

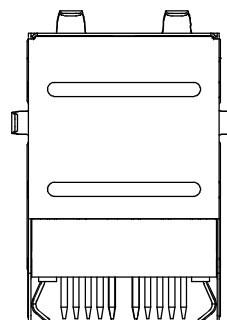
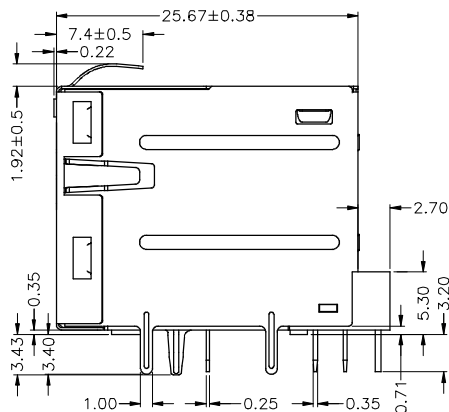
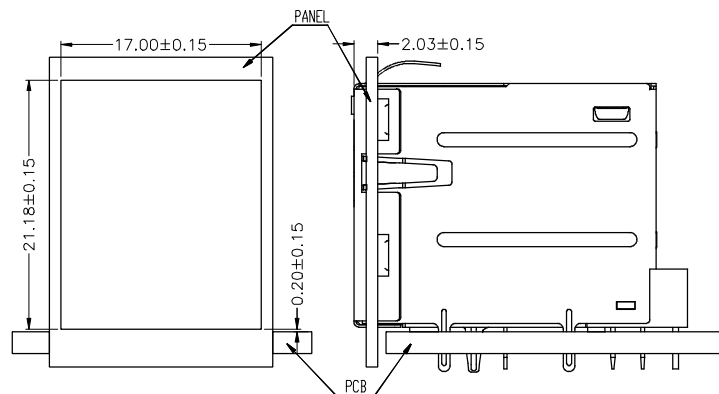
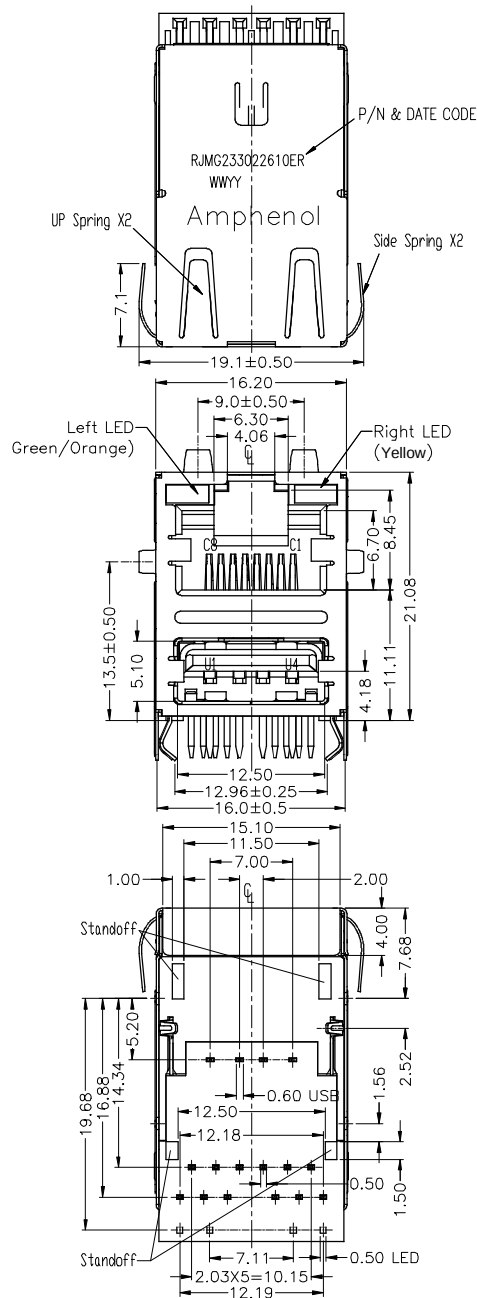
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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2002/95/EC for RoHS compliant.

CUSTOMER DRAWING

REVISIONS

SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		PRELIMINARY RELEASED	Jun.01.09	Greg L
B	ECN-10-037	MODIFY THE USB CONTACT PLANTING TO 30u"	11/11/2010	Roger Tsai
CX1		ADD THE PANEL OPEN SIZE	02/26/2016	Roger Tsai



NOTES:

1.Terminal Parts:

- 1.1.RJ Terminal :Phosphor Bronze,Thickness=0.30mm
Finish:30u" gold on contact area,100u" min. tin on solder tail area,underplating 50~100u" Nickel over all.
- 1.2.RJ input Terminal :Brass,Thickness=0.35mm
Finish:100u" min. tin over 50~100u" Nickel.
- 1.3.Module Terminal :Brass,Thickness=0.25mm
Finish:100u" min. tin over 50~100u" Nickel.
- 1.4.USB Terminal : Phosphor Bronze , Thickness=0.25mm
Finish:30u" gold on contact area,100u" min. tin on solder tail area,underplating 50~100u" Nickel over all.

2.Plastic Parts:

- 2.1.Housing : Hi-temp.Thermoplastic , Black Flame Class:UL94 V-0
- 2.2.Coil Case : Hi-temp.Thermoplastic , Black Flame Class:UL94 V-0
- 2.3.Spacer : Hi-temp.Thermoplastic , Black Flame Class:UL94 V-0

3.Shell Parts:

- 3.1.Shell: Stainless,Thickness=0.20mm,
Grounding Leg : Pre-soldering.
- 3.2.Grounding Leg of USB : Brass , Thickness=0.25mm
Finish : 100m u" min. Tin over 50~100m u min. Nickel

OTHERS:

- 1.Operating Temperature : 0°C TO +70°C
- 2.Storage Temperature : -40°C TO +85°C
- 3.WAVE SOLDERING TEMPRATURE :265 DEG.C 10 SEC MAX
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
PART 68 , SUBPART F



TOLERANCE		APPROVALS		DATE	TITLE				Amphenol® Amphenol Corporation Amphenol Taiwan Corporation						
X.		DRAWN	Jophy Li	02/26/2016	RJmag 1000 Base-T RJ Over USB				PART No. RJMG233022610ER						
X.X ±0.30		CHECKED	Jophy Li	02/26/2016											
X.XX ±0.20		APPROVED	Roger Tsai	02/26/2016											
X.XXX ±0.10															
ANGULAR ±1°															
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	PHD			UNIT	mm	SIZE	A3	DWG No. RJMG233022610ER		REV.	CX1
								SCALE	NA	SHEET	1 OF 2				

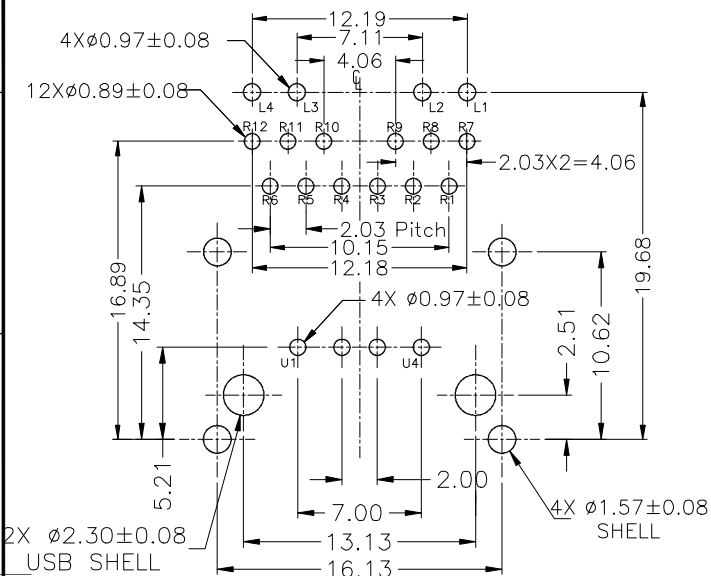
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RECOMMENDED PCB LAYOUT COMPONENT SIDE

PCB THICKNESS : 1.60mm
ALL DIMENSION TOLERANCE ARE ± 0.05
UNLESS OTHERWISE SPECIFIED

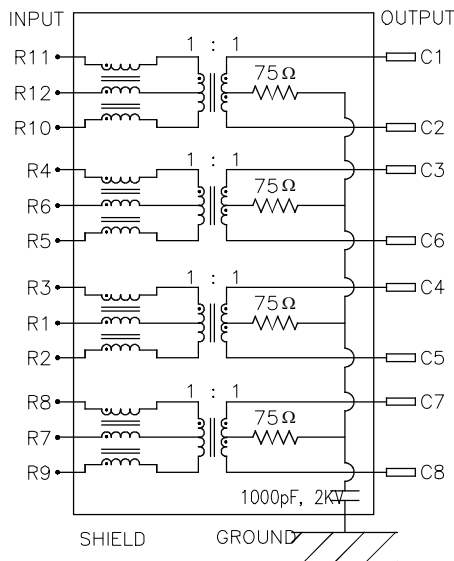
USB PIN ASSIHMENT

U1	→	USB-1
U2	→	USB-2
U3	→	USB-3
U4	→	USB-4

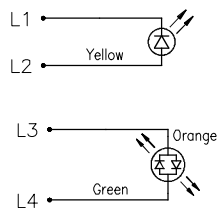
USB Connector Termination Assignment

Contact Number	Signal Name
U1	VBUS
U2	D-
U3	D+
U4	GND
Shell	Shield

ELECTRICAL SCHEMATIC DRAWING



LED DEFINE



CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-1.0dB MAX.	1-100 MHz
RETURN LOSS (RX/TX)	-18dB MIN. -16dB MIN. -12dB MIN. -10dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
CM-CM REJECTION	-30dB MIN.	1-100 MHz
CROSSTALK ISOLATION (RX/TX)	-30dB MIN.	1-100 MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60 Sec.
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR				UNITS
	GREEN	YELLOW	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30	30	30	30	mA
REVERSE CURRENT IR MAX	10	10	10	10	10	10	uA
REVERSE VOLTAGE VR MAX	-5	-5	-5	-5	-5	-5	V
T OPERATURE	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	°C
T SOLDERING	260+/-5	260+/-5	260+/-5	260+/-5	260+/-5	260+/-5	°C
POWER DISS. Pd	70	70	70	70	70	70	mW
PEAK WAVELENTH	565	585	565	585	565	605	nM
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.1	2.2	2.0	(@IF=20mA)
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	2.6	2.6	(@IF=20mA)

TOLERANCE	APPROVALS	DATE
X. ±0.30	DRAWN Jophy Li	02/26/2016
X.X ±0.20	CHECKED Jophy Li	02/26/2016
X.XXX ±0.10	APPROVED Roger Tsai	02/26/2016
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE PHD
UNLESS OTHERWISE SPECIFIED		

TITLE		Amphenol®	
RJmag 1000 Base-T RJ Over USB		Amphenol Corporation Amphenol Taiwan Corporation	
UNIT mm	SIZE A3	PART No.	RJMG233022610ER
SCALE NA	SHEET 2 OF 2	DWG No.	RJMG233022610ER
		REV.	CX1