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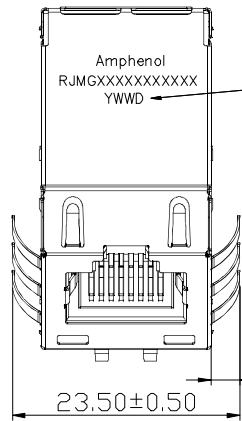
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

MFG CODE:

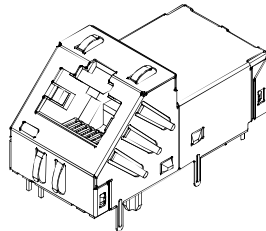


CUSTOMER DRAWING

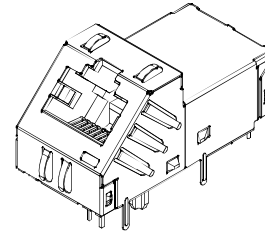
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX4	/	Increase the height of the shrapnel	01/04/2021	Roger Tsai
AX5	/	Update packaging information	03/02/2021	Roger Tsai



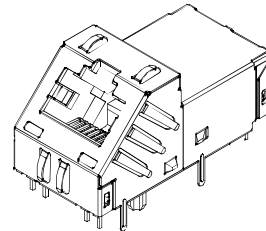
P/N & D/C
DATE CODE
Y=YEAR
WW=WEEK
D=DAY



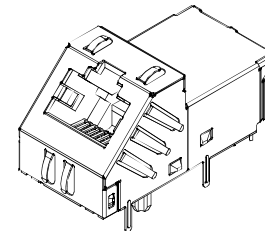
WITH LEFT LED



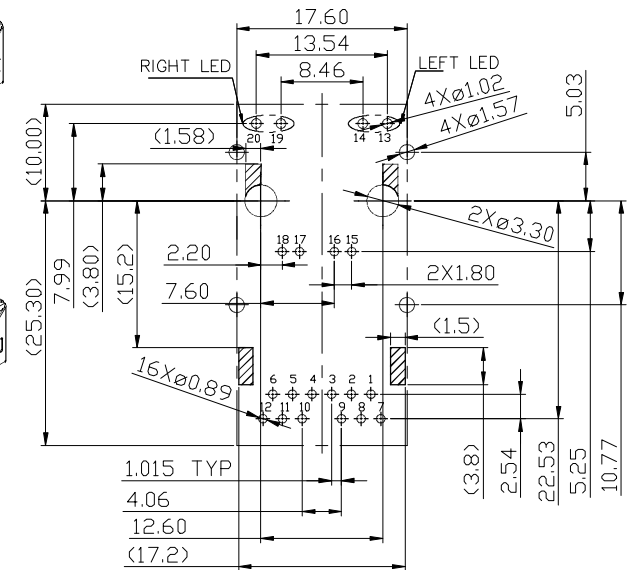
WITH RIGHT LED



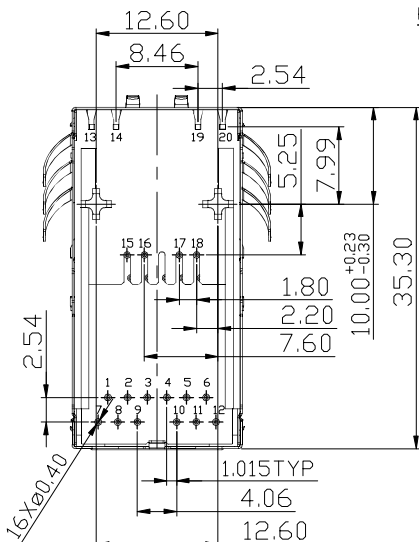
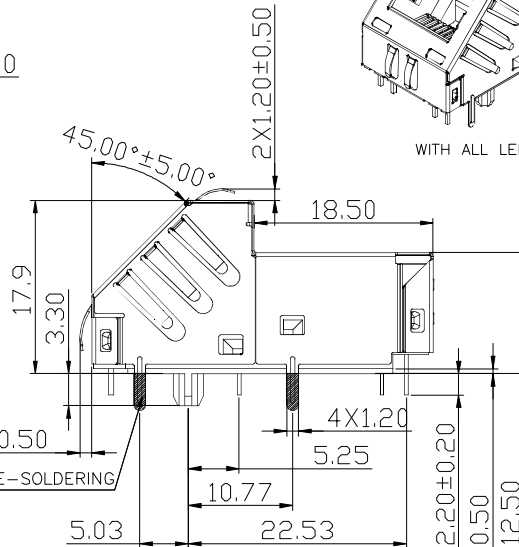
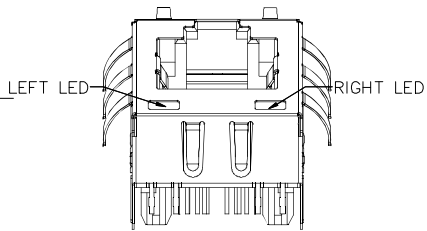
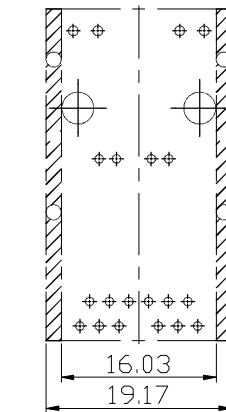
WITH ALL LED



WITHOUT LED



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ± 0.10 mm
UNLESS OTHERWISE SPECIFIED



**PRELIMINARY RELEASE
SUBJECT TO CHANGE**

TOLERANCE	APPROVALS	DATE	TITLE		
X. ± 0.35 X.X ± 0.25 X.XX ± 0.10 X.XXX ± 0.10	DRAWN Wesley Tang	03/02/2021	RJ45 1X1 45° 10G Base-T WITH SHELL WITH LED WITH POE TYPE		
ANGULAR $\pm 1^\circ$	CHECKED Lily Zhao	03/02/2021	UNIT mm	SIZE A3	PART No. RJMG3710NXX49XR
UNLESS OTHERWISE SPECIFIED	APPROVED Roger Tsai	03/02/2021	SCALE NA	SHEET 1 OF 4	DWG No. RJMG3710NXX49XR
	DWG TYPE CUST DWG	PROJECT CODE GT395			REV. AX5

Amphenol®

Amphenol Corporation
Amphenol Taiwan Corporation

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PRELIMINARY RELEASE
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CUSTOMER DRAWING

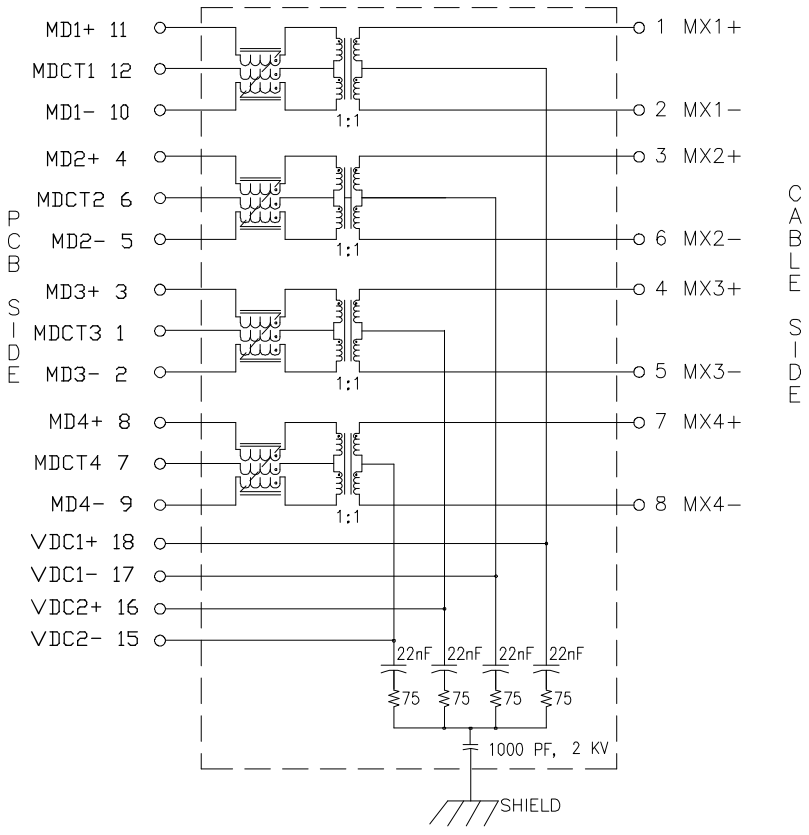
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX1	/	Increase the height of the shrapnel	01/04/2021	Roger Tsai
AX5	/	Update packaging information	03/02/2021	Roger Tsai



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MFG CODE: _____

SCHEMATIC DRAWING



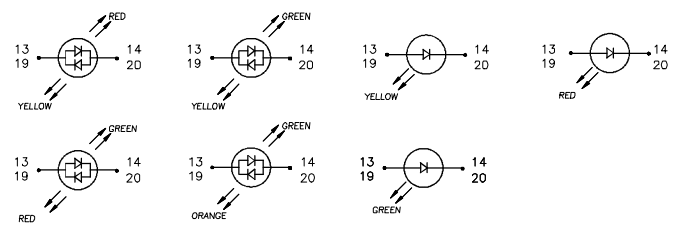
ELECTRICAL SPECIFICATION(@25° C)

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
TURN RATIO	1:1±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	-3.0dB MAX. -2.0 dB MAX(-1.4 dB TYP)	0.1-1 MHz 1-400 MHz
RETURN LOSS	-22dB MIN. -22+20.75 log10(F/100)dB MIN.	1-100 MHz 100-500 MHz
INDUCTANCE(OCL)	150uH MIN.@100KHz 100mV	
CROSSTALK ISOLATION	-28dB MIN. -19dB MIN.	1-100 MHz 100-500 MHz
COMMON MODE REJECTION RATIO	-30dB MIN. -28dB MIN. -26dB MIN.	1-40 MHz 40 MHz-100 MHz 100 MHz-500 MHz
COMMON TO DIFFERENTIAL MODE REJECTION(CDMR)	-30dB MIN. -22dB MIN.	1-250 MHz 250 MHz-500 MHz
HIPOT (ISOLATION)	2250 VDC MIN 1mA	60S
CURRENT CARRYING CAPABILITY,RJ45 PINS 1-8	960 mA MAX:FOR ANY TWO OF FOUR AVAILABLE PAIRS	

PART NO. RJMG3710N X X 49 X R

- RIGHT LED CODE _____
LEFT LED CODE _____
- 0: No LED's Blocked Hole
 - 1: Green
 - 2: Yellow
 - 3: Red
 - 4: Bi-color Green/ Yellow
 - 5: Bi-color Red/Green
 - 6: Bi-color Green/Orange
 - 7: Bi-color Red/Yellow
 - N: Amber
 - p: Bi-color Green/ Amber

- Plating and Packaging:
- 8: gold 6u", Tape&Reel
 - 4: gold flash, Tape&Reel
 - 5: gold 15u", Tape&Reel
 - 6: gold 30u", Tape&Reel
 - 7: gold 50u", Tape&Reel



TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®			
X. ±0.35 X.X ±0.25 X.XX ±0.10	DRAWN Wesley Tang	03/02/2021	RJ45 1X1 45° 10G Base-T		Amphenol Corporation Amphenol Taiwan Corporation			
ANGULAR ±1°	CHECKED Lily Zhao	03/02/2021	WITH SHELL WITH LED WITH POE TYPE					
UNLESS OTHERWISE SPECIFIED	APPROVED Roger Tsai	03/02/2021	UNIT mm	SIZE A3	PART No.	RJMG3710NXX49XR		
	DWG TYPE CUST DWG	PROJECT CODE GT395	SCALE NA	SHEET 2 OF 4	DWG No.	RJMG3710NXX49XR		
					REV.	AX5		

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CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX4	/	Increase the height of the shrapnel	01/04/2021	Roger Tsai
AX5	/	Update packaging information	03/02/2021	Roger Tsai



MFG CODE:

MATERIALS:

- 1.1 HOUSING:LCP,UL94V-0,COLOR BLACK;
- 1.2 SHELL:SUS 304,PRE-SOLDERING.
- 1.3 RJ45 TERMINAL:PHOSPHOR BRONZE T=0.30mm,PLATING 50u" NICKEL MIN.
UNDER PLATED ALL OVER 100u" TIN MIN.
SELECT GOLD(SEE THE P/N)PLATED ON CONTACT AREA.
- 1.4 INPUT TERMINAL:PHOSPHOR BRONZE ϕ 0.4mm.
UNDER PLATED ALL OVER 100u" TIN MIN.

MECHANICAL FEATURES:

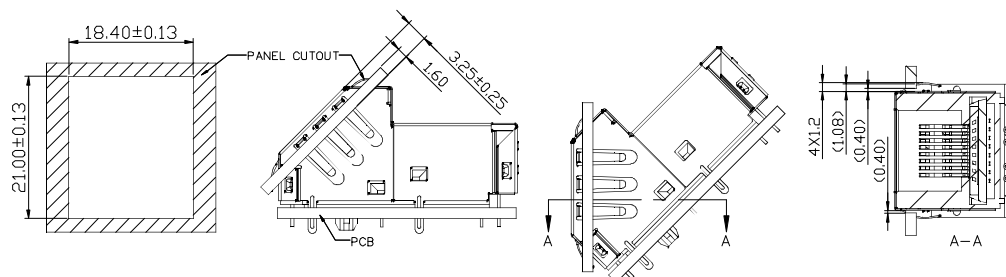
- SOLDERABILITY: MIL-STD-202,METHOD 208.
- MATING/UNMATING FORCE:
RJ PORT MATING: 22N MAX UNMATING:44N MAX
MEET FCC PART 68.500 REQUIREMENTS.

Environmental

- This part is designed to support PoE Plus Applications, for PoE through either used or unused pairs.
- OPERATING TEMPERATURE: -40°C TO +95°C.
- STORAGE TEMPERATURE: -20°C TO +125°C.
- REFLOW SOLDERING TEMPERATURE: 250°C FOR 10 SECONDS MAX.
- 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

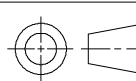
LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR				UNITS
	GREEN	YELLOW	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30		30		mA
REVERSE CURRENT IR MAX	10	10	10		10		uA
REVERSE VOLTAGE VR MAX	-5	-5	-5		-5		V
T OPERATURE	-40~+95	-40~+95	-40~+95		-40~+95		°C
T SOLDERING	260+/-5	260+/-5	260+/-5		260+/-5		°C
POWER DISS. Pd	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	$\frac{V}{(@IF=20mA)}$
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	2.6	2.6	$\frac{V}{(@IF=20mA)}$



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X. ±0.35 X.X ±0.25 X.XX ±0.25 X.XXX ±0.10	DRAWN Wesley Tang	03/02/2021	RJ45 1X1 45° 10G Base-T WITH SHELL WITH LED WITH POE TYPE		Amphenol Corporation Amphenol Taiwan Corporation			
ANGULAR ±1°	CHECKED Lily Zhao	03/02/2021	UNLESS OTHERWISE SPECIFIED	CUST DWG	PROJECT CODE GT395	UNIT mm	SIZE A3	PART No. RJMG3710NXX49XR
	APPROVED Roger Tsai	03/02/2021				SCALE NA	SHEET 3 OF 4	DWG No. RJMG3710NXX49XR



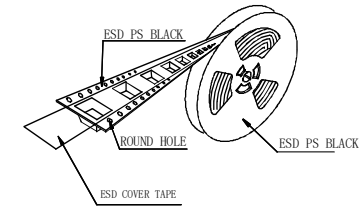
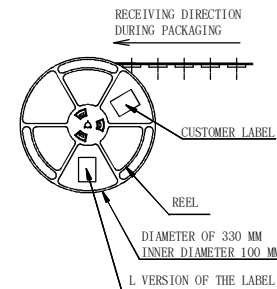
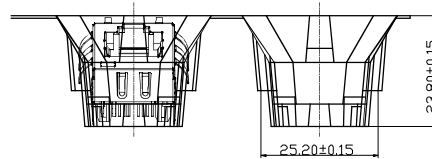
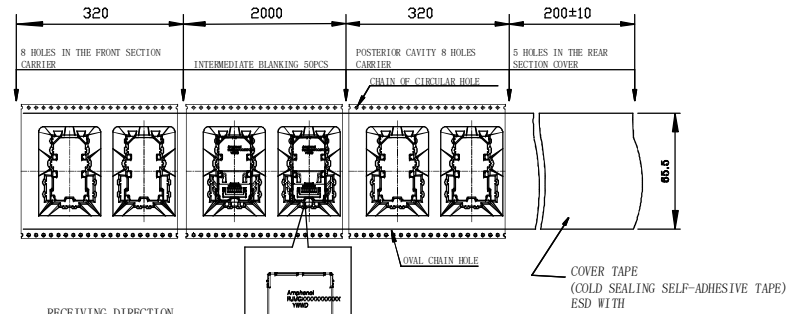
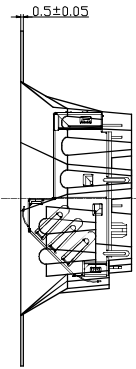
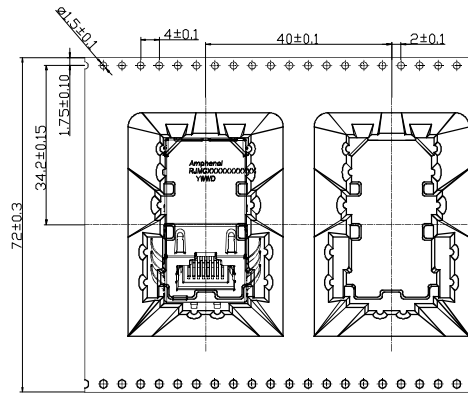
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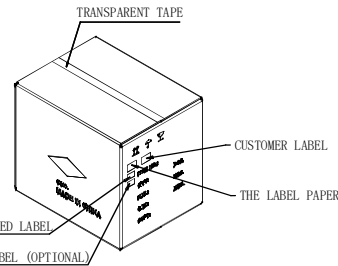
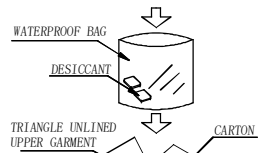
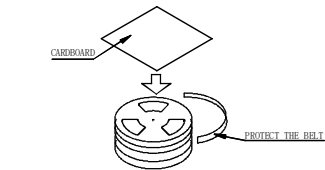
CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX4	/	Increase the height of the shrapnel	01/04/2021	Roger Tsai
AX5	/	Update packaging information	03/02/2021	Roger Tsai



PACKAGING SPECIFICATION:

- PAD A PIECE OF CARDBOARD AT THE BOTTOM OF THE OUTER BOX
- PLACE ONE CORNER SHIRT IN EACH OF THE FOUR INNER CORNERS OF THE OUTER CARTON
- PLACE THE ROLLED PRODUCT IN A WATERPROOF BAG AND PUT TWO BAGS OF DESICCANT INTO IT
- PUT THE PACKAGED PRODUCTS INTO THE OUTER CARTON
- PLACE A PIECE OF CARDBOARD ON TOP
- A ROLL OF 50PCS AND A BOX OF 200PCS



AT THE BOTTOM OF THE FIRST PAD, A PIECE OF CARDBOARD

325mm, 360mm, 450mm

PARTS PER REEL	TOTAL REEL PER CARTON	PARTS PCS PER CARTON
50PCS	4 Reel	200PCS

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TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®		
X. ±0.35	DRAWN Wesley Tang	03/02/2021	RJ45 1X1 45° 10G Base-T WITH SHELL WITH LED WITH POE TYPE		Amphenol Corporation Amphenol Taiwan Corporation		
X.X ±0.25							
X.XX ±0.10	APPROVED Roger Tsai	03/02/2021	UNIT mm	SIZE A3	PART No.	RJMG3710NXX49XR	
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT395	SCALE NA	SHEET 4 OF 4	DWG No.	RJMG3710NXX49XR	REV. AX5
UNLESS OTHERWISE SPECIFIED							