- **10/100/1000 Gigabit for Ethernet and Networking Applications**
- **Transmit open circuit inductance (OCL):**
  (OCL): 350uH (MIN) @100KHz,0.1VRMS with 8mA DC Bias
- **RJ45 jack cavity conforms to FCC rules and regulations**
  Part 68, SUB Part F
- **Standard operating temp: 0⁰C to +70⁰C**
- **Storage temperature range: -40⁰C to +85⁰C**

Electrical Specifications @ 25°C					
Part Number	OCL(uH Min) @ 100KHz, 0.1V	Turns Ratio chip: cable (±5%)	DC Resistance	Insertion Loss (dB Min)	
	With 8mA DC Bias			1-100MHz	100-125MHz
ARLP11-4321	350	1CT:1CT	-1.2 Ω Max	-1.0	-1.2

Electrical Specifications @ 25°C						
Part Number	Return Loss (dB Min)				Cross Talk (dB Min)	Common To Common Mode (dB Min)	Isolation PHY Side to Line Side
	1-40MHz	40-60MHz	60-80MHz	80-100MHz	1-100MHz	1-100MHz	
ARLP11-4321	-16	-12	-10	-8	-30	-30	2250 VDC

All specifications subject to change without notice.

MECHANICAL
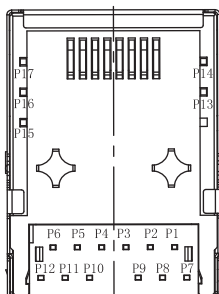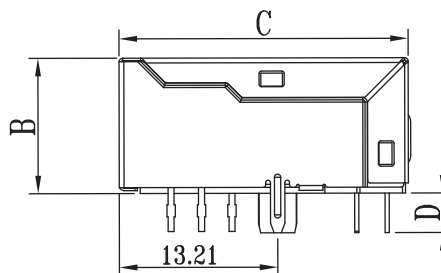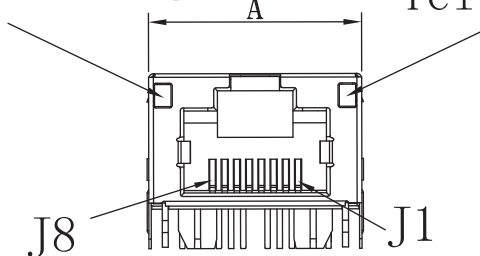

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UNIT : mm / inch
A = 17.78 / 0.700
B = 11.30 / 0.445
C = 24.13 / 0.950
D = 3.30  / 0.130
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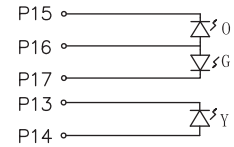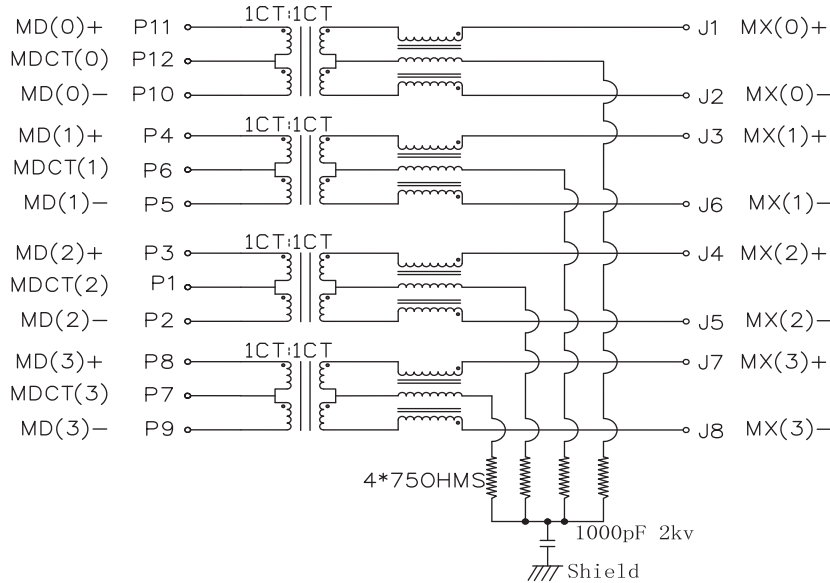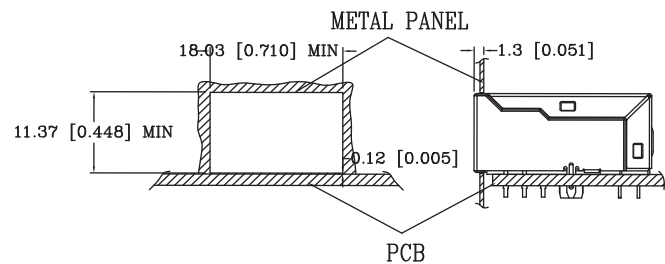
SCHEMATICS

Pin	Yellow		Orange	Green
P13	−	P15	−	
		P16	+	+
P14	+	P17		−

PCB LAYOUT

Connector Boundary

Ø0.90±0.08[0.035±0.003]*12
Ø1.60±0.13[0.063±0.005]*2
Ø3.25±0.08 [0.128±0.003]*2
Ø1.20±0.08 [0.047±0.003]*5

METAL PANEL

18.03 [0.710] MIN — 1.3 [0.051]
11.37 [0.448] MIN
0.12 [0.005]
PCB
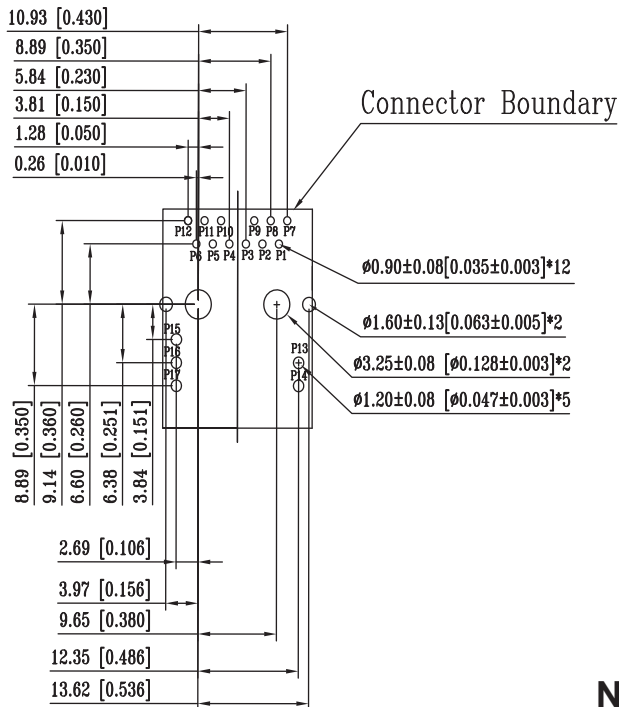
NOTES

1. CONNECTOR MATERIAL:
   HOUSING: THERMOPLASTIC BLACK UL94 V-0
   SHIELD: BRASS
   SHIELD PLATING: NICKEL
   CONTACT: PHOSPHOR BRONZE
   CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHES MIN IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED, SEE ELECTRICAL DRAWING
   FOR OMITTED PINS.
3. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING
   TEMPERATURE IS 260ºC MAX, 10 SECS MAX.