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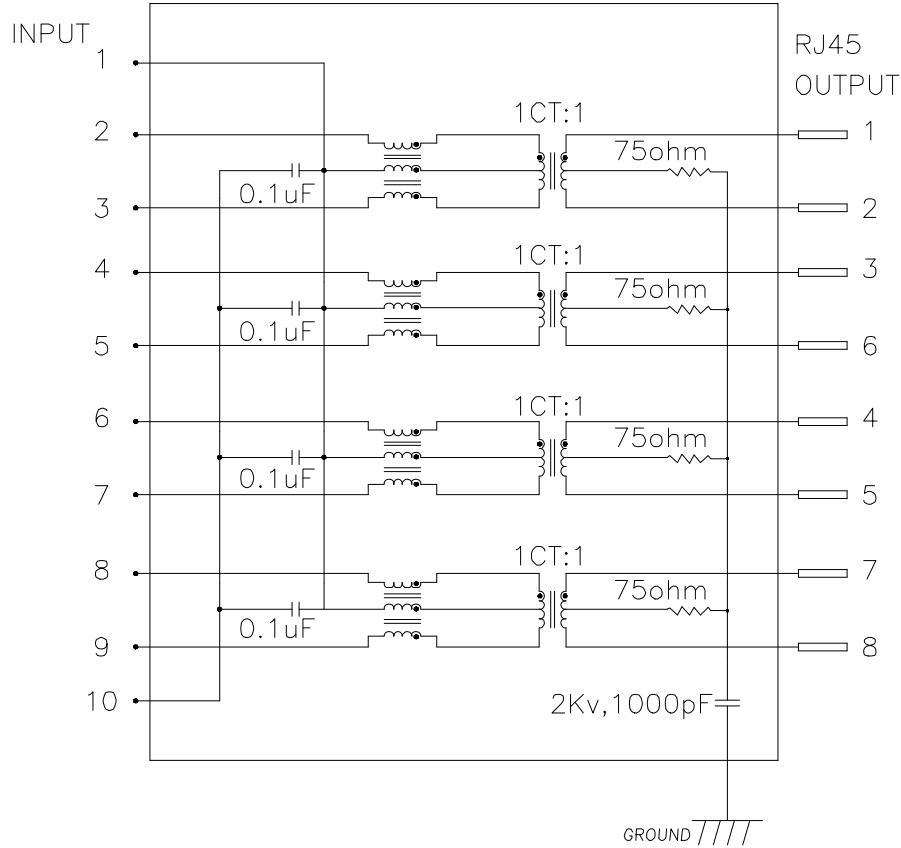
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.



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

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[50μ"] 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-0/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.XXX ±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	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation	
ANGULAR ±1°	APPROVED Roger Tsai	12/19/2012	UNIT mm SCALE NA	SIZE A3 SHEET 2 OF 4
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG	PART No. RJMG24110XX70XR	DWG No. RJMG24110XX70XR REV. B

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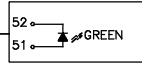


RJMG24110XX70XR

LED1 RIGHT SIDE

0- No LED (Blocked Hole)

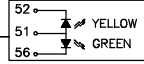
1- Green



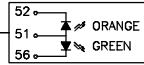
2- Yellow



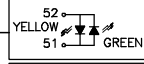
4- Bi-color Green/Yellow, 3 Leads



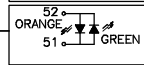
6- Bi-color Green/Orange, 3 Leads



7- Bi-color Green/Yellow, 2 Leads



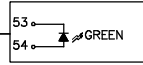
8- Bi-color Green/Orange, 2 Leads



LED2 LEFT SIDE

0- No LED (Blocked Hole)

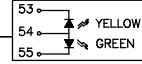
1- Green



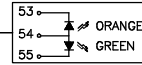
2- Yellow



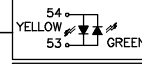
4- Bi-color Green/Yellow, 3 Leads



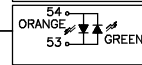
6- Bi-color Green/Orange, 3 Leads



7- Bi-color Green/Yellow, 2 Leads



8- Bi-color Green/Orange, 2 Leads



OPTIONS:

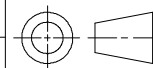
- C- Gold Flash, Stainless steel shield, Tray
- D- Gold Plating, 15μ", Stainless steel shield, Tray
- E- Gold Plating, 30μ", Stainless steel shield, Tray
- F- Gold Plating, 50μ", Stainless steel shield, Tray

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			Amphenol®						
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 Corporation Amphenol Taiwan Corporation					
	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	PART No.	RJMG24110XX70XR		
UNLESS OTHERWISE SPECIFIED					SCALE	NA	SHEET	3 OF 4	DWG No.	RJMG24110XX70XR	REV.	B



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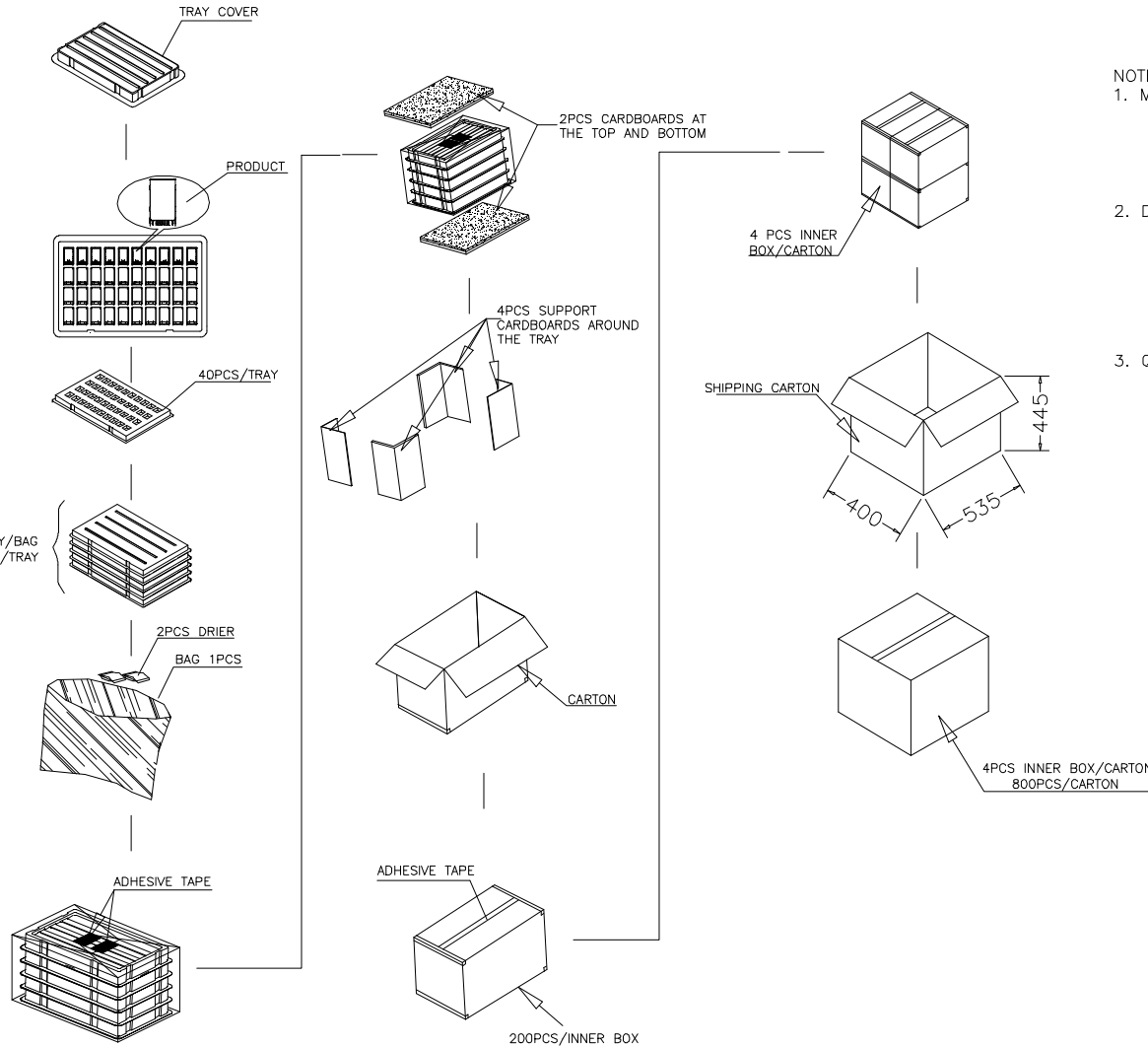
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NOTES: (FOR Tray)

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

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X.X ±0.25								
X.XX ±0.25	CHECKED Vivian Wen	12/19/2012	UNIT mm SIZE A3			SHEET 4 OF 4		
X.XXX ±0.15	APPROVED Roger Tsai	12/19/2012						
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG	SCALE NA			DWG No. RJMG24110XX70XR REV. B		
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