

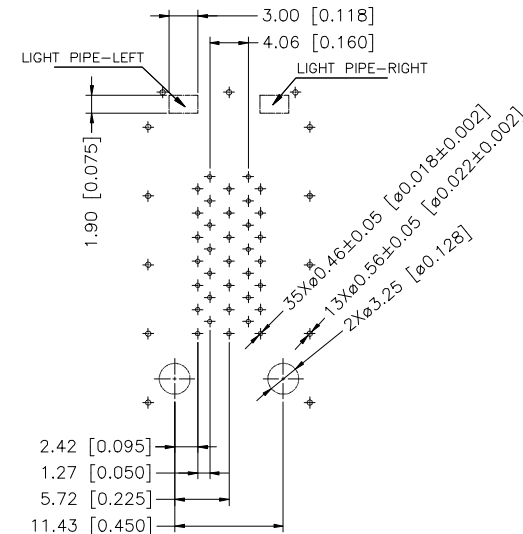
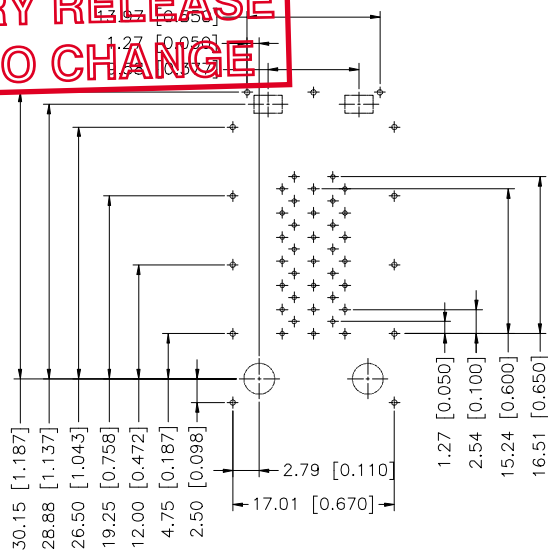
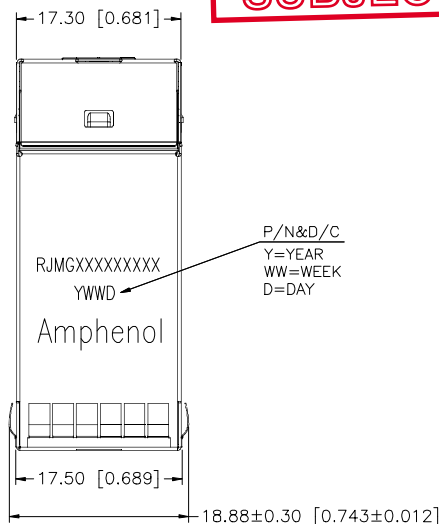
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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 For compliance with the European Union per directive 2011/65/EU for RoHS compliant.

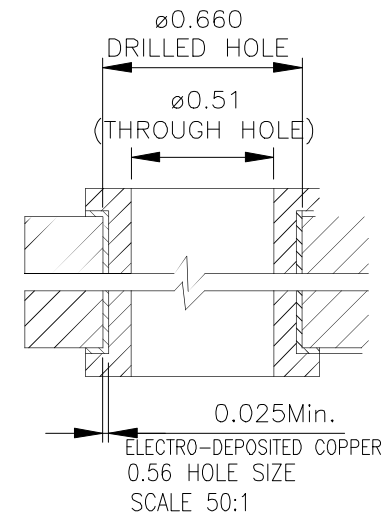
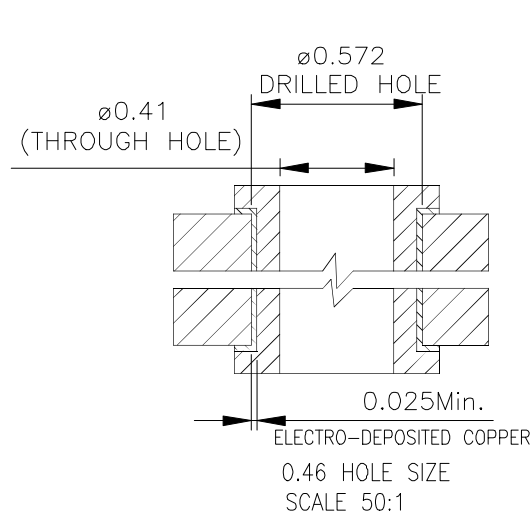
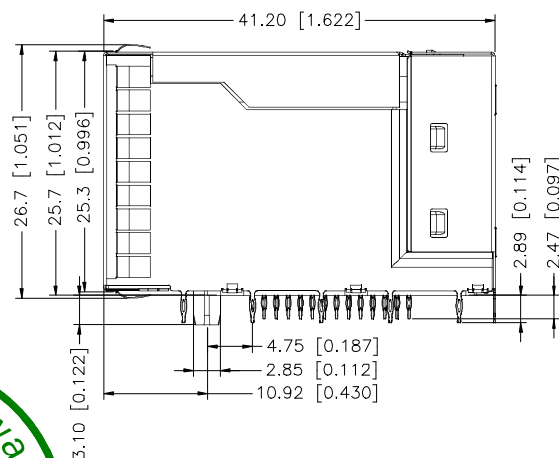
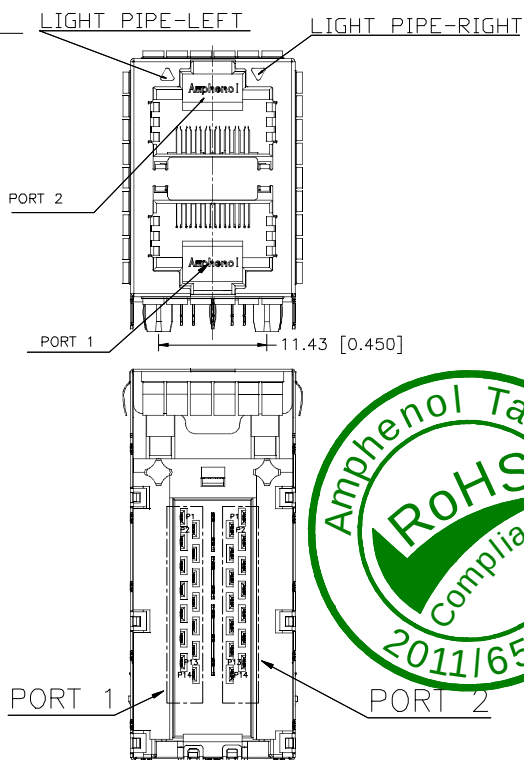
CUSTOMER DRAWING

**PRELIMINARY RELEASE
SUBJECT TO CHANGE**

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX8		update drawing:Update the Operating Temperature to -5~85°C	05/23/2019	Lawrence Chan
AX9		Update product appearance and parts material	08/19/2019	Lawrence Chan



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



TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Arvin Ye	08/19/2019	RJ45 2X1 10G Base-T TYPE WITH FILTER & WITH LED		Amphenol Corporation Amphenol Taiwan Corporation			
ANGULAR ±1°	CHECKED Benly Han	08/19/2019						
UNLESS OTHERWISE SPECIFIED	APPROVED Lawrence Chan	08/19/2019						
	DWG TYPE CUST DWG	PROJECT CODE RJMG	UNIT mm	SIZE A3	PART No. RJMG3211LXXD3XR	DWG No. RJMG3211LXXD3XR	REV. AX9	

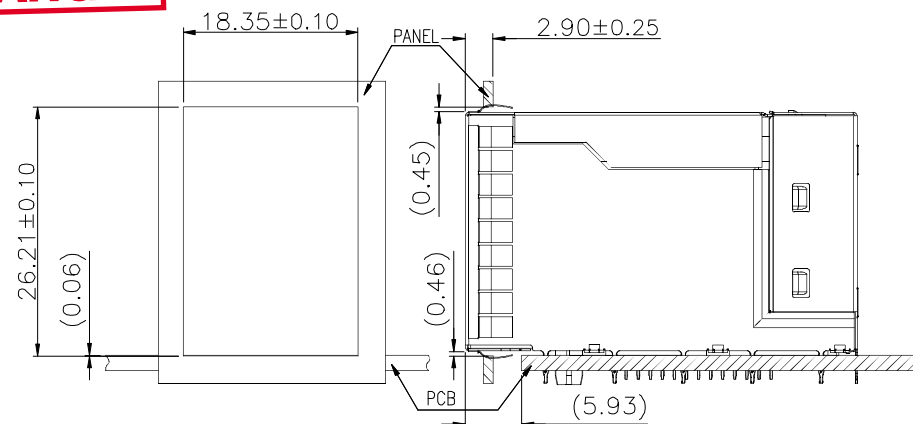
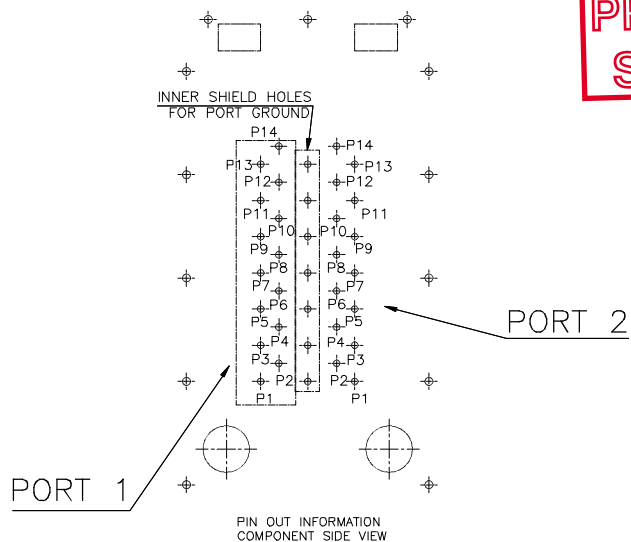
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PART NO. RJMG3211L X X D3 X R

RIGHT LIGHT PIPE CODE

LEFT LIGHT PIPE CODE

0: NO LED'S BLOCKED HOLE
1: WITH LIGHT PIPE

PLATING AND PACKAGING OPTION:

B: GOLD 6U", TRAY
C: GOLD FLASH, TRAY
D: GOLD 15U", TRAY
E: GOLD 30U", TRAY
F: GOLD 50U", TRAY



TOLERANCE		APPROVALS		DATE	TITLE RJ45 2X1 10G Base-T TYPE WITH FILTER & WITH LED				Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X X.XX X.XXX	±0.35 ±0.25 ±0.15	DRAWN	Arvin Ye	08/19/2019								
		CHECKED	Benly Han	08/19/2019								
		APPROVED	Lawrence Chan	08/19/2019								
ANGULAR ±1°						UNIT mm	SIZE A3	PART No. RJMG3211LXXD3XR				
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE RJMG			SCALE NA	SHEET 2 OF 3	DWG No. RJMG3211LXXD3XR		REV. AX9	

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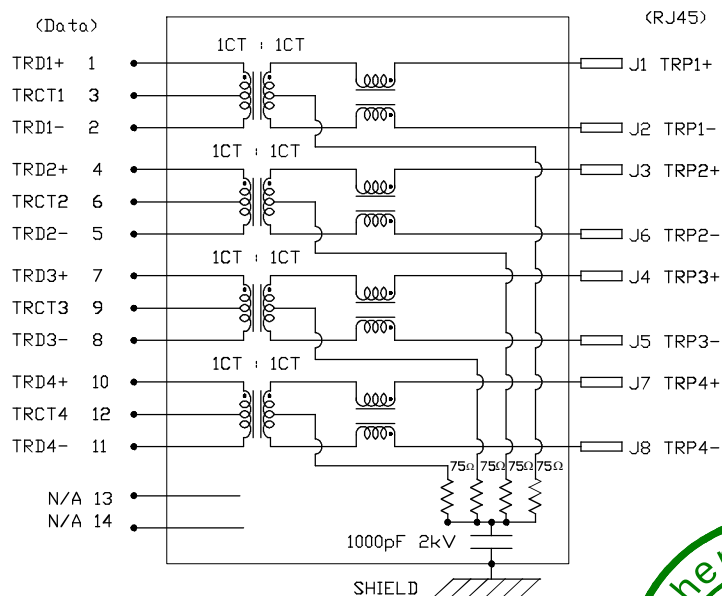
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SCHEMATIC FOR RJ45



ELECTRICAL SPECIFICATION(@25°C)

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS	-3.0dB MAX.	1-400MHz
RETURN LOSS	-22dB MIN.	1-100 MHz
	-22+20.75LOG(F/100)dB MIN.	100-500 MHz
CROSSTALK	-25dB MIN.	1-500MHz
HIPOT (Withstanding)	2250VDC.	60S
OCL	180uH MIN	100KHz 100mV



MATERIALS:

1.Terminal Parts:

1.1.RJ Terminal :Phosphor Bronze,Thickness=0.35mm
Finish:Select gold(see the P/N) on contact area,
100u" min. tin over 50~100u" Nickel.

1.2.RJ input Terminal :Phosphor Bronze,Thickness=0.20mm
Finish:100u" min. tin over 50~100u" Nickel.
100u" min. matte tin plating on solder tails

1.3.Module Terminal :Brass,Thickness=0.30mm
Finish:100u" min. tin over 50~100u" Nickel.

2.Plastic Parts:

2.1.Housing : High temp. Thermoplastic , Black
Flame Class:UL94 V-0

2.2.Coil Case : High temp. Thermoplastic , Black
Flame Class:UL94 V-0

3.Shell Parts:

3.1.Shell: SUS304,Thickness=0.20mm,

OTHERS:

1.Operating Temperature : -5°C TO +85°C

2.Storage Temperature : -40°C TO +85°C

4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

PART 68 , SUBPART F

5.MATING/UNMATING FORCE: MATING/UNMATING 2.1Kg MAX

6.RETENTION FORCE FOR RJ PORT: 5Kg FOR 1 MINUTE

TOLERANCE		APPROVALS		DATE	TITLE				Amphenol® Amphenol Corporation Amphenol Taiwan Corporation					
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		CUST DWG		RJMG										