# RJHS Series

# *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.



RJ

### Specifications

MATERIAL Shield: Contacts: Insert:

Copper Alloy; Tin/Lead Plated Phosphor Bronze; Gold over Nickel Solder reflow process compatible (Complies with UL 94V-0)

#### ELECTRICAL

Contact Resistance:2Insulation Resistance:5Current Rating:1Voltage Rating:1Dielectric WithstandingVoltage:Voltage:1

20 milliohms maximum 500 megohms minimum 1.5 Amps 125 Volts AC 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 Luminous Intensity: 0.5 mCd minimum (at If=2mA) 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:** -20° C to 85° C Storage Temperature: Lead Soldering Temperature: 260° C (5 sec) Plating on Tails: Tin-Lead (90-10) alloy UL File # : E135615 CSA File # : LR68598

### Ordering Information

-	RJHS – X X	<b>x</b> x –	xx
x	<b>VERSION</b> 3 - vertical mount, RJ45, 8 contacts 5 - 8 position, RJ45, flat contact 7 - 6 position, RJ11, flat contact L - low profile, 8 position		NUMBER O Blank - Sing 02 - 2 ports 03 - 3 ports 04 - 4 ports 05 - 5 ports
x	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)		06 - 6 ports 07 - 7 ports 08 - 8 ports <b>LED DESIGN</b> 0 - blocked
X	NUMBER OF CONTACTS 4 - 4 contacts (6 position) 6 - 6 contacts (6 position) 8 - 8 contacts (8 position)		1 - led 1 gre 2 - led 1 gre 3 - led 2 yell 4 - led 1 yell 5 - led 1 gre 6 - led 1 yell A - led 1+ 2 B - led 1 + 2
	Ontions for style, shield & contacts available		For additional

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	XX
LED DESIGNATION 0 - blocked 1 - led 1 green, led 2 yel 2 - led 1 green 3 - led 2 yellow 4 - led 1 yellow, led 2 gre 5 - led 1 green, led 2 gre 6 - led 1 yellow, led 2 ye A - led 1 + 2 - bi-colour y B - led 1 + 2 - bi-colour	een en low ellow/green

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

For additional colour combinations refer to Chart RJHS Page 2

# RJHS Series RJ<sub>vista</sub> EMI QUIET - WITH LEDS

## LED Designation

RJHS -	538 <u>1</u> * -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			
А	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			
К	Yellow	BiC Gr/Or			
L	BiC Rd/Gr	Red			
М	Red	Yellow			
Ν	BiC Gr/Rd	BiC Gr/YI			
Р	Green	BiC Rd/Gr			
R	BiC Gr/Or	Green			
Т	Red	Red			
V	BiC Rd/Gr	Green			
W	Special Designation (add digit to part number)				
Z					

#### RJHS - 538W - 08 <u>2</u>\*

\* SPECIAL LED DESIGNATION

LED 2 Left	LED 1 Right	
See standard Design		
Red	Blocked	
BiC Gr/Yl	Yellow	
Yellow	Red	
Blocked	Red	
Blocked	Yellow	
Red	BiC Gr/YI	
9		
LOW CURRENT LED OPTIONS		
Yellow	Yellow	
Yellow	Green	
Green	Yellow	
Green	Green	
	Left See standard Red BiC Gr/Yl Yellow Blocked Blocked Blocked C Blocked Blocked C Blocked Blocked C Blocked C C C C C C C C C C C C C C C C C C C	

LED 2

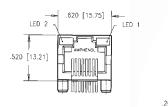
LED 1

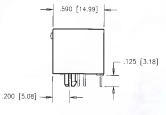
\* Contact Amphenol Canada for more information



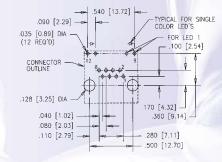
Single Port

#### NON-SHIELDED





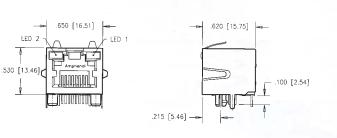
PCB LAYOUT



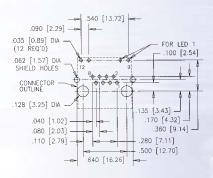
**BI-COLOUR LEDS** 

GREEN 10 or $\begin{bmatrix} D_1 \\ H_1 \end{bmatrix}$ 9 or 12 YELLOW	GREEN 10 or 12 or ORANGE
RED	RED
10 or	10 or - 12 9 or
12	12 44 11
GREEN	YELLOW

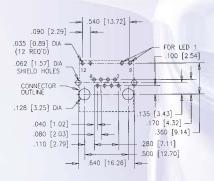
#### SHIELDED WITH TOP & SIDE GROUND TABS



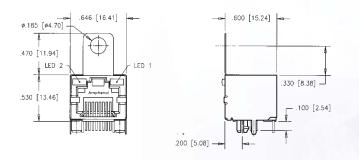
PCB LAYOUT

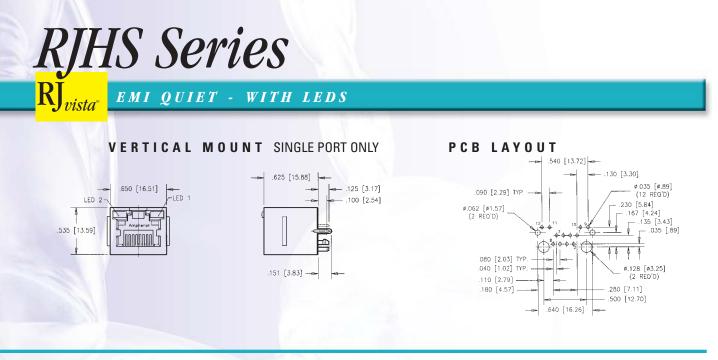


PCB LAYOUT

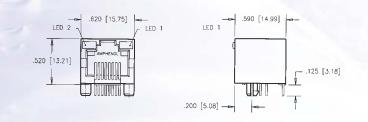


#### SHIELDED WITH GROUND LUG

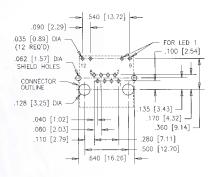




LOW PROFILE SINGLE & 2 PORT



PCB LAYOUT



#### SHORTING BARS SINGLE & 2 PORT

.650 [16.51]

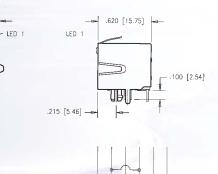
È, art

r anna b

LED 2

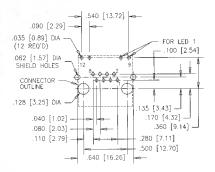
.530 [13.46]

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0 0

Ó <u>ر</u> Ó PCB LAYOUT



SHORTING BARS (CIRCUIT)

Amphenol® Canada Corp. Telephone: (416) 754-5656 Fax: (416) 754-8668 E-mail: sales@amphenolcanada.com

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# RJHS Series

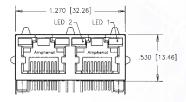
### *EMI Quiet Modular Jacks with LED's Multiport*

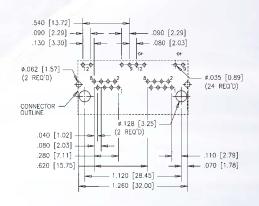
RJ *vista*<sup>™</sup> is a family of EMI Quiet Modular Jack Connectors with built-in LEDs, designed for Category 5 ethernet performance. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of LED colors, and ports.



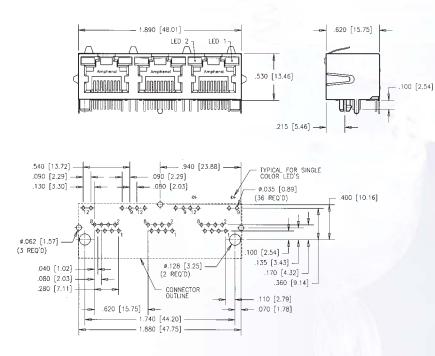
RJ

SHIELDED 2 PORT



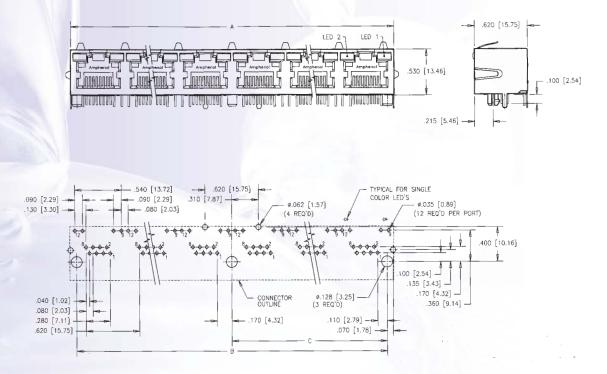


SHIELDED 3 PORT



## RJHS Series RJ<sub>vista</sub> emi quiet - with leds





Number of ports	A	В	C
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]