



Single Port Vertical Mount RJ45

ARV11-4500I

- 10/100 Base-T for Ethernet Applications
- Meets IEEE802.3 standard
- TVS LC30-3.3 on cable side
- Pin 7 Removed
- Industrial Temp: -40°C to +85°C



Electrical Specifications @ 25°C

Part Number	OCL(μH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio chip: cable (±2%)		Cross Talk (dB Min)	Insertion Loss (dB Max)
				0.1-100MHz	0.1-100MHz
ARV11-4500I	350	TX = 1CT : 1CT	RX = 1CT : 1CT	-40	-1.1

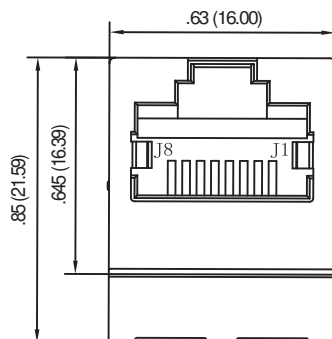
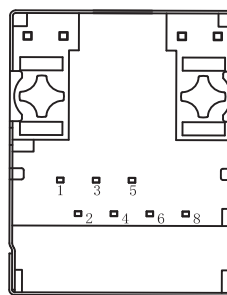
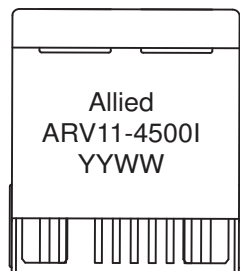
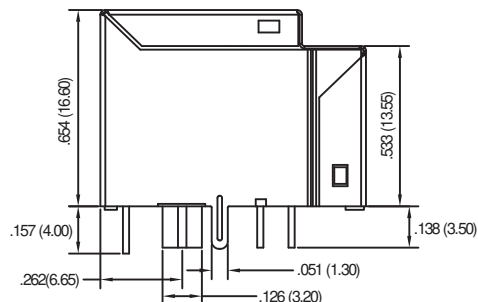
Electrical Specifications @ 25°C

Common Mode Rejection (dB TYP)			Return Loss (dB Min)				Hi-Pot Test
0.1-30MHz	30-60MHz	60-100MHz	0.5-30MHz	40MHz	50MHz	60-80MHz	
-50	-40	-35	-18	-15.5	-13.6	-12	1500Vrms

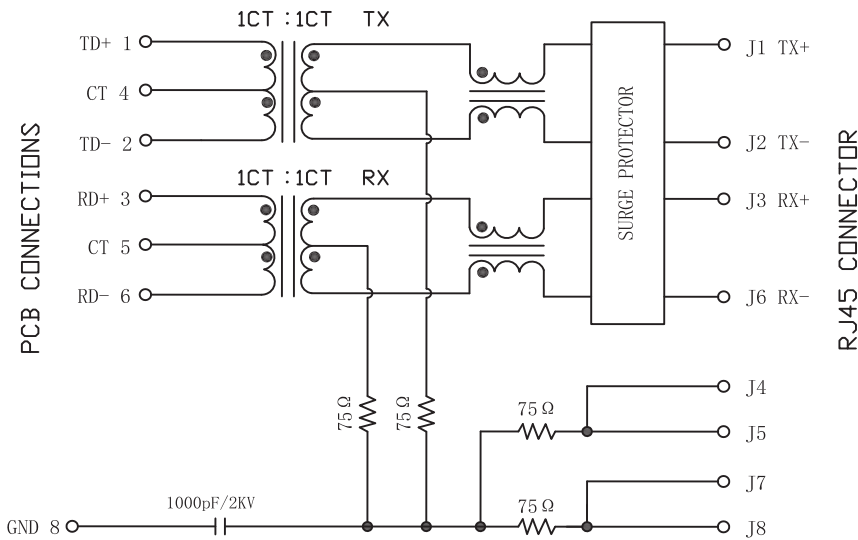
All specifications subject to change without notice.

MECHANICAL

DIMENSIONS: inch(mm)

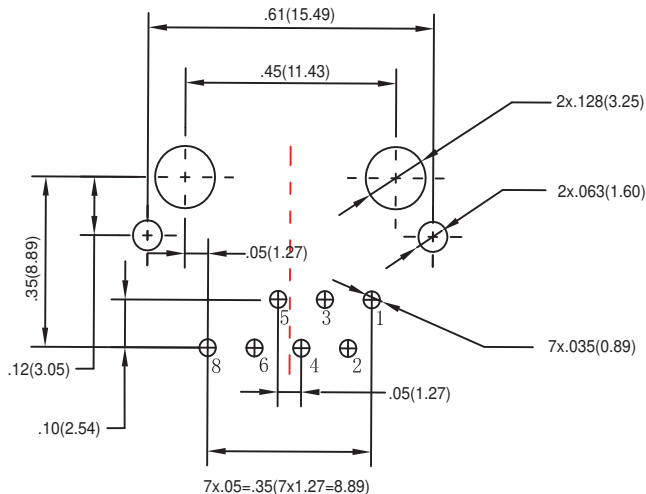


SCHEMATICS



PCB LAYOUT

DIMENSIONS: inch(mm)



NOTES

1. Connector Materials:

Housing Material: Thermoplastic PBT+30%G.F UL94V-0

Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm

Pins: Brass C2680R-H Thickness=0.35mm

Shield: Copper Alloy Brass H65Y Thickness=0.2mm

Contact Plating: Gold 6μ" Min In contact area

2. Wave Solder tip temperature: 265°C Max, 5Sec Max