RoHS

2X4 RJ45 Connector AR24-3634

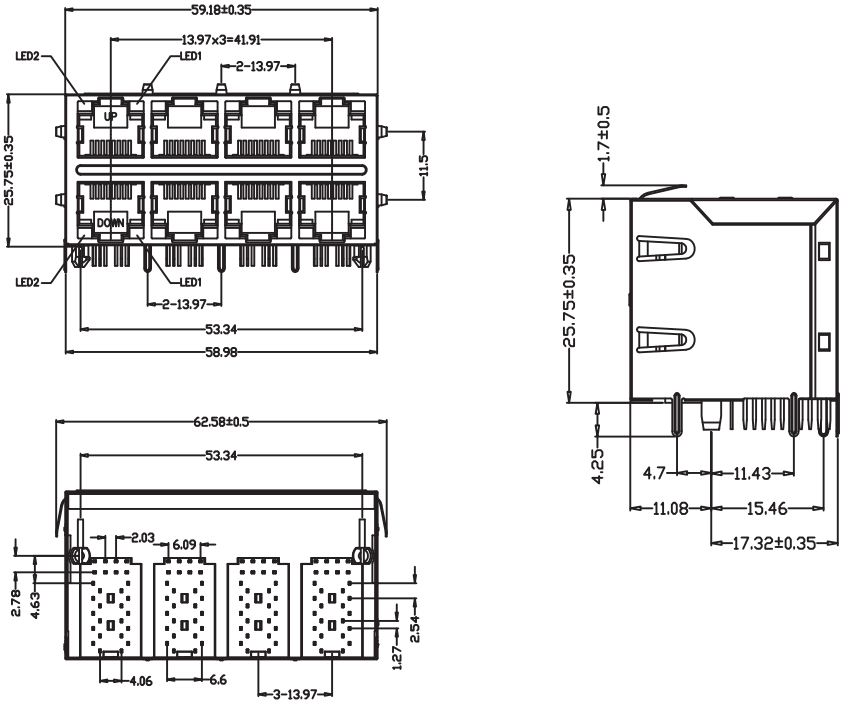
- 10/100 Base-T Ethernet Application
- Impedance: 100OHMS
- Transmit open circuit inductance (OCL): 350uH (MIN) @100KHz,0.1VRMS with 8mA DC Bias
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Standard operating temp: 0ºC to +70ºC
- Contact Factory for Industrial Temp.
- Storage temperature range: -40ºC to +85ºC

Electrical Specifications @ 25°C						
Part Number	OCL(uH Min) @ 100kHz, 0.1V	Turns Ratio chip: cable (±3%)	Insertion Loss (dB Max)	Return Loss (dB Min)		
	With 8mA DC Bias		0.3-100MHz	30MHz	50MHz	80MHz
AR24-3634	350	1CT:1CT	-1.0	-18	-15	-12

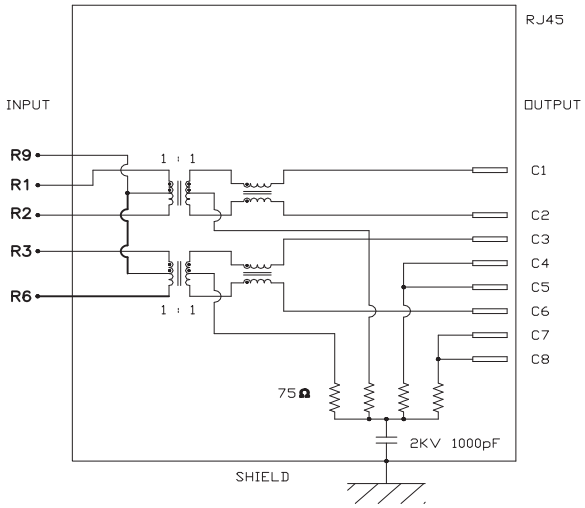
Electrical Specifications @ 25°C							
Part Number	Cross Talk (dB Min)			CMR (dB Min)			HI-POT (VDC) 0.5mA/2Sec.
	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz	
AR24-3634	-38	-38	-38	-40	-40	-40	1500

All specifications subject to change without notice.

MECHANICAL



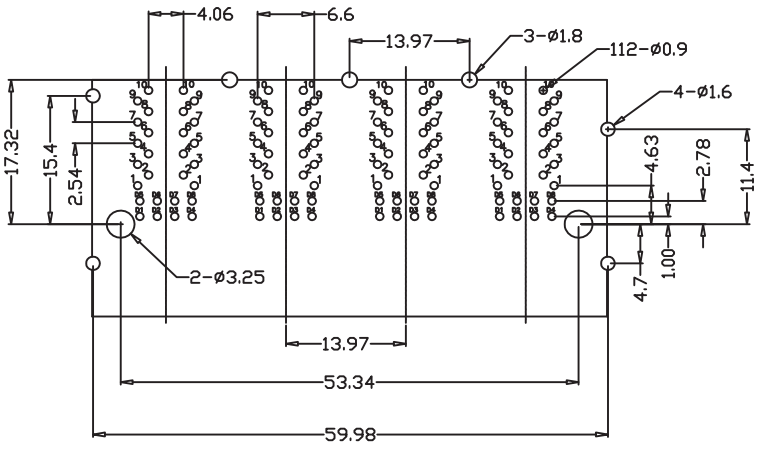
SCHEMATICS



LED CONFIGURATION



PCB LAYOUT



RECOMMENDED PCB LAYOUT COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ±0.05 UNLESS OTHERWISE SPECIFIED

NOTES

1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30u"-50u"
2. Housing- Standard Material Nylon 66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: PBT+30% GF UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all Sn 100%, and
   6u" Gold Plating.
4. Contact Pin- Plastic: Nylon 66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all Sn 100%.