EMI QUIET - WITH LEDS

EMI Quiet Modular Jacks with LED's



is a family of EMI Quiet Modular Jack Connectors with built-in LEDs, meets Ethernet CAT 5 performance. This product is ideal for LAN applications such as adapter

cards and routers. Shielded and non-shielded versions are available, with a variety of LED colors, and ports.



Specifications

MATERIAL

Shield: Copper Alloy; Tin/Lead Plated **Contacts:** Phosphor Bronze; Gold over Nickel Solder reflow process compatible Insert:

(Complies with UL 94V-0)

ELECTRICAL

Contact Resistance: 20 milliohms maximum **Insulation Resistance:** 500 megohms minimum

Current Rating: 1.5 Amps **Voltage Rating:** 125 Volts AC

Dielectric Withstanding

Voltage: 1000 VAC, RMS. 60 Hz. 1 min. Standard LEDs: For 5.0 V Systems

Forward Voltage: 2.1 Volts Typical Reverse Voltage: 6.0 Volts minimum

0.5 mCd minimum (at If=2mA) Luminous Intensity:

Low Current LEDs: For 3.3 V Systems

Forward Voltage: 2.0 Volts Typical Reverse Voltage: 6.0 Volts minimum

Luminous Intensity: 1.0 mCd minimum (at If=2mA)

Other Parameters:

Storage Temperature: -20° C to 85° C Lead Soldering Temperature: 260° C (5 sec) Plating on Tails: Tin-Lead (90-10) alloy

UL File #: E135615 CSA File #: LR68598

Ordering Information







VERSION

3 - vertical mount, RJ45, 8 contacts 5 - 8 position, RJ45, flat contact

7 - 6 position, RJ11, flat contact L - low profile, 8 position

SHIELDING OPTION

0 - no shield

3 - shielded

4 - one port shield similar to code 3 but with side ground tabs

7 - shield with ground lug (single port)

NUMBER OF CONTACTS

4 - 4 contacts (6 position)

6 - 6 contacts (6 position)

8 - 8 contacts (8 position)

Options for style, shield & contacts available. Contact Amphenol Canada for more information

NUMBER OF PORTS Blank - Single port

02 - 2 ports

03 - 3 ports

04 - 4 ports

05 - 5 ports 06 - 6 ports

07 - 7 ports

08 - 8 ports

LED DESIGNATION

0 - blocked

led 1 green, led 2 yellow

2 - led 1 green

3 - led 2 yellow

4 - led 1 yellow, led 2 green

5 - led 1 green, led 2 green

6 - led 1 yellow, led 2 yellow - led 1+ 2 - bi-colour yellow/green

B - led 1 + 2 - bi-colour red/green

For additional colour combinations

refer to Chart RJHS Page 2

RJHS Series RJ_{vista} EMI QUIET - WITH LEDS



LED Designation

RJHS - 538 1* -08

* LED DESIGNATION CODE

LED CODE	LED 2 Left	LED 1 Right		
0	Blocked	Blocked		
1	Yellow	Green		
2	Blocked	Green		
3	Yellow	Blocked		
4	Green	Yellow		
5	Green	Green		
6	Yellow	Yellow		
7	Red	Green		
8	Green	Red		
9	Green	Blocked		
Α	BiC Gr/YI	BiC Gr/YI		
В	BiC Rd/Gr	BiC Rd/Gr		
С	BiC Rd/Gr	BiC Gr/YI		
D	Green	BiC Gr/YI		
E	Yellow	BiC Gr/YI		
F	BiC Gr/YI	Yellow		
G	BiC Gr/Or	BiC Gr/Or		
Н	BiC Gr/YI	Green		
J	BiC Rd/Gr	Yellow		
K	Yellow	BiC Gr/Or		
L	BiC Rd/Gr	Red		
М	Red	Yellow		
N	BiC Gr/Rd	BiC Gr/YI		
Р	Green	BiC Rd/Gr		
R	BiC Gr/Or	Green		
T	Red	Red		
V	BiC Rd/Gr	Green		
W		Special Designation (add digit to part number)		
Z				

RJHS - 538W - 08 2*

* SPECIAL LED DESIGNATION

SPECIAL DESIGNATION	LED 2 ON Left	LED 1 Right			
0	See standard	See standard Design			
1	Red	Blocked			
2	BiC Gr/YI	Yellow			
3	Yellow	Red			
4	Blocked	Red			
5	Blocked	Yellow			
6	Red	BiC Gr/YI			
7	21				
8					
9					
	LOW CURREN	LOW CURRENT LED OPTIONS			
А	Yellow	Yellow			
В	Yellow	Green			
С	Green	Yellow			
D	Green	Green			
D	Green	Green			

LED 2 LED 1

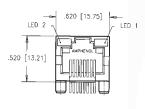
^{*} Contact Amphenol Canada for more information

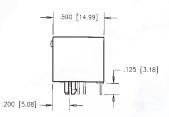


EMI QUIET - WITH LEDS

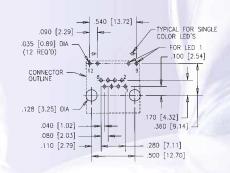
Single Port

NON-SHIELDED

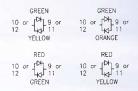




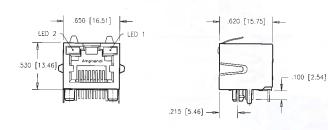
PCB LAYOUT



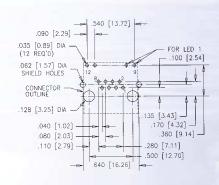
BI-COLOUR LEDS



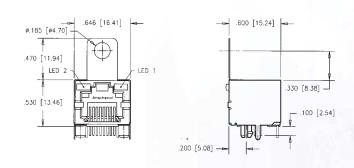
SHIELDED WITH TOP & SIDE GROUND TABS



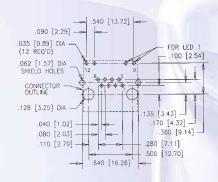
PCB LAYOUT



SHIELDED WITH GROUND LUG



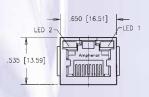
PCB LAYOUT

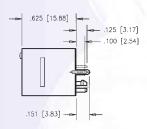




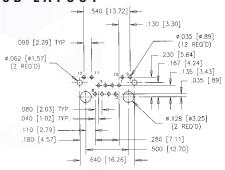
EMI QUIET - WITH LEDS

VERTICAL MOUNT SINGLE PORT ONLY

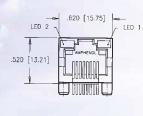


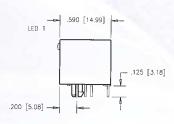


PCB LAYOUT

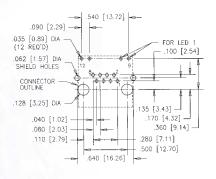


LOW PROFILE SINGLE & 2 PORT

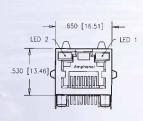


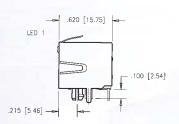


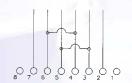
PCB LAYOUT



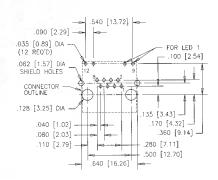
SHORTING BARS SINGLE & 2 PORT







PCB LAYOUT



SHORTING BARS (CIRCUIT)

RJ_{vista}

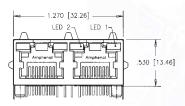
EMI QUIET - WITH LEDS

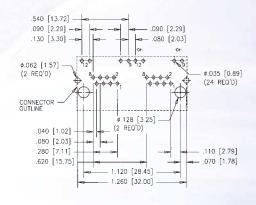
EMI Quiet Modular Jacks with LED's Multiport

RJ *vista*™ is a family of EMI Quiet Modular Jack Connectors with built-in LEDs, designed for Category 5 ethernet performance. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of LED colors, and ports.

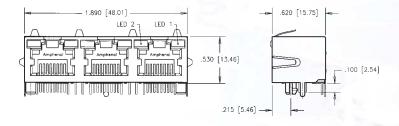


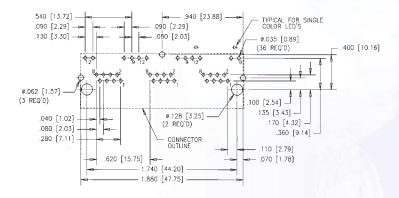
SHIELDED 2 PORT





SHIELDED 3 PORT

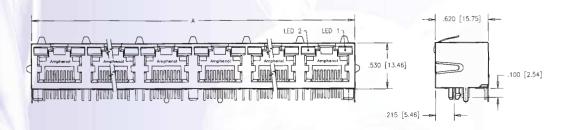


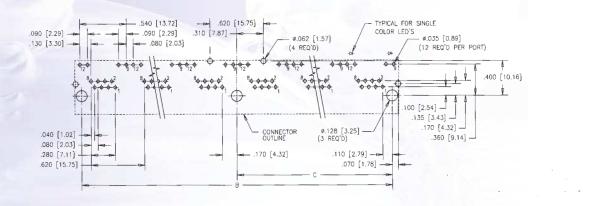


$\overline{\mathrm{RJ}_{vista^{n}}}$

EMI QUIET - WITH LEDS

SHIELDED WITH TOP AND SIDE GROUND TABS (AVAILABLE IN MULTI-PORT)





Number of ports	Α	В	С
2	see page 5	see page 5	see page 5
3	see page 5	see page 5	see page 5
4	2.510[63.75]	2.360[59.94]	1.180[29.97]
6	3.750[95.25]	3.600[91.44]	1.800[45.72]
8	4.990[126.75]	4.840[122.94]	2.420[61.47]