RJHS Series

RJvista™

EMI QUIET - WITH LEDS

EMI Quiet Modular Jacks with LED's

RJvista™ 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.
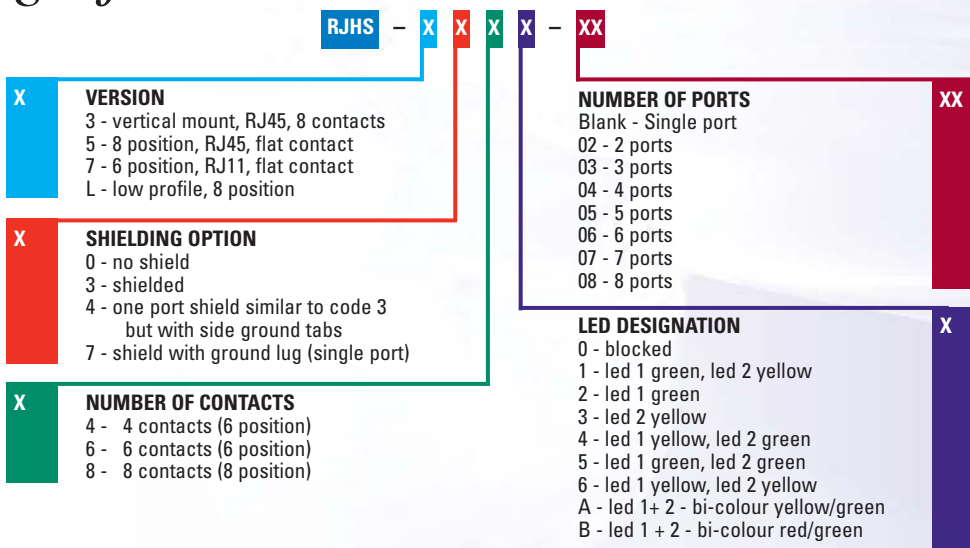
Specifications

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)

XX — 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

X — 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

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RJHS Series

EMI QUIET - WITH LEDS

LED Designation

R J H S - 5 3 8 **1*** - 0 8

* 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/Yl	BiC Gr/Yl
B	BiC Rd/Gr	BiC Rd/Gr
C	BiC Rd/Gr	BiC Gr/Yl
D	Green	BiC Gr/Yl
E	Yellow	BiC Gr/Yl
F	BiC Gr/Yl	Yellow
G	BiC Gr/Or	BiC Gr/Or
H	BiC Gr/Yl	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/Yl
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		

* Contact Amphenol Canada for more information

R J H S - 5 3 8 W - 0 8 **2***

* SPECIAL LED DESIGNATION

SPECIAL DESIGNATION	LED 2 Left	LED 1 Right
0	See standard Design	
1	Red	Blocked
2	BiC Gr/Yl	Yellow
3	Yellow	Red
4	Blocked	Red
5	Blocked	Yellow
6	Red	BiC Gr/Yl
7		
8		
9		

LOW CURRENT LED OPTIONS

	LED 2 Left	LED 1 Right
A	Yellow	Yellow
B	Yellow	Green
C	Green	Yellow
D	Green	Green

LED 2   **LED 1**
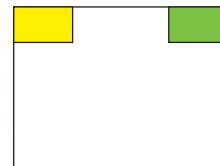
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Single Port

NON-SHIELDED
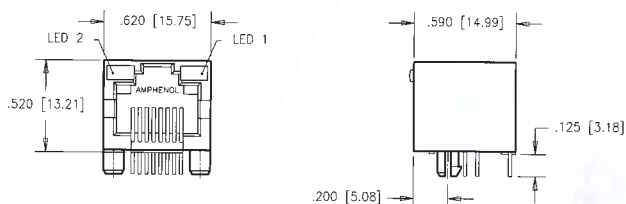
PCB LAYOUT
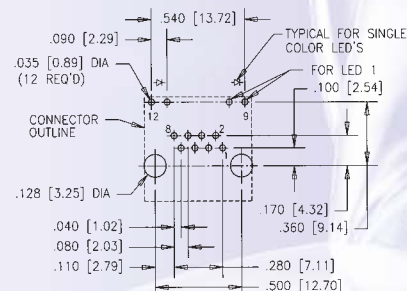
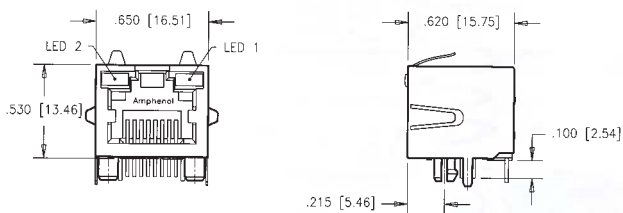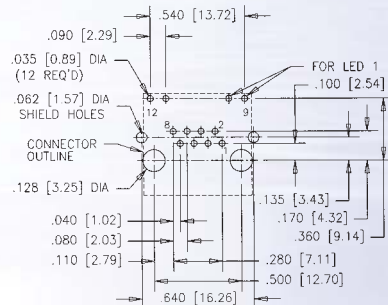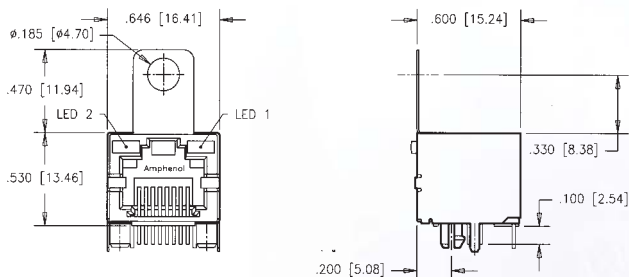### BI-COLOUR LEDS
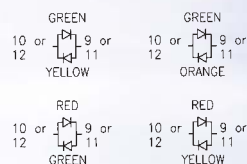
SHIELDED WITH TOP & SIDE GROUND TABS

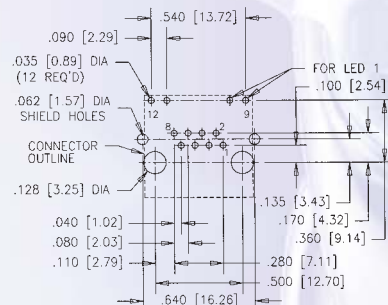

PCB LAYOUT

SHIELDED WITH GROUND LUG

PCB LAYOUT

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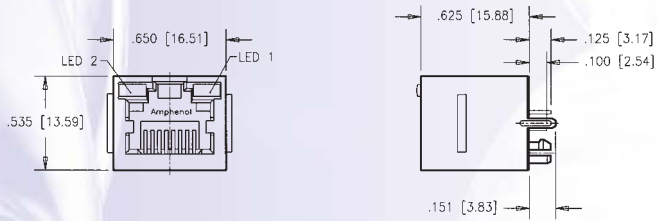# RJHS Series
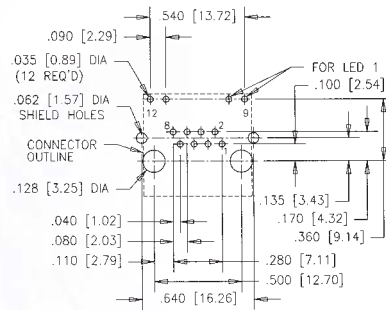
EMI QUIET - WITH LEDS

VERTICAL MOUNT SINGLE PORT ONLY

LED 2 | LED 1
.650 [16.51]
.535 [13.59]

.625 [15.88]
.125 [3.17]
.100 [2.54]
.151 [3.83]

PCB LAYOUT

.540 [13.72]
.130 [3.30]
.090 [2.29] TYP.
ø.035 [ø.89] (12 REQ'D)
ø.062 [ø1.57] (2 REQ'D)
.230 [5.84]
.167 [4.24]
.135 [3.43]
.035 [.89]
.080 [2.03] TYP.
.040 [1.02] TYP.
ø.128 [ø3.25] (2 REQ'D)
.110 [2.79]
.180 [4.57]
.280 [7.11]
.500 [12.70]
.640 [16.26]
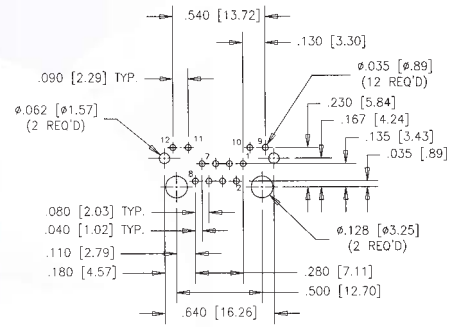
LOW PROFILE SINGLE & 2 PORT

LED 2 | LED 1
.620 [15.75]
.520 [13.21]

LED 1
.590 [14.99]
.125 [3.18]
.200 [5.08]

PCB LAYOUT

.540 [13.72]
.090 [2.29]
.035 [0.89] DIA (12 REQ'D)
.062 [1.57] DIA SHIELD HOLES
CONNECTOR OUTLINE
.128 [3.25] DIA
FOR LED 1
.100 [2.54]
.135 [3.43]
.170 [4.32]
.360 [9.14]
.040 [1.02]
.080 [2.03]
.110 [2.79]
.280 [7.11]
.500 [12.70]
.640 [16.26]
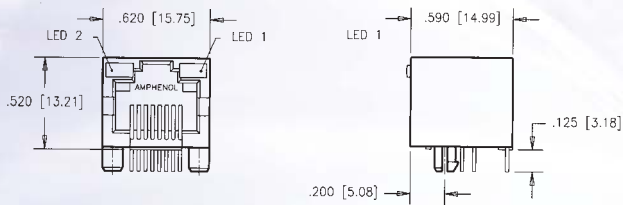
SHORTING BARS SINGLE & 2 PORT

LED 2 | LED 1
.650 [16.51]
.530 [13.46]

LED 1
.620 [15.75]
.100 [2.54]
.215 [5.46]

SHORTING BARS (CIRCUIT)
8 7 6 5 4 3 2 1

PCB LAYOUT

.540 [13.72]
.090 [2.29]
.035 [0.89] DIA (12 REQ'D)
.062 [1.57] DIA SHIELD HOLES
CONNECTOR OUTLINE
.128 [3.25] DIA
FOR LED 1
.100 [2.54]
.135 [3.43]
.170 [4.32]
.360 [9.14]
.040 [1.02]
.080 [2.03]
.110 [2.79]
.280 [7.11]
.500 [12.70]
.640 [16.26]
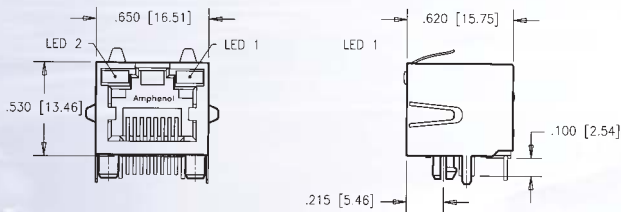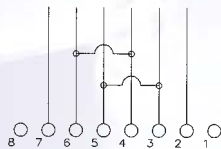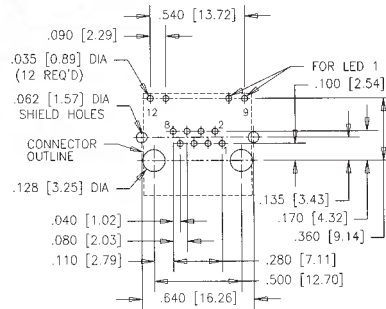
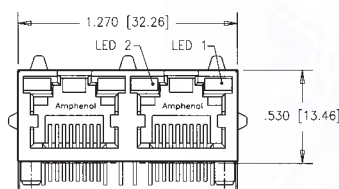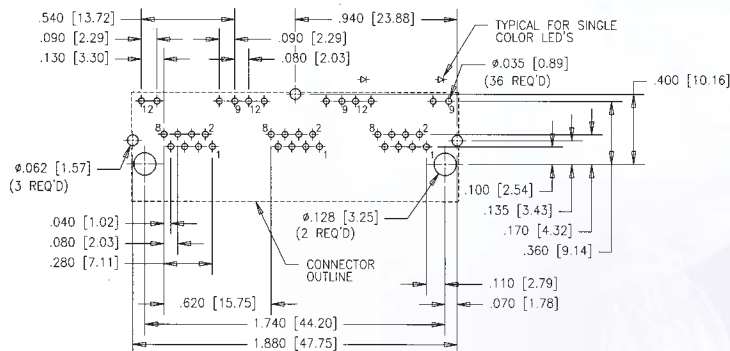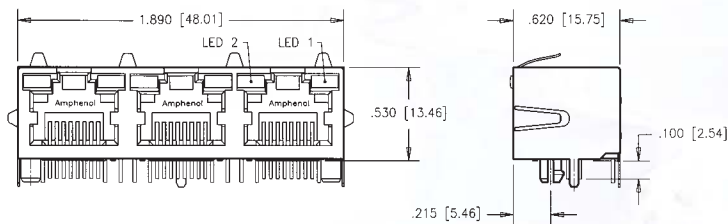## *EMI Quiet Modular Jacks with LED's Multiport*

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.

S H I E L D E D   2 PORT
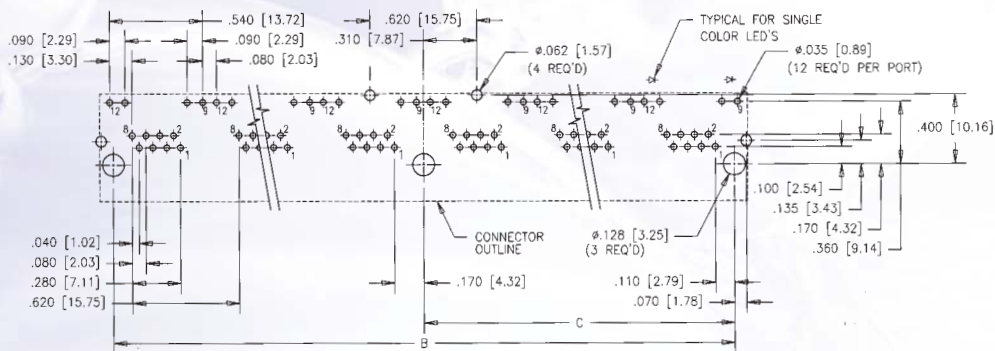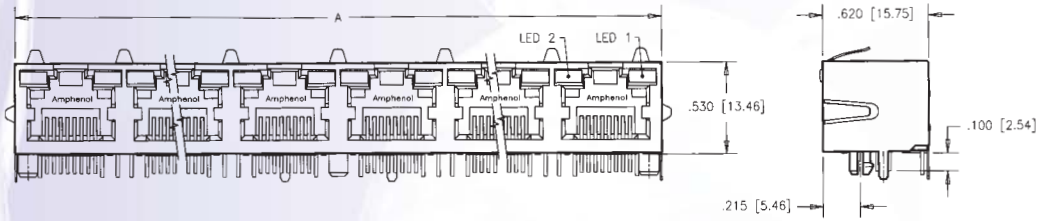

S H I E L D E D   3 PORT

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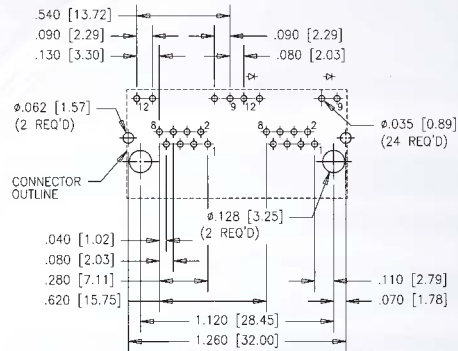
RJHS Series

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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