

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
Insert:	Solder reflow process compatible (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
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:

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

RJHS - X X X X - XX	
X	VERSION 3 - vertical mount, RJ45, 8 contacts 5 - 8 position, RJ45, flat contact 7 - 6 position, RJ11, flat contact L - low profile, 8 position
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)
X	NUMBER OF CONTACTS 4 - 4 contacts (6 position) 6 - 6 contacts (6 position) 8 - 8 contacts (8 position)
	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 1 - 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 A - led 1+2 - bi-colour yellow/green B - led 1+2 - bi-colour red/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
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
A	 BiC Gr/YI	 BiC Gr/YI
B	 BiC Rd/Gr	 BiC Rd/Gr
C	 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
H	 BiC Gr/YI	Green
J	 BiC Rd/Gr	Yellow
K	Yellow	 BiC Gr/Or
L	 BiC Rd/Gr	Red
M	Red	Yellow
N	 BiC Gr/Rd	 BiC Gr/YI
P	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 - 538 W - 08 2*

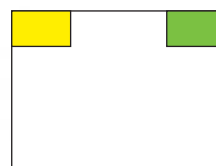
* SPECIAL LED DESIGNATION

SPECIAL DESIGNATION	LED 2 Left	LED 1 Right
0	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		
8		
9		

LOW CURRENT LED OPTIONS

A	Yellow	Yellow
B	Yellow	Green
C	Green	Yellow
D	Green	Green

LED 2

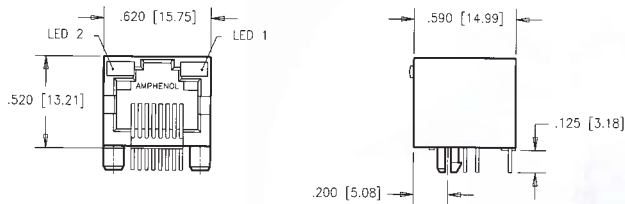


LED 1

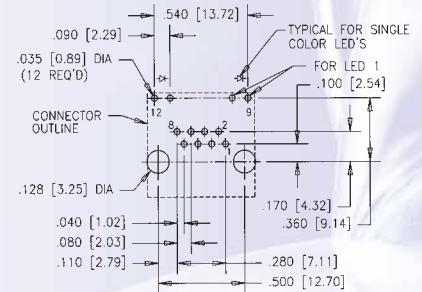
* Contact Amphenol Canada for more information

Single Port

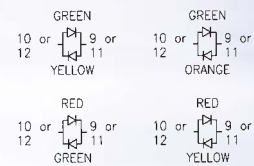
NON-SHIELDED



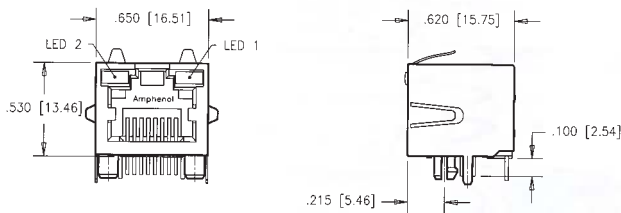
PCB LAYOUT



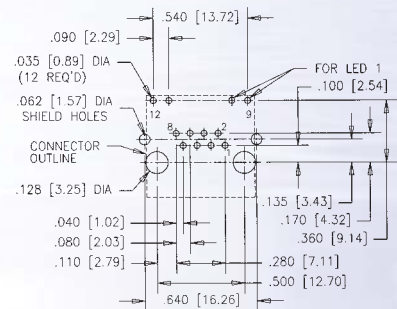
BI-COLOUR LEDS



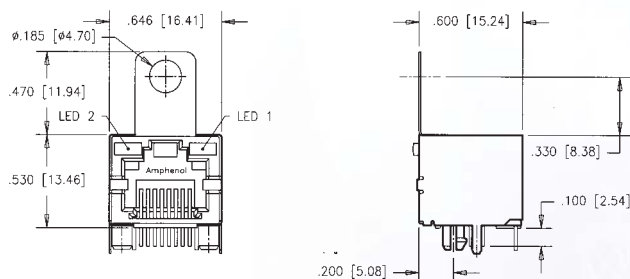
SHIELDED WITH TOP & SIDE GROUND TABS



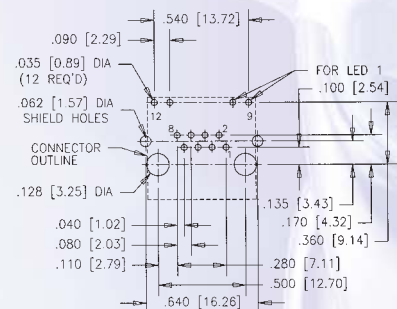
PCB LAYOUT



SHIELDED WITH GROUND LUG



PCB LAYOUT

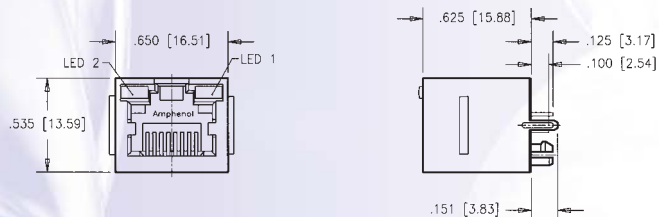


RJHS Series

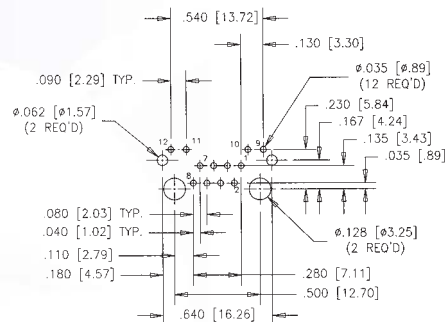
RJ
vista

EMI QUIET - WITH LEDS

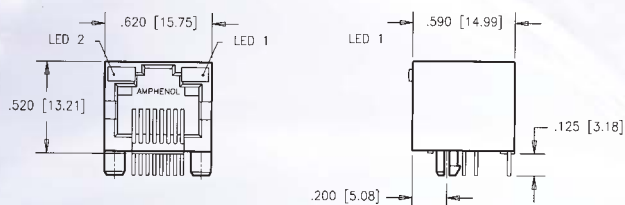
VERTICAL MOUNT SINGLE PORT ONLY



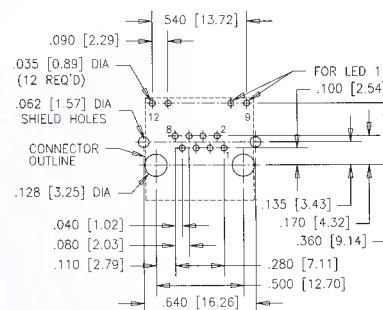
PCB LAYOUT



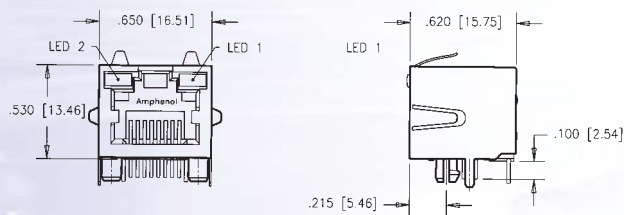
LOW PROFILE SINGLE & 2 PORT



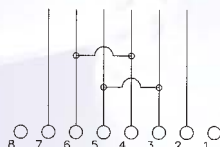
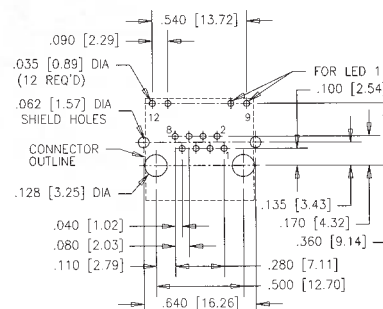
PCB LAYOUT



SHORTING BARS SINGLE & 2 PORT



PCB LAYOUT



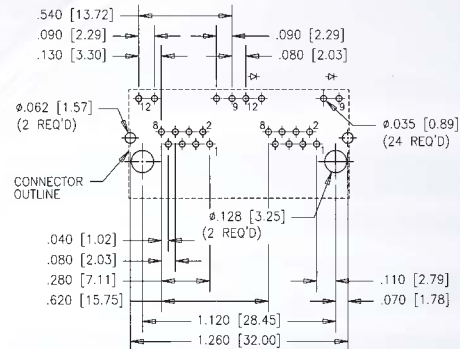
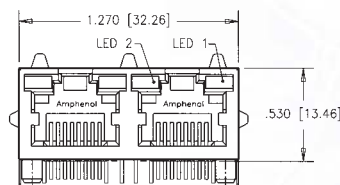
SHORTING BARS (CIRCUIT)

EMI Quiet Modular Jacks with LED's Multiport

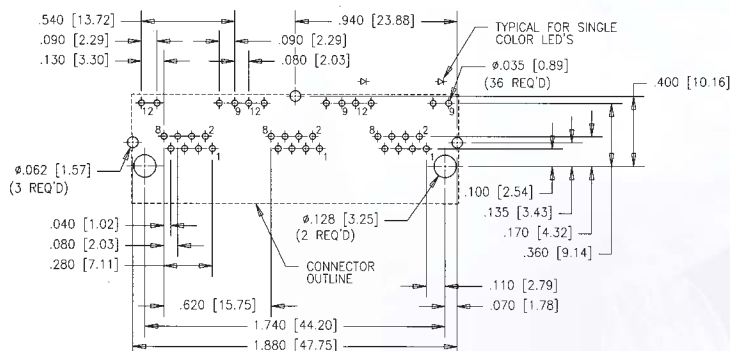
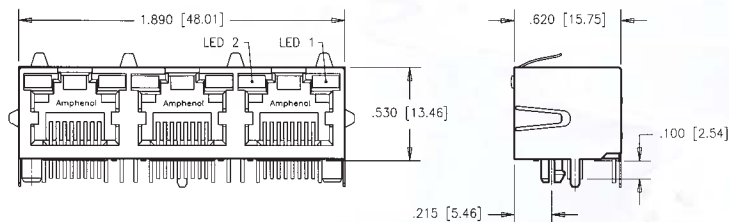
RJ vista™ is a family of EMI Quiet Modular Jack Connectors with built-in LEDs, designed for Category 5 ethernet performance. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of LED colors, and ports.



SHIELDED 2 PORT



SHIELDED 3 PORT

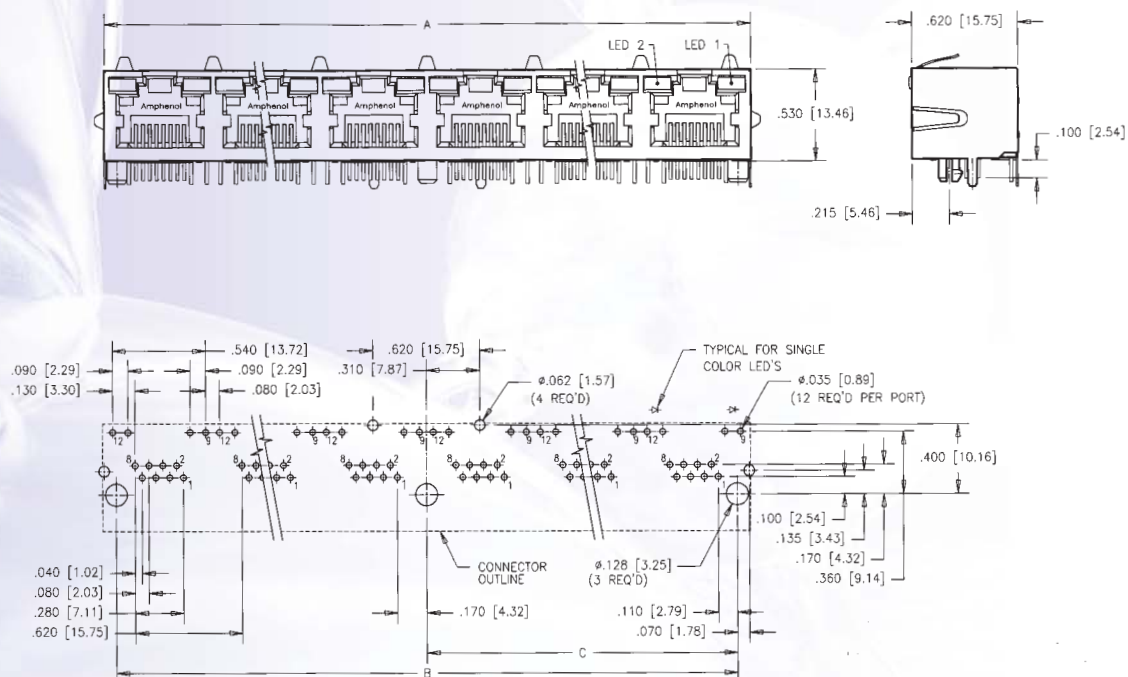


RJHS Series

RJ
vista™

EMI QUIET - WITH LEDS

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



Number of ports	A	B	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]

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