

# RJHS Series

**RJ**vista™

EMI QUIET - WITH LEDs

## EMI Quiet Modular Jacks with LED's

**RJ**vista™

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

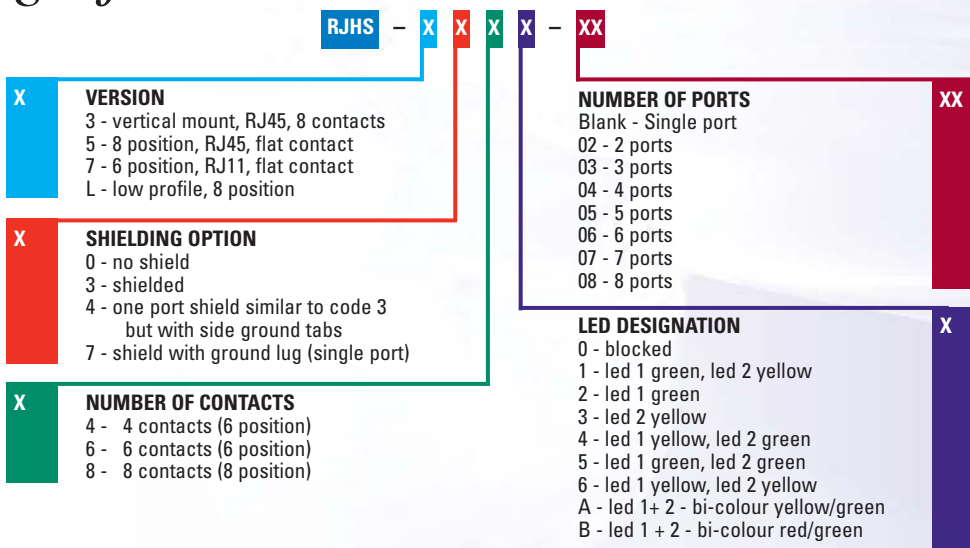
**Shield:** Copper Alloy; Tin/Lead Plated  
**Contacts:** Phosphor Bronze; Gold over Nickel  
**Insert:** Solder reflow process compatible (Complies with UL 94V-0)

### 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



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

For additional colour combinations refer to Chart RJHS Page 2

# RJHS Series



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\*

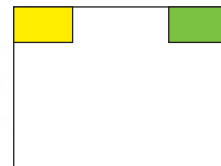
### \* SPECIAL LED DESIGNATION

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

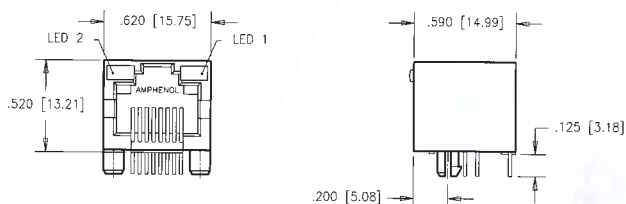
# RJHS Series



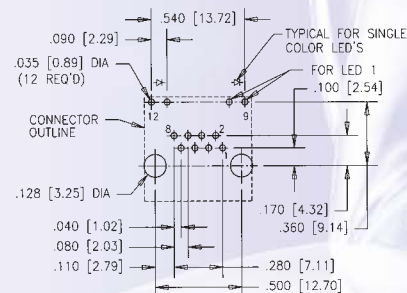
EMI QUIET - WITH LEDS

## Single Port

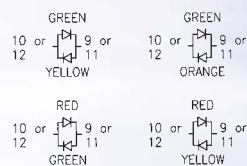
### NON-SHIELDED



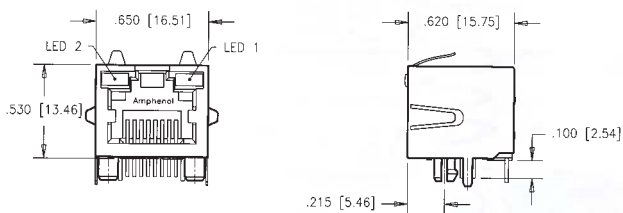
### PCB LAYOUT



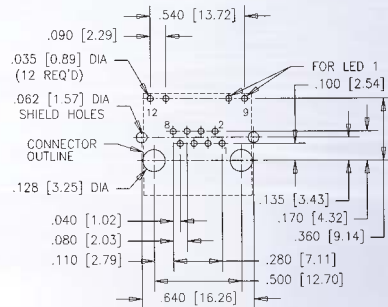
### BI-COLOUR LEDS



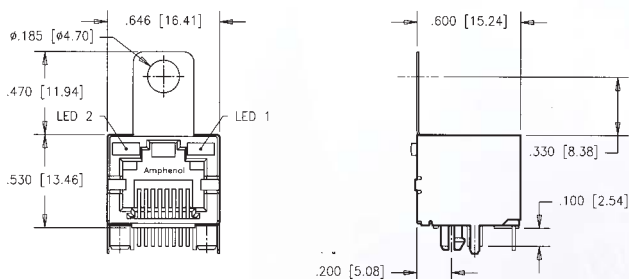
### SHIELDED WITH TOP & SIDE GROUND TABS



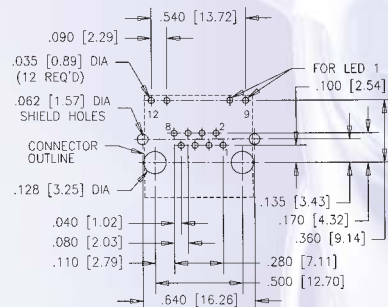
### PCB LAYOUT



### SHIELDED WITH GROUND LUG



### PCB LAYOUT

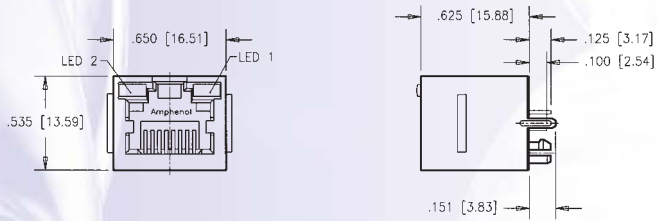


# RJHS Series

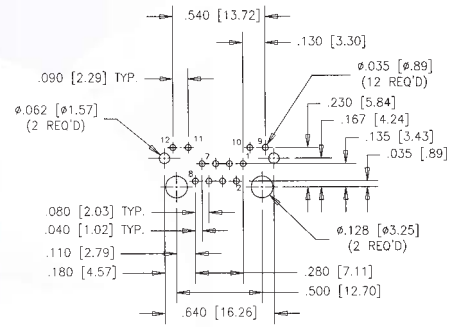


EMI QUIET - WITH LEDS

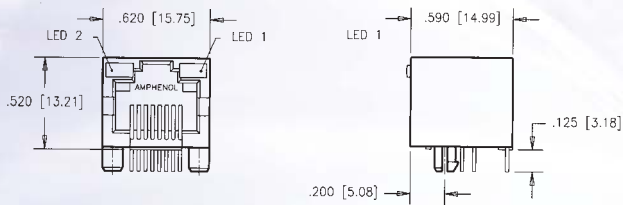
## VERTICAL MOUNT SINGLE PORT ONLY



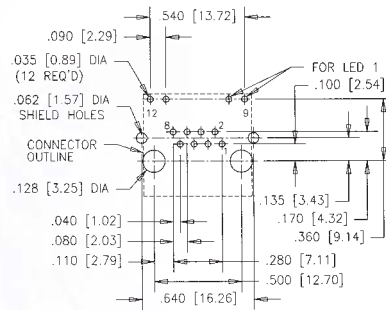
## PCB LAYOUT



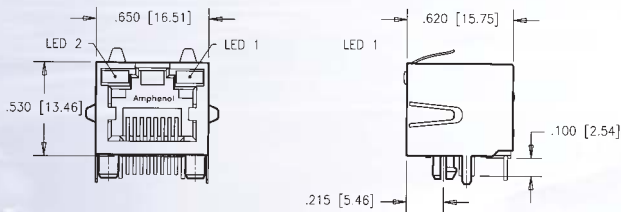
## LOW PROFILE SINGLE & 2 PORT



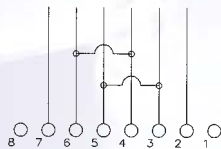
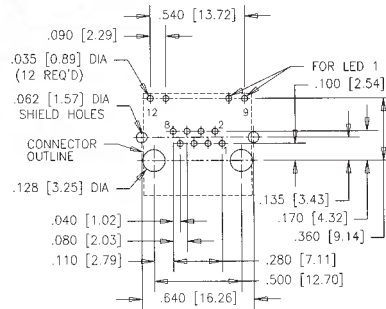
## PCB LAYOUT



## SHORTING BARS SINGLE & 2 PORT



## PCB LAYOUT



SHORTING BARS (CIRCUIT)

# RJHS Series

RJ vista™

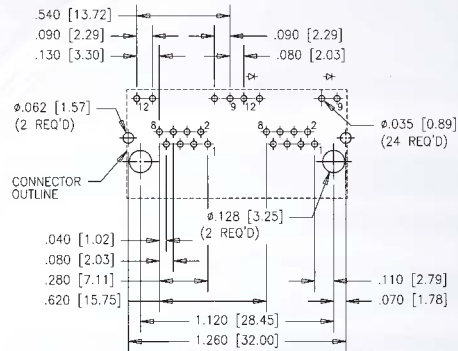
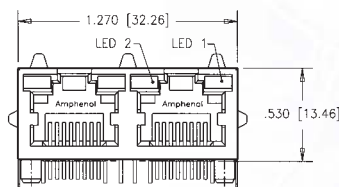
EMI QUIET - WITH LEDS

## EMI Quiet Modular Jacks with LED's Multiport

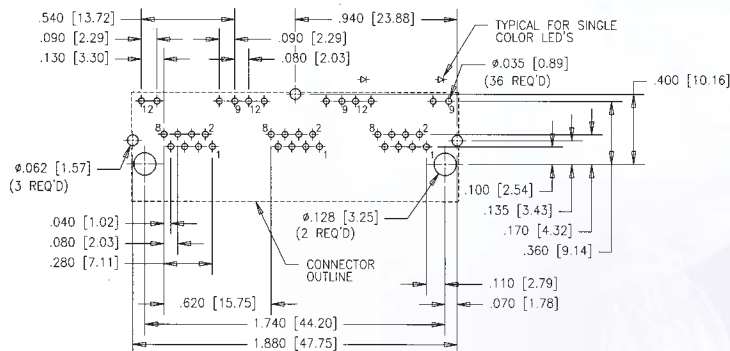
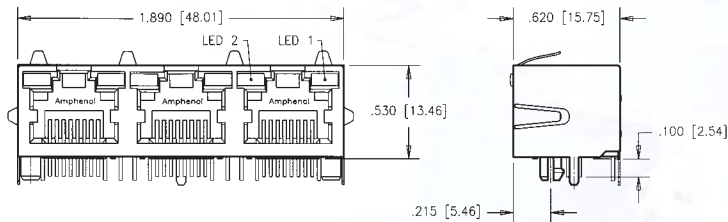
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### SHIELDED 2 PORT



### SHIELDED 3 PORT

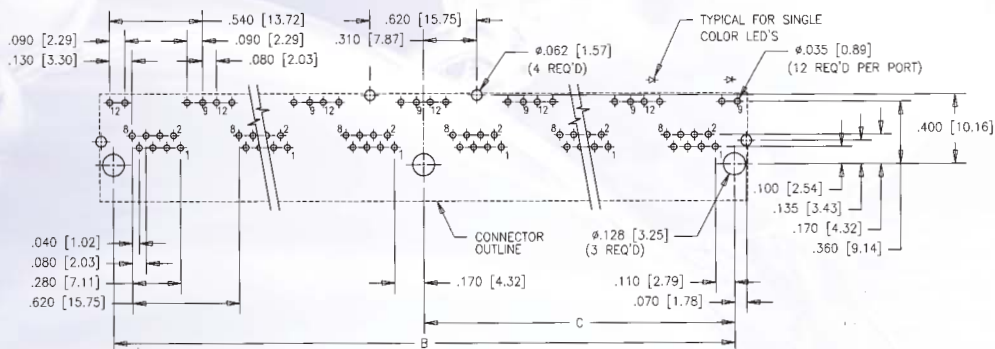
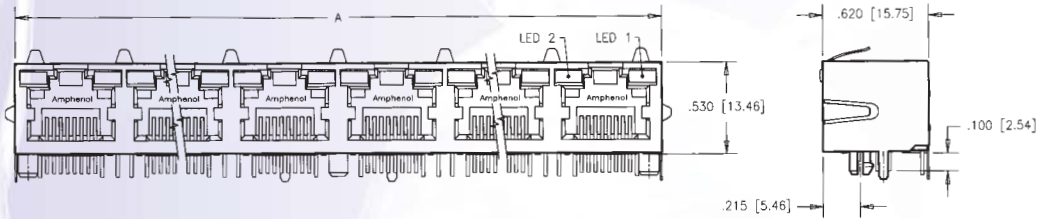


# RJHS Series



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]

# Mouser Electronics

Authorized Distributor

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