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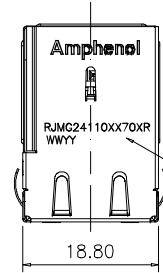


CUSTOMER DRAWING

ORIGINAL

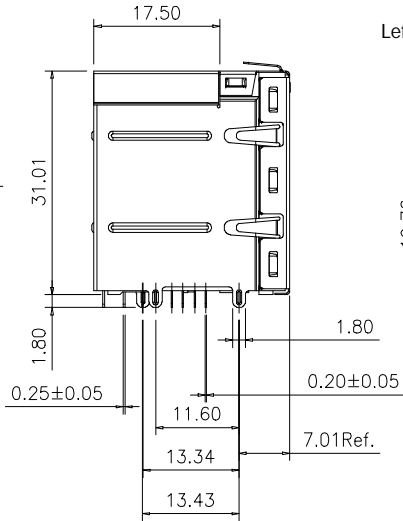


REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A	ECN-12-016	NEW RELEASE	3/27/2012	Roger Tsai
B	ECN-12-018	UPDATE BOTTOM VIEW	12/19/2012	Roger Tsai

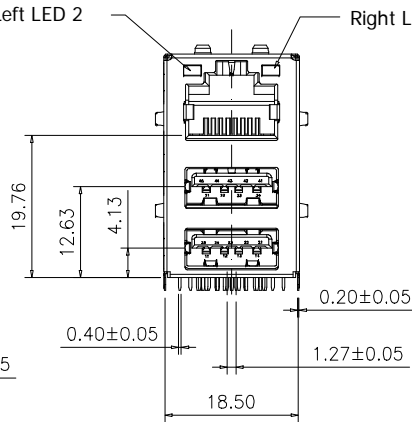


(TOP VIEW)

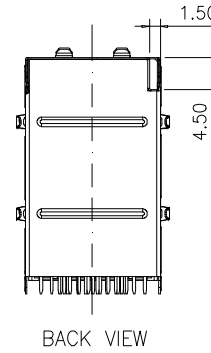
Logo Area



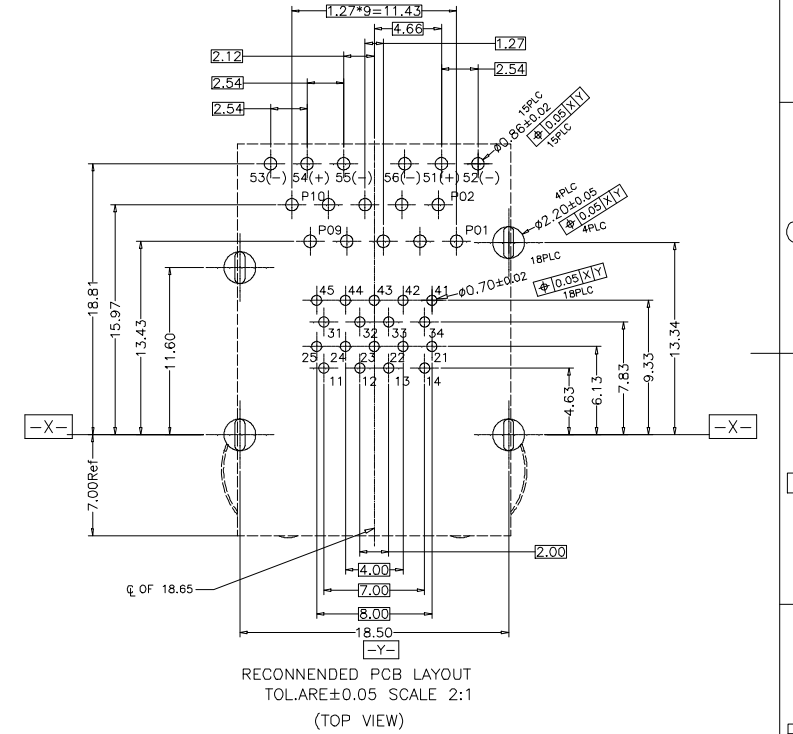
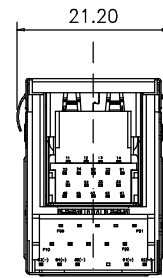
Left LED 2



Right LED 1



BACK VIEW



RECOMMENDED PCB LAYOUT
TOL. ARE ± 0.05 SCALE 2:1
(TOP VIEW)

RECOMMENDED PCB LAYOUT
COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ± 0.08mm UNLESS OTHERWISE SPECIFIED

TOLERANCE		APPROVALS		DATE		TITLE				
X.		DRAWN Devin Yen	12/19/2012	RJmag 1000 Base-T		Amphenol [®] Amphenol Corporation Amphenol Taiwan Corporation				
X.X	±0.35			RJ Over Dual USB 3.0						
X.XX	±0.25			With Led Option						
X.XXX	±0.15	CHECKED Vivian Wen	12/19/2012	UNIT mm SIZE A3 PART No. RJMG24110XX70XR						
ANGULAR	±1°	APPROVED Roger Tsai	12/19/2012	SCALE NA SHEET 1 OF 4	DWG No. RJMG24110XX70XR REV. B					
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG	PROJECT CODE RJMG							

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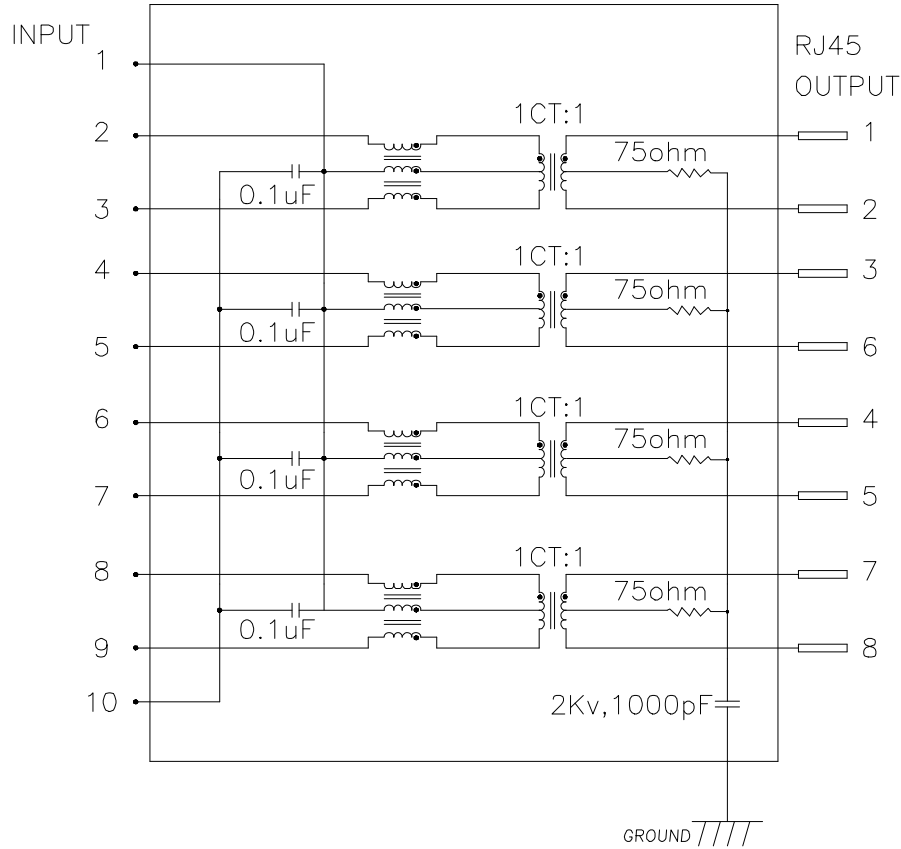
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SCHEMATIC



NOTES:

1. MATERIAL:

- 1.1 RJ 45 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC UL94V-0
- 1.2 SPACER: THERMAL PLASTIC UL94V-0
- 1.3 USB 3.0 HOUSING:THERMAL PLASTIC UL94V-0
- 1.4 RJ45 CONTACT:PHSPHOR BRONZE
- 1.5 USB 3.0 CONTACT: BRASS
- 1.6 P_CONTACT:BRASS
- 1.7 GROUND CONTACT:BRASS
- 1.8 USB3.0 SHELL:STEEL
- 1.9 SHELL:STAINLESS STEEL
- 1.10 LED:EPOXY RESIN&STELL



2. FINISH:

- 2.1 RJ45 CONTACT:SELECTIVE GOLD PLATING ON CONTACT AREA, MATTE-TIN 2.54um[100μ"]MIN.PLATING ON SOLDER AREA, NI 1.27um[50μ"] MIN.UNDER PLATING OVER ALL.
- 2.2 USB3.0 CONTACT:SELECTIVE GOLD PLATING ON CONTACT AREA, MATTE-TIN 2.54um[100μ"] MIN.PLATING ON SOLDER AREA, NI 1.27um[50u"] MIN.UNDER PLATING OVER ALL.
- 2.3 P-CONTACT:NI 1.27um[50μ"] MIN.UNDERPLATED OVER ALL, 2.032um[80μ"]MIN.MATTE-TIN PLATED ON SOLDER AREA.
- 2.4 GROUND CONTACT:NI 1.27um[50μ"] MIN.UNDERPLATED OVER ALL, 2.032um[80μ"]MIN. MATTE-TIN PLATED ON SOLDER AREA.
- 2.5 USB3.0 SHELL:NI 2.032um[80μ"]MIN. OVER ALL.
- 2.6 LED:MATTE-TIN 2.54um[100μ"] MIN. OVER ALL.
- 3.RECOMMENDED P.C.B THICKNESS : 1.8mm

TRANSFORMER ELECTRICAL SPECIFICATIONS AT 25°

TURNS RATIO	DATA RATE (MHz)	LEDs (L/R)	INSERTION LOSS (dB Min.)	RETURN LOSS 1000±15Ω (dB Max.)			
				1-30 MHz	30-60 MHz	60-80 MHz	80-100 MHz
1CT:1CT	10/100/1000	G-O/Y	-1.2	-18	-16	-12	-10

CROSS TALK (dB MAX.)			DM-CM (dB MAX.)	CM-CM (dB MAX.)	Hi-Pot (Vrms)
1-30 MHz	30-60 MHz	60-100 MHz	1-100 MHz	1-100 MHz	60Hz/1MIN.
-40	-35	-30	-35	-30	1500

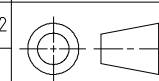
USB 3.0 Pin ASSIGNMENTS

Pin NUMBER	SIGNAL NAME	Pin NUMBER	SIGNAL NAME
11&31	VBUS	21&41	SSRX-
12&32	D-	22&42	SSRX+
13&33	D+	23&43	GND
14&34	GND	24&44	SSTX-
SHELL	SHIELD	25&45	SSTX+

TOLERANCE	APPROVALS	DATE	TITLE	
X. ±0.35 X.X ±0.25 X.XX ±0.15	DRAWN Devin Yen	12/19/2012	RJmag 1000 Base-T RJ Over Dual USB 3.0 With Led Option	
	CHECKED Vivian Wen	12/19/2012		
	APPROVED Roger Tsai	12/19/2012		
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG	UNIT mm	SIZE A3
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 2 OF 4

Amphenol®

Amphenol Corporation
Amphenol Taiwan Corporation



PART No. RJMG24110XX70XR

DWG No. RJMG24110XX70XR

REV. B

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ORIGINAL

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RJMG24110XX70XR

LED1 RIGHT SIDE

0- No LED (Blocked Hole)

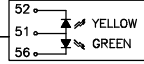
1- Green



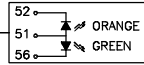
2- Yellow



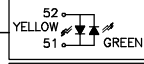
4- Bi-color Green/Yellow, 3 Leads



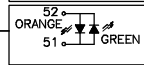
6- Bi-color Green/Orange, 3 Leads



7- Bi-color Green/Yellow, 2 Leads



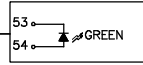
8- Bi-color Green/Orange, 2 Leads



LED2 LEFT SIDE

0- No LED (Blocked Hole)

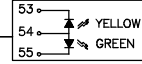
1- Green



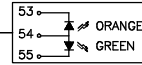
2- Yellow



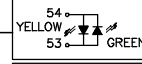
4- Bi-color Green/Yellow, 3 Leads



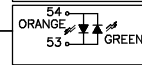
6- Bi-color Green/Orange, 3 Leads



7- Bi-color Green/Yellow, 2 Leads



8- Bi-color Green/Orange, 2 Leads



OPTIONS:

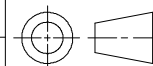
- C- Gold Flash, Stainless steel shield, Tray
- D- Gold Plating, 15μ", Stainless steel shield, Tray
- E- Gold Plating, 30μ", Stainless steel shield, Tray
- F- Gold Plating, 50μ", Stainless steel shield, Tray

NOTE:

1. INDUCTANCE 350uH MIN 100KHz 100mV 8mA DC
2. LED CONFIGURATION

STANDARD LED	WAVELENGTH(λ)	V/ IF=20mA	
		MAX.	Typ.
YELLOW	585nm	2.5 V	2.1 V
ORANGE	605nm	2.5 V	2.1 V
GREEN	570nm	2.5 V	2.1 V

TOLERANCE	APPROVALS	DATE	TITLE			PART No.		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Devin Yen	12/19/2012	RJMag 1000 Base-T RJ Over Dual USB 3.0 With Led Option			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
	CHECKED Vivian Wen	12/19/2012						
ANGULAR ±1°	APPROVED Roger Tsai	12/19/2012	UNIT mm	SIZE A3	RJMG24110XX70XR			
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG	SCALE NA	SHEET 3 OF 4	DWG No. RJMG24110XX70XR	REV. B		



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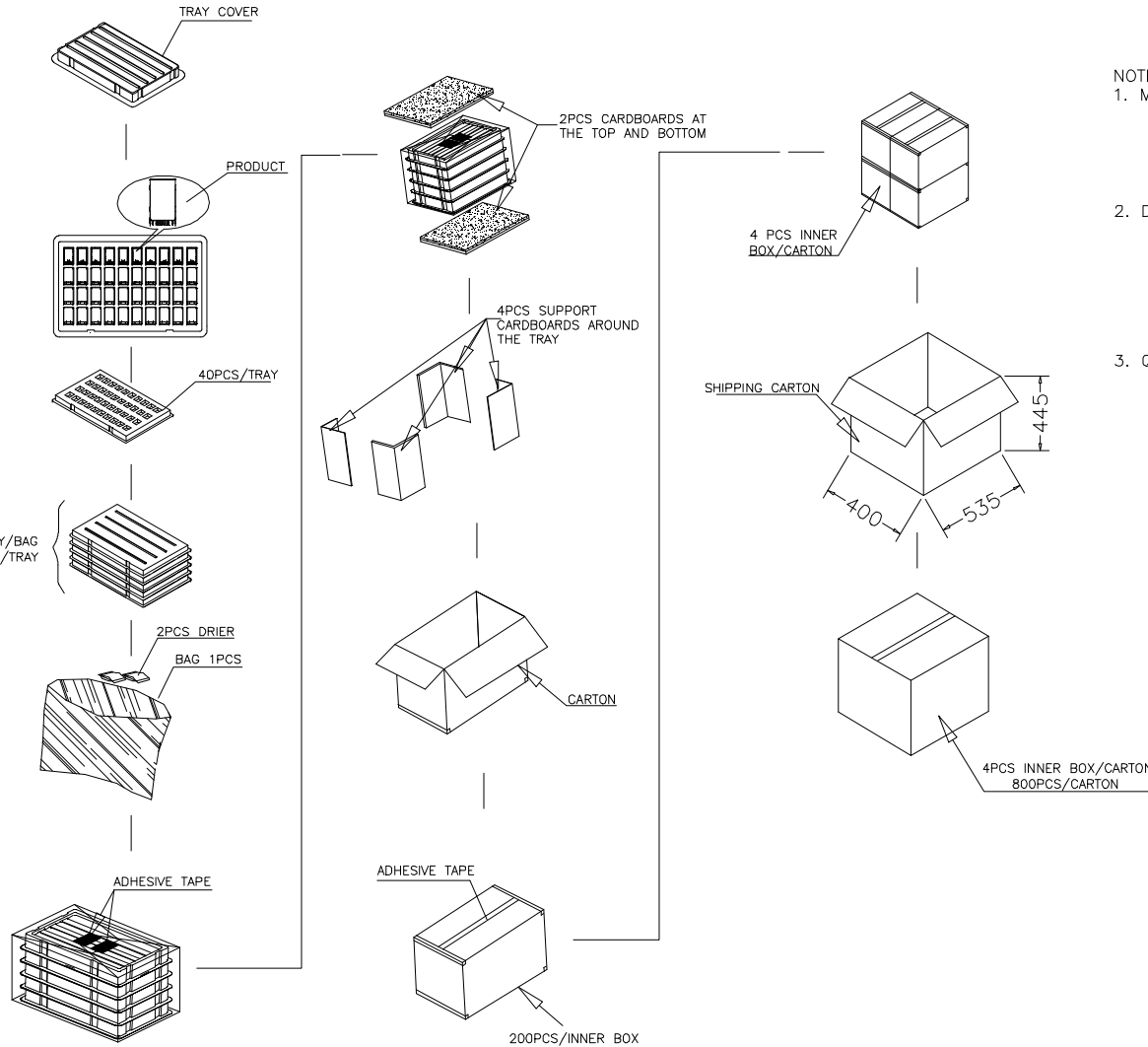
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NOTES: (FOR Tray)

1. MATERIAL:

TRAY: PS
 TRAY COVER: PET
 BAG: PE
 CARDBOARD/SUPPORT CARDBOARD: CORRUGATED FIBER.
 SHIPPING CARTON/INNER BOX: CORRUGATED FIBER.

2. DIMENSION:

TRAY: L=350mm, W=232mm, H=35.7mm
 TRAY COVER: L=350mm, W=232mm, H=16.5mm
 PE: L=431mm, W=241mm, H=457mm
 INNER BOX: L=375mm, W=250mm, H=205mm
 CARDBOARD: L=350mm, W=232mm, T=5mm
 SUPPORT CRADBOARD: L=80mm, W=80mm, H=190mm
 SHIPPING CARTON: L=535mm, W=400, H=445mm

3. QUANTITY: 800PCS/CARTON

TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®						
X. ±0.35	DRAWN Devin Yen	12/19/2012	RJmag 1000 Base-T RJ Over Dual USB 3.0 With Led Option		Amphenol Corporation Amphenol Taiwan Corporation						
X.X ±0.25											
X.XX ±0.25	CHECKED Vivian Wen	12/19/2012	APPROVED Roger Tsai		UNIT	mm	SIZE	A3	PART No.	RJMG24110XX70XR	
X.XXX ±0.15	APPROVED Roger Tsai	12/19/2012			SCALE	NA	SHEET	4 OF 4	DWG No.	RJMG24110XX70XR	REV.
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG									
UNLESS OTHERWISE SPECIFIED											