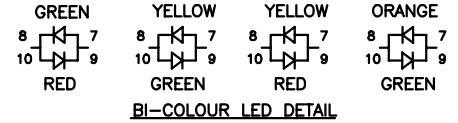
ELECTRICAL SPECIFICATION (@25°C). TURN RATIO: 1:1, 1.25:1, √2:1 AND 2:1

INSETION LOSS	0.8dB TYP.	1.0dB MAX.	1-100MHz
RETURN LOSS	-22dB TYP.	-18dB MIN.	1-30MHz
	-18dB TYP.	-16dB MIN.	30-60MHz
	-12dB TYP.	-10dB MIN.	60-100MHz
OCL	400uH TYP.	350uH MIN.	100KHz
			,8mA DC BIAS
DC RESISTANCE	0.5ohm TYP.	1.0ohm MIN.	DC
CM TO CM REJECTION	40dB TYP.	38dB MIN.	0-100MHz
CM TO DM REJECTION	40dB TYP.	35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25KV	2.25KV	DC
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
(LED TO Tx/Rx)	-60dB TYP.	-50dB MIN.	0-100MHz
COMMON MODE IMPEDANCE	3.5Kohm TYP.	3Kohm MIN.	0-10MHz
	575ohm TYP.	550ohm MIN.	10-100MHz

ELECTRICAL SPECIFICATION (@25°C). TURN RATIO: 1:√2 AND 1:2

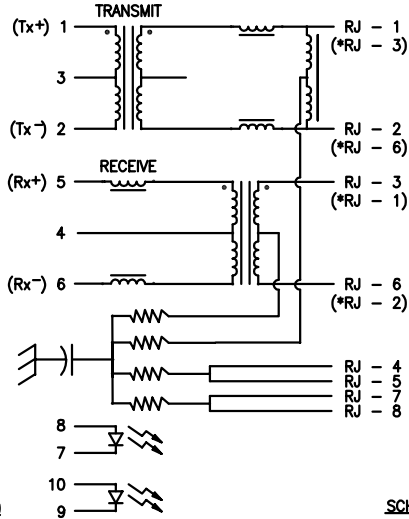
INSETION LOSS	0.8dB TYP.	1.0dB MAX.	1-10MHz
RETURN LOSS	-20dB TYP.	-16dB MIN.	1-10MHz
OCL RECEIVE	400uH TYP.	350uH MIN.	100KHz
			,8mA DC BIAS
OCL TRANSMIT	35uH TYP.	28uH MIN.	100KHz
			,8mA DC BIAS
DC RESISTANCE	0.5ohm TYP.	1.0ohm MIN.	DC
CM TO CM REJECTION	40dB TYP.	38dB MIN.	0-100MHz
CM TO DM REJECTION	40dB TYP.	35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25KV	2.25KV	DC
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
(LED TO Tx/Rx)	-60dB TYP.	-50dB MIN.	0-100MHz
COMMON MODE IMPEDANCE	3.5Kohm TYP.	3Kohm MIN.	0-10MHz
	575ohm TYP.	550ohm MIN.	10-100MHz

REVISIONS			
REV.	BY	DESCRIPTION	DATE
1B		PRELIMINARY	048/04/01
1C		ONE VENDOR	048/04/01
1D		ADD PANEL OFF-SET	048/04/01



PINOUT

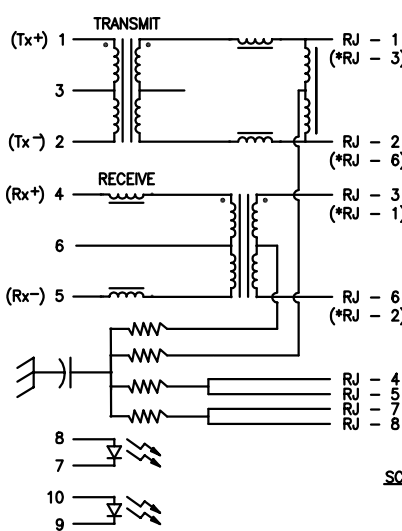
PIN	SYMBOL
1	Tx+
2	Tx-
3	Tct
4	Rct
5	Rx+
6	Rx-
7	LED1-
8	LED1+
9	LED2-
10	LED2+



SCHEMATIC (RJMG-7XXX-9X-01)

PINOUT

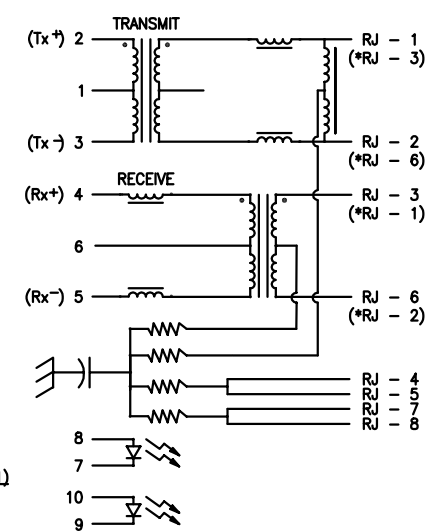
PIN	SYMBOL
1	Tx+
2	Tx-
3	Tct
4	Rx+
5	Rx-
6	Rct
7	LED1-
8	LED1+
9	LED2-
10	LED2+



SCHEMATIC (RJMG-7XXX-AX-01)

PINOUT

PIN	SYMBOL
1	Tct
2	Tx+
3	Tx-
4	Rx+
5	Rx-
6	Rct
7	LED1-
8	LED1+
9	LED2-
10	LED2+



SCHEMATIC (RJMG-7XXX-BX-01)

PINOUT STACKED USB (SERIES A)

PIN	SYMBOL	
1	VCC	(CABLE POWER)
2	-DATA	
3	+DATA	
4	GROUND	(CABLE GROUND)
5	VCC	(CABLE POWER)
6	-DATA	
7	+DATA	
8	GROUND	(CABLE GROUND)

NOTE

- DESIGNATORS 1 TO 10 ARE PRINTED WIRE BOARD CONNECTIONS.
- DIFFERENT CAPACITOR VALUES ARE AVAILABLE UPON REQUEST.
- NUMBERS WITH MARK "*" SHOW THE CONNECTION FOR RJMG-73XX-XX-A1.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVALS	DATE	Amphenol Canada Corp.
DRW: JXX ± .010 ± 1/2"	L.K.	JULY 23, 00	STACKED RJMAG USB COMBO
CHK: JXX ± .010 ± 1/2"			
SEE NOTE 1			
REV: 03554			P-RJMG-73XX-XX-01 1D
			RJMG-USB 3 OF 3