

MODULAR JACKS



Amphenol
www.rjvista.com

Contents

Amphenol Data/Telecom Products Group of Amphenol Canada Corp., a subsidiary of Amphenol Corporation, is an ISO 9001 certified facility located in Toronto, Canada. Our activities are dedicated to the design, development and manufacture of interconnect products intended for use in the data communications and telecommunications markets. Our expertise in understanding and supporting our customers' interconnect needs has earned Amphenol Canada a

reputation of quality and excellence among the world's leading users of electronic components.

This Modular Jack catalog represents some of our more popular products within this product category. Other product categories include, but are not limited to: D-Sub, Micro-Ribbon, USB, RF, Fiber-Optic, DIN 41612, mini-DIN, Headers and Sockets, Firewire, SCSI, VHDCI and Filtered Connector products.

RJ Vista

EMI Quiet with LEDs

Single Port

Multi Port

Stacked

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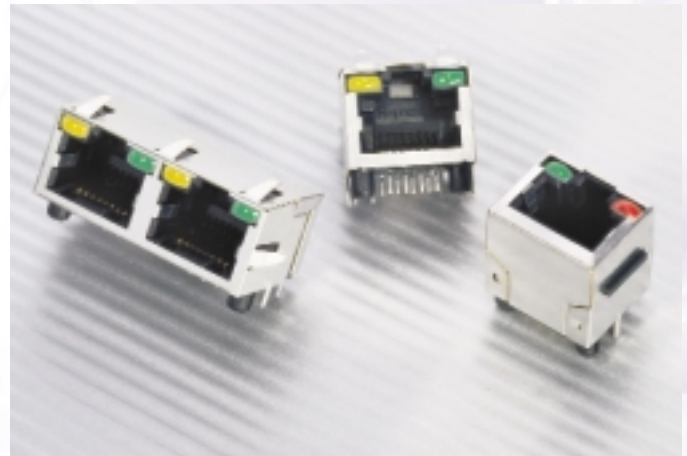
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EMI Quiet Modular Jacks with LED's



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 50 micro inch gold 6 - 6 position, RJ11, round contact 30 micro inch gold 7 - 6 position, RJ11, flat contact 50 micro inch gold 8 - 8 position, RJ45, PCMCIA, flanged, round contact 30 micro inch gold 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) A - 10 contacts (10 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

Note: PCMCIA version is only available in single port
Options for style, shield & contacts available.
Contact Amphenol Canada for more information

For additional colour combinations
refer to Chart RJHS Page 2

RJHS Series

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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*

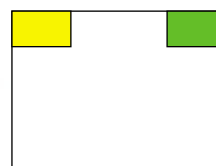
* SPECIAL LED DESIGNATION

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

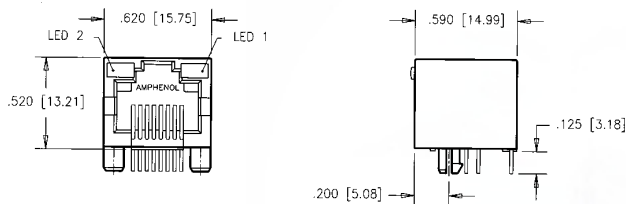


LED 1

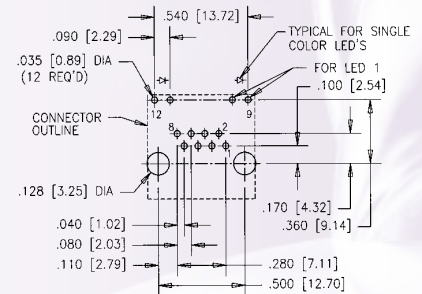
* Contact Amphenol Canada for more information

Single Port

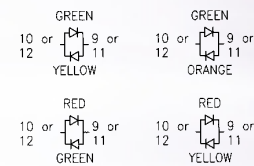
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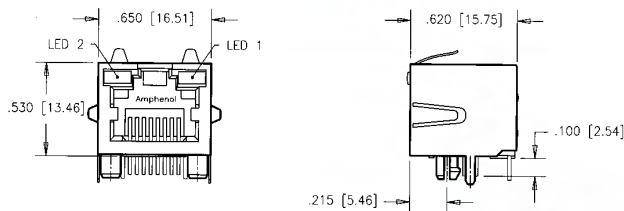
PCB LAYOUT



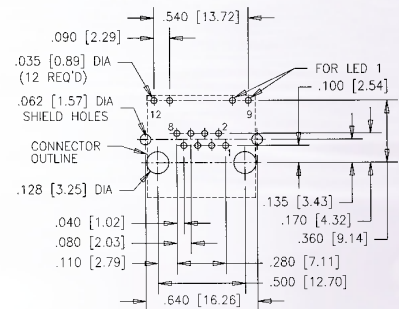
BI-COLOUR LEDS



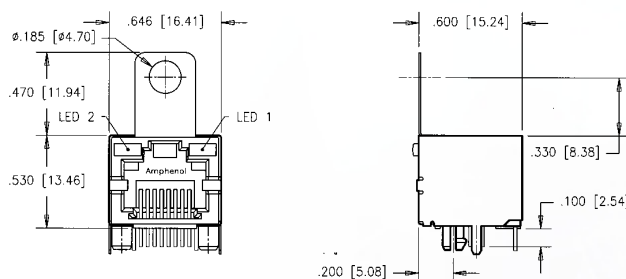
SHIELDED WITH TOP & SIDE GROUND TABS



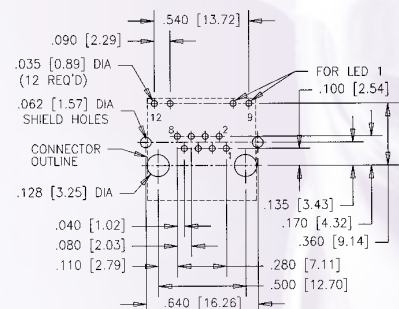
PCB LAYOUT



SHIELDED WITH GROUND LUG



PCB LAYOUT

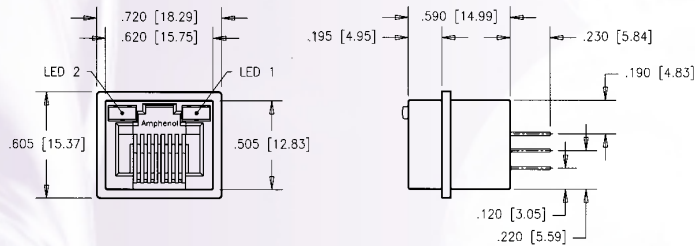


RJHS Series

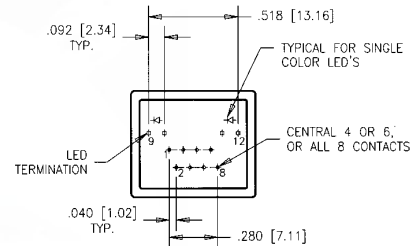
RJ
vista™

EMI QUIET - WITH LEDS

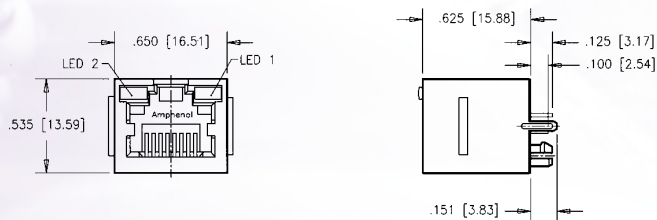
PCMCIA (CABLE ASSEMBLY) SINGLE PORT



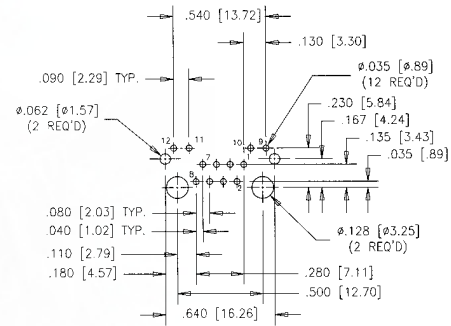
BACK VIEW



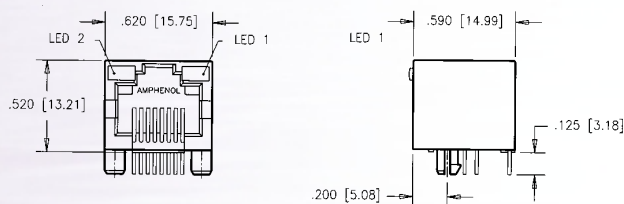
VERTICAL MOUNT SINGLE PORT ONLY



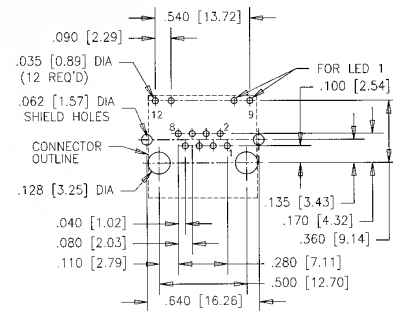
PCB LAYOUT



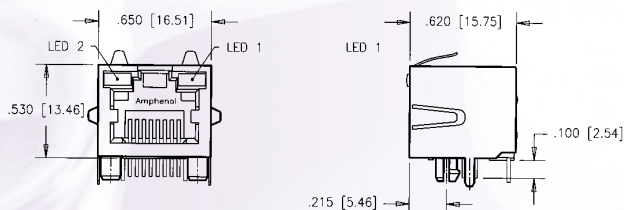
LOW PROFILE SINGLE & 2 PORT



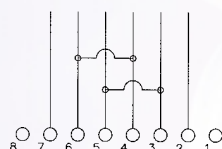
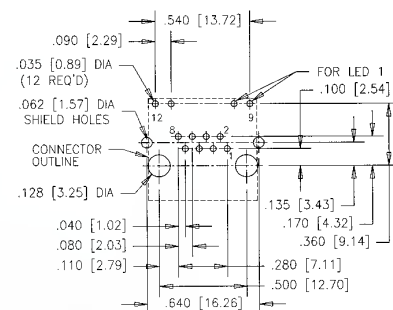
PCB LAYOUT



SHORTING BARS SINGLE & 2 PORT



PCB LAYOUT



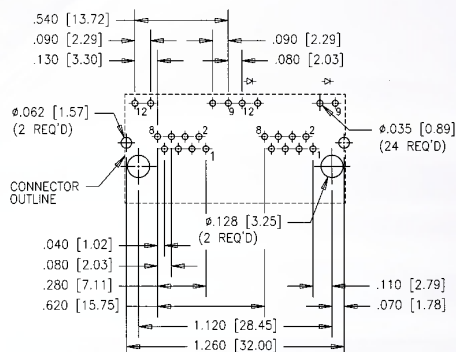
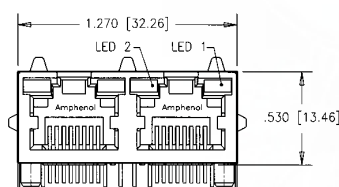
SHORTING BARS (CIRCUIT)

EMI Quiet Modular Jacks with LED's Multiport

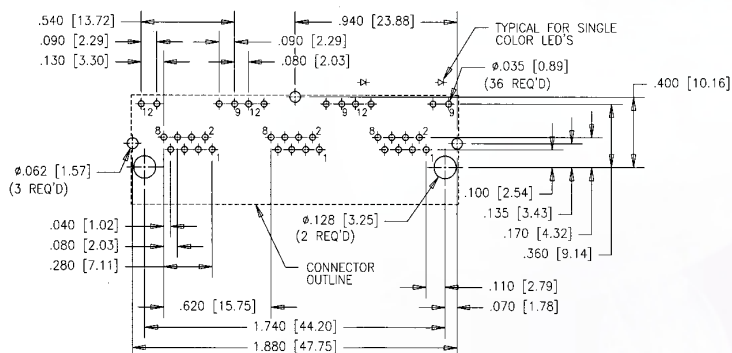
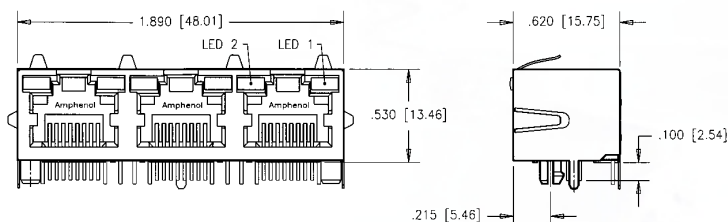
RJ vista™ is a family of EMI Quiet Modular Jack Connectors with built-in LEDs, designed for Category 5 ethernet performance. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of LED colors, and ports.



SHIELDED 2 PORT



SHIELDED 3 PORT

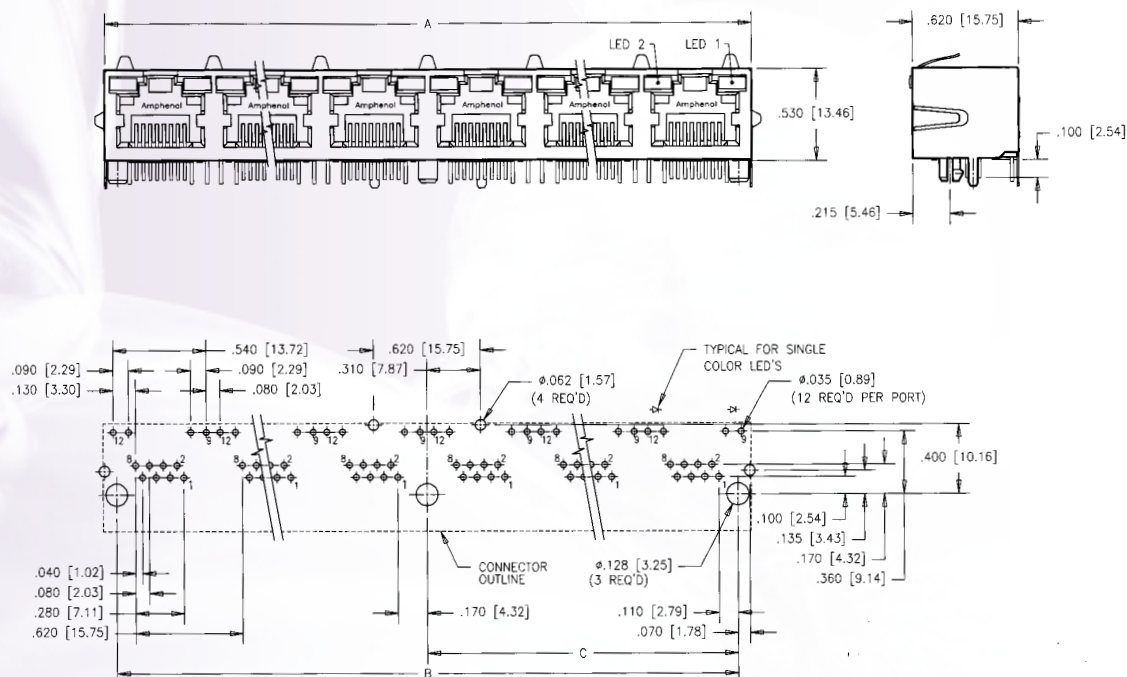


RJHS Series

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]

Amphenol RJ45 Stackable

Reduces component and labour costs by incorporating LED's into the connector.

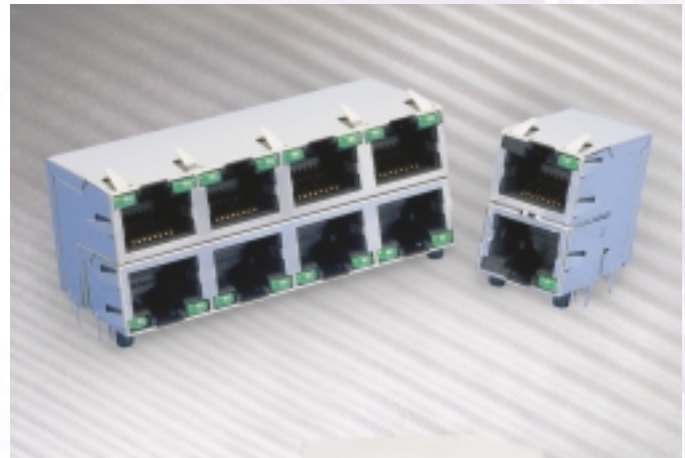
Meets Ethernet CAT 5 Performance

Stackable feature enables more ports with same board space.

For superior EMI performance, the option of configuring your connector with a ferrite filter is available.

Amphenol offers a wide variety of options:

- Ferrite filter
- Shielded & unshielded versions
- Variety of LED combinations
- Variety of ports

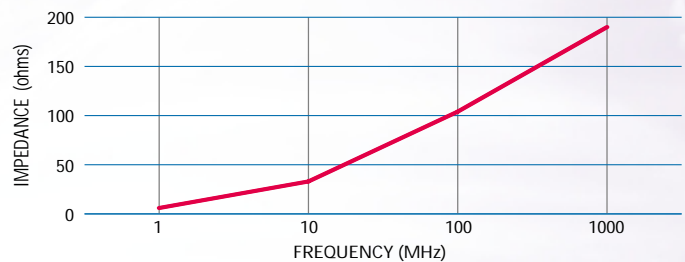


Specifications

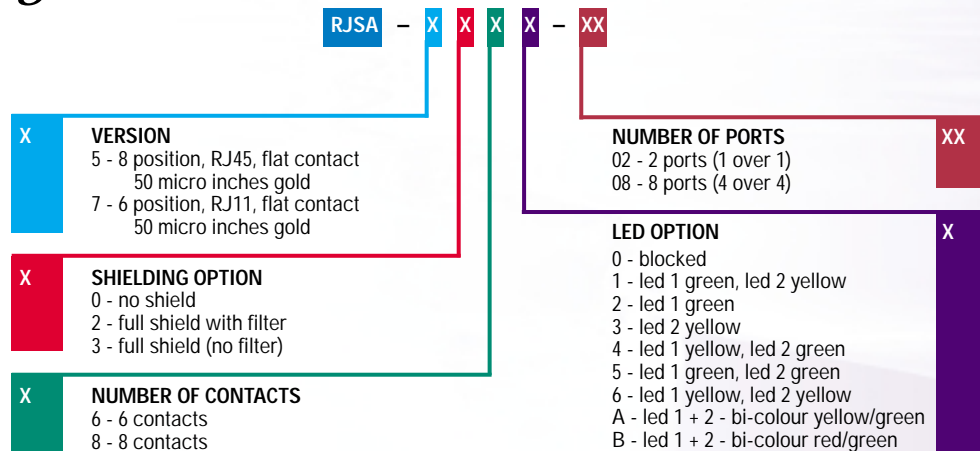
MATERIAL

Please refer to RJHS specifications on page 1.

Impedance Characteristics



Ordering Information



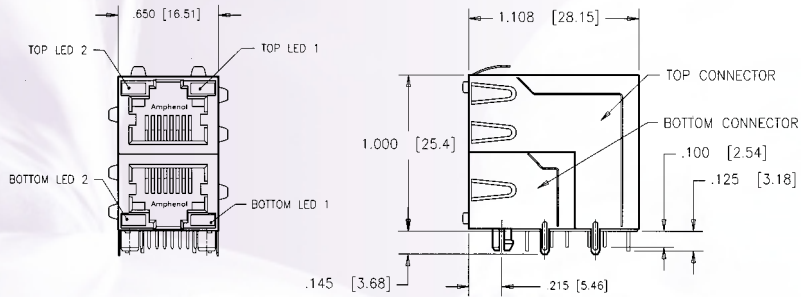
* Filtering available - Please contact Amphenol for more information

** additional LED codes available - see page 2

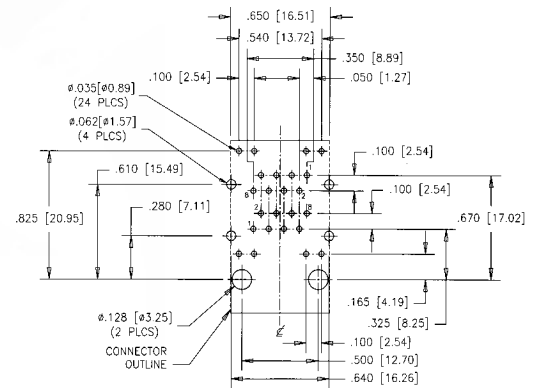
RJA Series

STACKED RJ VISTA™

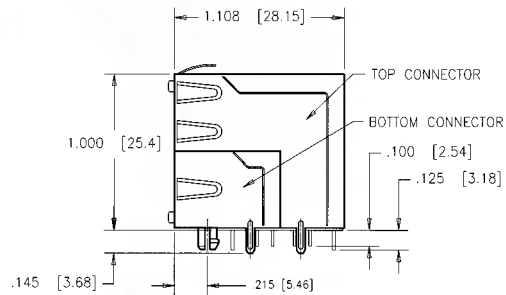
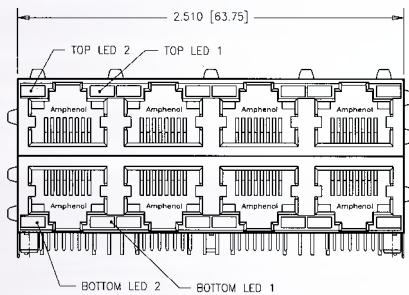
2x1 RJ45/RJ11



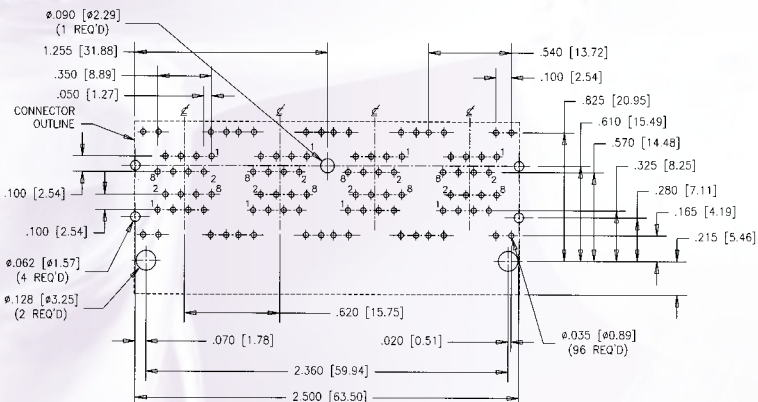
PCB LAYOUT



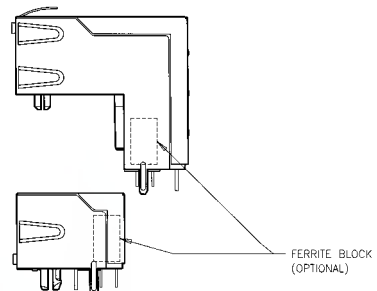
2x4 RJ45/RJ11



PCB LAYOUT



ASSEMBLY



STACKABLE MODULAR JACK ASSEMBLY

RJ over USB reduces space by stacking RJ45 over a USB.

Specific usage for computer motherboards and other applications where space is at a premium.

Amphenol offers a wide variety of options.

- ferrite filter
- shielded and unshielded versions
- variety of LED options

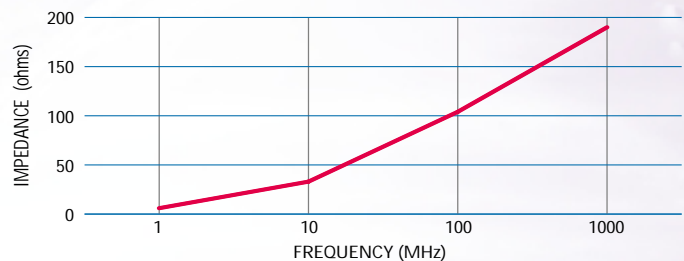


Specifications

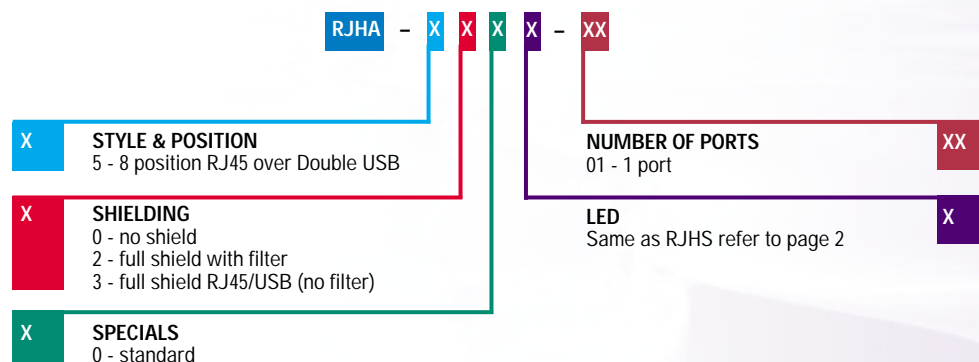
MATERIAL

Please refer to RJHS specifications on page 1.

Impedance Characteristics



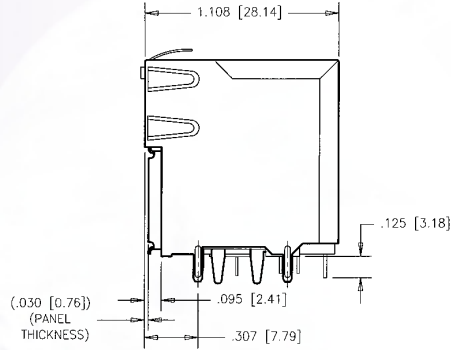
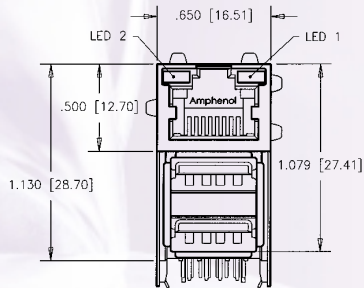
Ordering Information



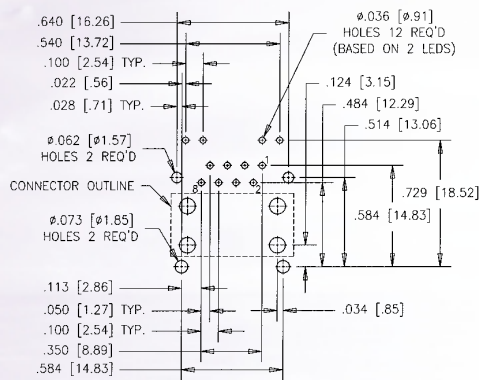
RJHA Series

RJ OVER USB

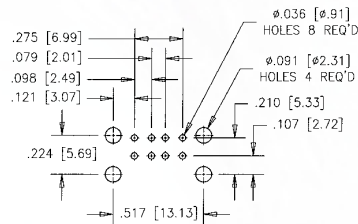
SHIELDED



PCB LAYOUT

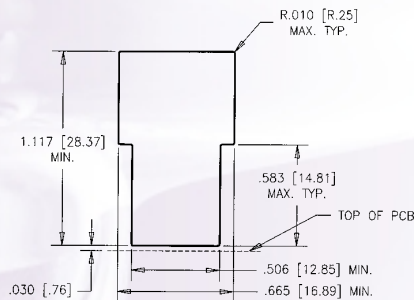


RECOMMENDED PCB LAYOUT



USB PCB LAYOUT

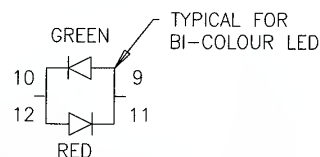
ASSEMBLY



SINGLE COLOUR LEDS



BI-COLOUR LEDS

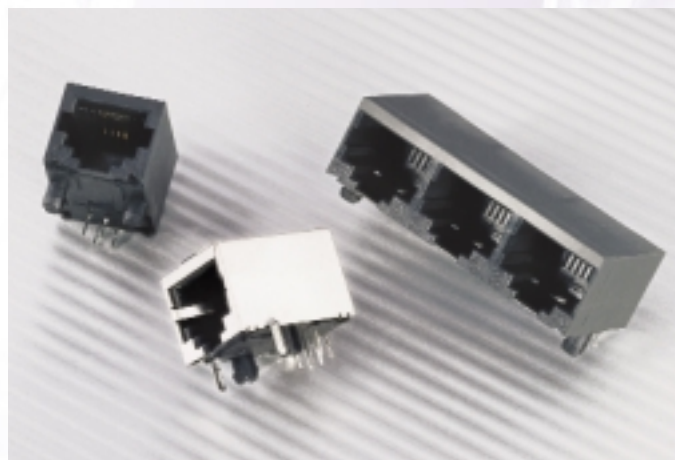


FRJ/FRJA Series

FILTERED & SHIELDED

Modular Jack with Superior EMI Performance

The FRJ and FRJA series of shielded and filtered modular jacks offer low cost and effective EMC control within standard RJ-11 and RJ-45 connector footprints. EMC control is offered by a completely shielded connector and/or with the use of a high resistivity, high impedance ferrite block. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.



Specifications

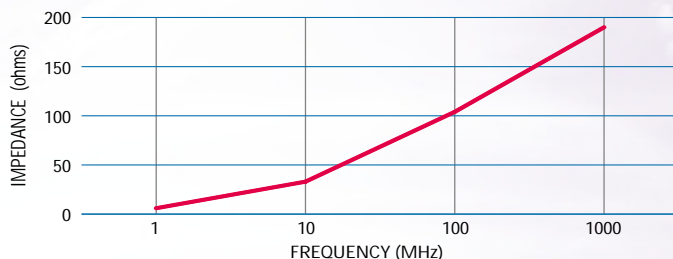
MATERIAL

Shield:	Copper Alloy; Tin/Lead Plated
Contacts:	Phosphor Bronze; Gold over 30µ inches (0.76 microns) over Ni
Insert:	For FRJ, High Temperature Resistant Nylon. For FRJA, Thermoplastic Polyester (Complies with UL 94V-0)
Filter:	High Impedance, High Resistivity, Ferrite Block

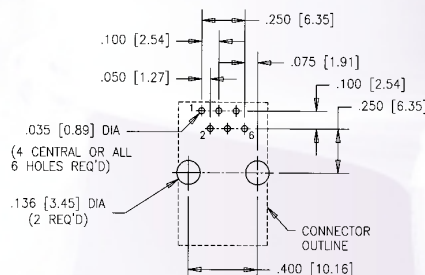
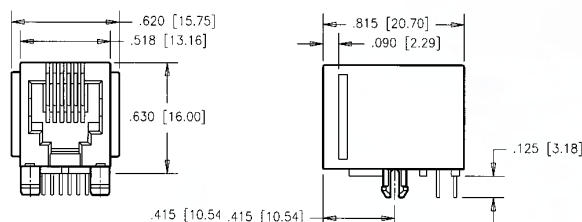
ELECTRICAL

Contact Resistance:	20 Milliohms maximum
Insulation Resistance:	500 Megaohms minimum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
UL File # :	E135615
CSA File #:	LR68598

Impedance Characteristics



6 Position Filtered - High Profile



4 Contacts:

Standard Jack:	FRJ-104
Filtered:	FRJ-144

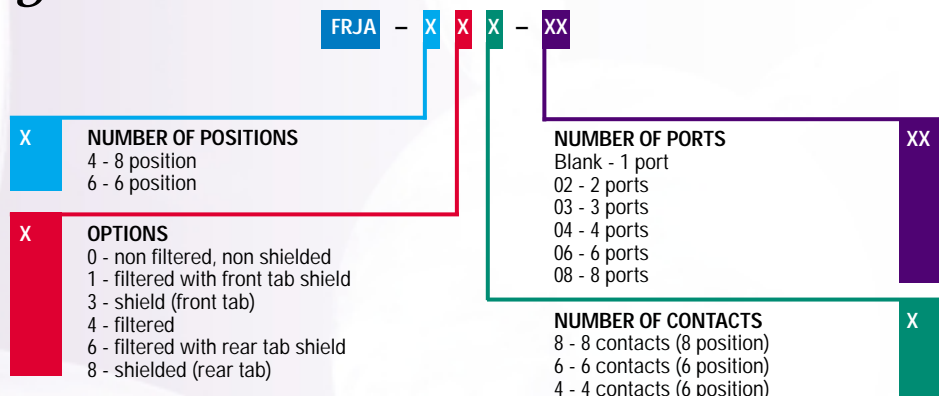
6 Contacts:

Standard Jack:	FRJ-106
Filtered:	FRJ-146

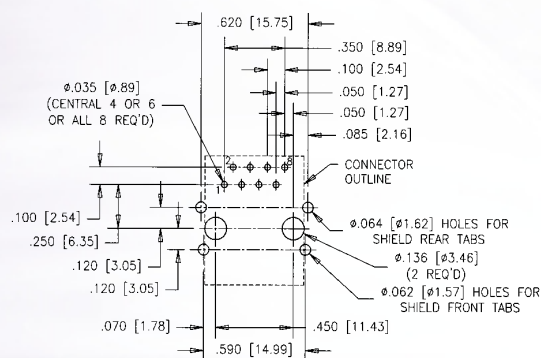
FRJA Series

FILTERED & SHIELDED

Ordering Information

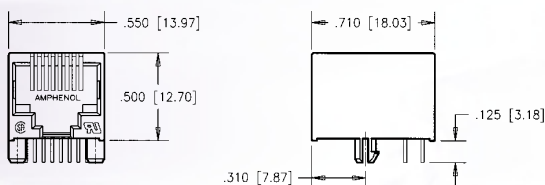


PCB LAYOUT

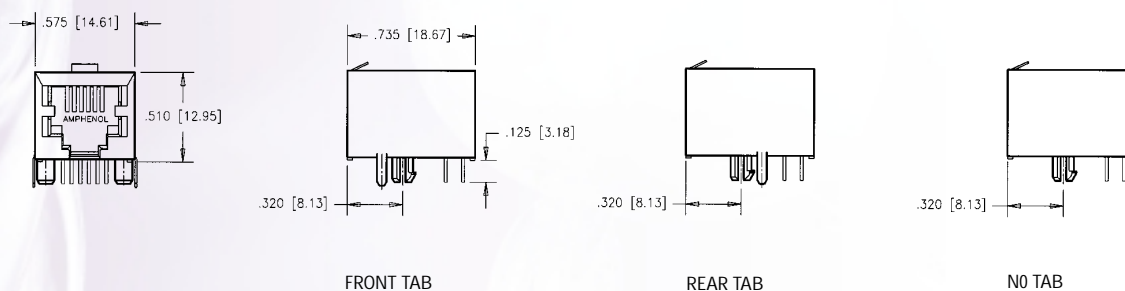


Single Port (8 & 6 position)

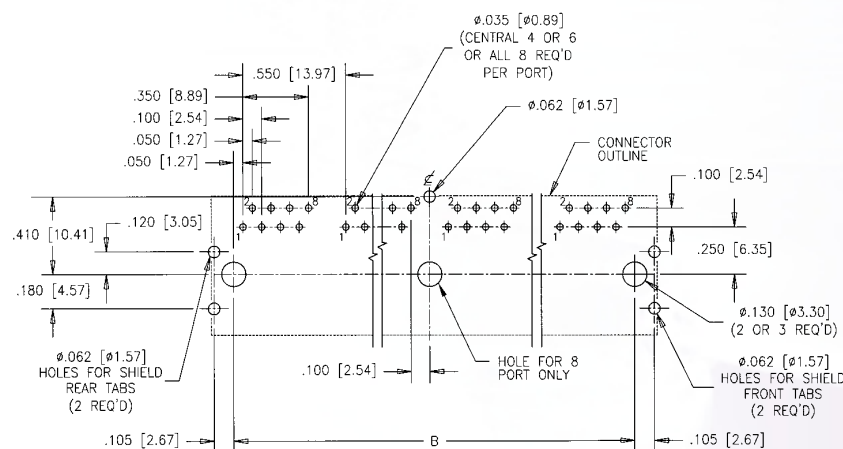
NON-SHIELDED



SHIELDED



NON-SHIELDED

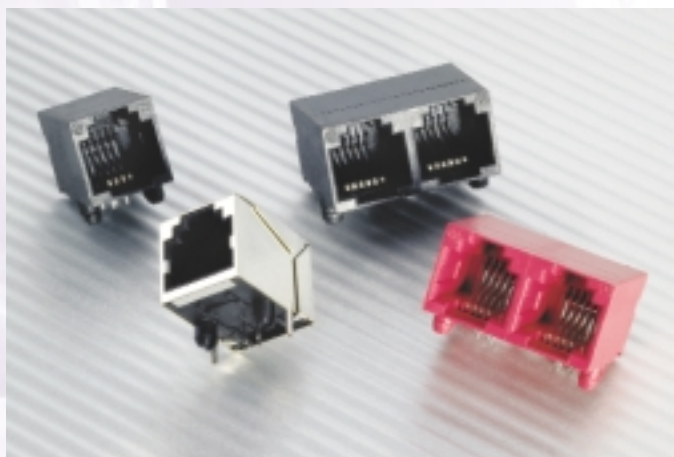


Number of ports	A	B	C
2	1.200[30.48]	1.000[25.40]	1.230[31.24]
4	2.300[58.42]	2.100[53.34]	2.330[59.18]
6	3.400[86.36]	3.200[81.28]	3.430[87.12]
8	4.500[114.30]	4.300[109.22]	4.530[115.06]

RJ01 Series

EMI QUIET - 6 POSITION

MODEM CONNECTORS



Modular Jack with Superior EMI Performance

The RJ01 series of 6-position jacks are designed for superior EMI performance. The inverted connector provides shorter leads, eliminating the EMI antenna effect of the standard connector footprint. Typical performance improvement over their standard connector counterparts is 5-10 dB over the frequency range.

Specifications

MATERIAL

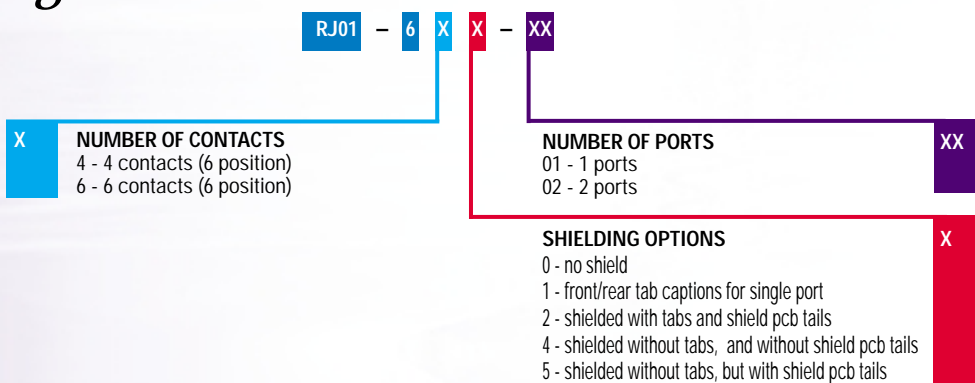
Housing:	High Temperature Resistant Nylon Flammability rating UL94V-0
Contacts:	Phosphor Bronze
Contact Plating:	50 μ inches (1.27 microns) Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails

Shield: Copper Alloy, Tin-Lead Alloy Plated

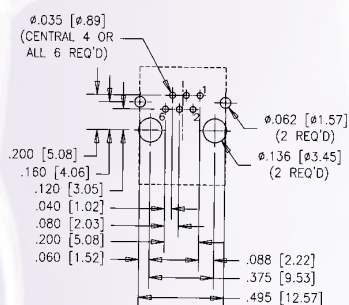
ELECTRICAL

UL#	EI35615
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EN#	60950

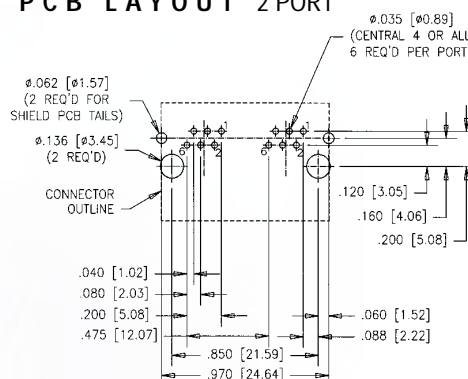
Ordering Information



PCB LAYOUT SINGLE PORT

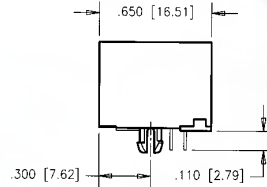
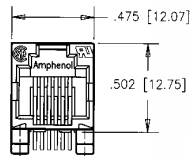


PCB LAYOUT 2 PORT



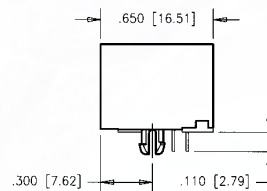
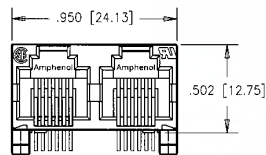
Single Port

NON-SHIELDED



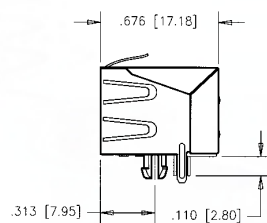
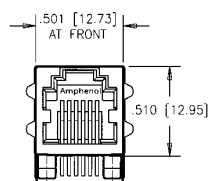
2 Port

NON-SHIELDED



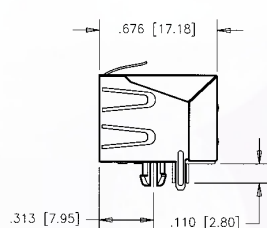
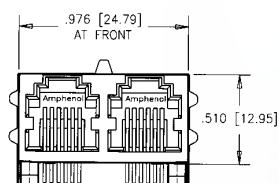
Single Port

SHIELDED



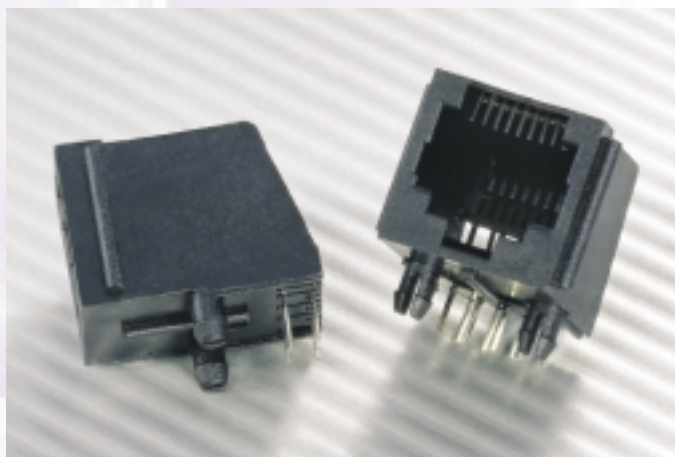
2 Port

SHIELDED



RJA02 Series

HIGH PROFILE - SINGLE PORT



Specifications

MATERIAL

Housing:

High Strength Thermoplastic
Polyester Flammability Rating
UL94V-0

Contacts:

Phosphor Bronze

Contact Plating:

Gold Over Nickel On Mating
Area, Tin-Lead Alloy On Tails

ELECTRICAL

UL File # :

E136228

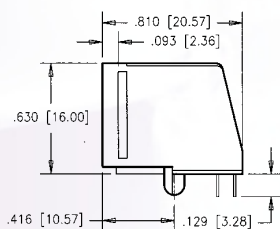
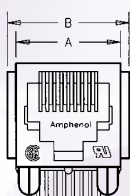
Ordering Information

RJA02 - 1 X X - 0 X X 0

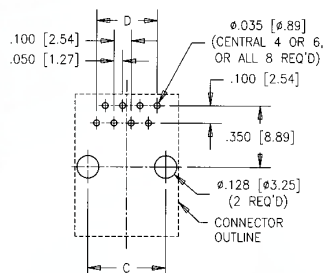
<p>X</p> <p>NUMBER OF POSITIONS 8 - 8 position 6 - 6 position 4 - 4 position</p>	<p>X</p> <p>NUMBER OF CONTACTS 8 - 8 contacts (8 position) 6 - 6 contacts (6 position) 4 - 4 contacts (4 or 6 position)</p>	<p>OPTIONS 1 - without flanged 2 - flanged</p>	<p>X</p> <p>GOLD PLATING 1 - 6 μ inches gold 2 - 15 μ inches gold 3 - 30 μ inches gold 4 - 50 μ inches gold</p>
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Single Port

NON-SHIELDED



PCB LAYOUT



Number of positions	A	B	C	D
4	.440[11.18]	.540[13.72]	.300[7.62]	.150[3.81]
6	.520[13.21]	.620[15.75]	.400[10.16]	.250[6.35]
8	.600[15.24]	.700[17.78]	.450[11.43]	.350[8.89]

RJA03 Series

LOW PROFILE - SINGLE PORT

Material Specifications

PHYSICAL

Housing: High Strength Thermoplastic
Polyester Flammability Rating
UL94V-0

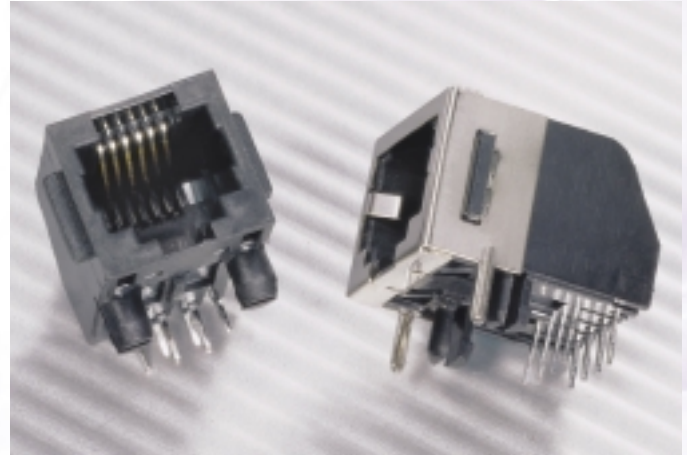
Contacts: Phosphor Bronze

Contact Plating: Gold Over Nickel On Mating
Area, Tin-Lead Alloy On Tails

Shield: Copper Alloy, Tin-Lead Alloy
Plated

ELECTRICAL

UL File #: E136228

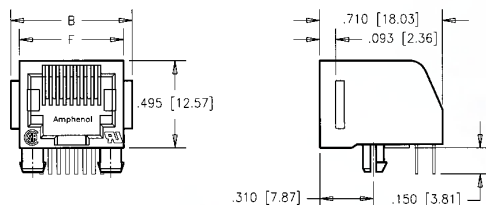


Ordering Information

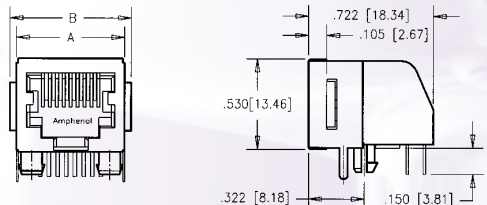
RJA03	-	1	X	X	-	X	X	X	0
X	NUMBER OF POSITIONS								
	8 - 8 position								
	6 - 6 position								
X	NUMBER OF CONTACTS								
	8 - 8 contacts (8 position)								
	6 - 6 contacts (6 position)								
	4 - 4 contacts (4 or 6 position)								
	OPTIONS							X	
	1 - without flanged								
	2 - flanged								
	GOLD PLATING							X	
	1 - 6 μ inches gold								
	2 - 15 μ inches gold								
	3 - 30 μ inches gold								
	4 - 50 μ inches gold								
	SHIELDING							X	
	0 - no shield								
	2 - partial shield (must have flange)								

Single Port (8 & 6 Position)

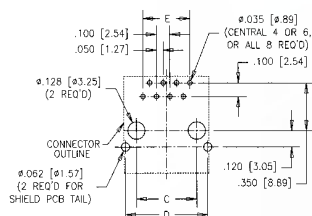
NON-SHIELDED



PARTIAL SHIELD



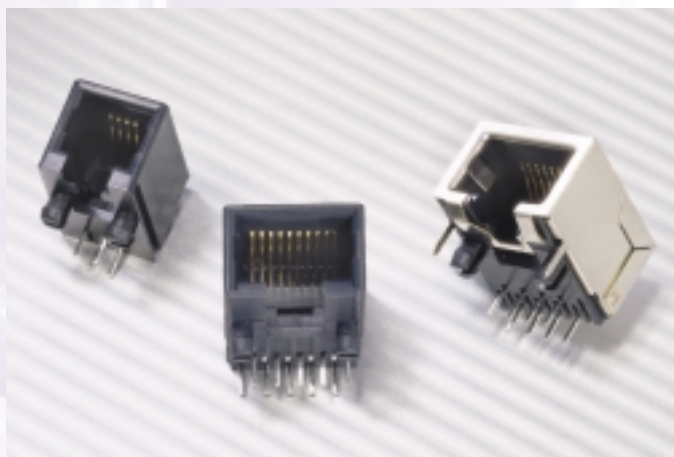
PCB LAYOUT



Number of positions	Number of contacts	A	B	C	D	E	F
6	4	.544 [13.83]	.620 [15.75]	.400 [10.16]	.533 [13.54]	.150 [3.81]	.520 [13.21]
6	6	.544 [13.21]	.620 [15.75]	.400 [10.16]	.533 [13.54]	.250 [6.35]	.520 [13.21]
8	8	.624 [15.24]	.700 [17.78]	.450 [11.43]	.613 [15.57]	.350 [8.89]	.600 [15.24]

RJA05 Series

ULTRA LOW PROFILE - SINGLE PORT



Material Specifications

PHYSICAL

Housing:	High Strength Thermoplastic Polyester Flammability Rating UL94V-0
Contacts:	Phosphor Bronze
Contact Plating:	Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails
Shield:	Copper Alloy, Tin-Lead Alloy Plated

ELECTRICAL

UL File # :	E136228
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Ordering Information

RJA05 - 1 X X - X X 1 0

X

NUMBER OF POSITIONS

- A - 10 position
- 8 - 8 position
- 6 - 6 position
- 4 - 4 position

X

NUMBER OF CONTACTS

- A - 10 contacts (10 position)
- 8 - 8 contacts (8 position)
- 6 - 6 contacts (6 position)
- 4 - 4 contacts (4 or 6 position)

GOLD PLATING

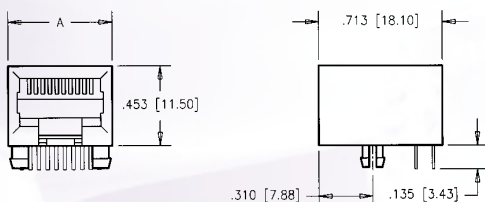
- 1 - 6 μ inches gold (0.15 microns)
- 2 - 15 μ inches gold (0.38 microns)
- 3 - 30 μ inches gold (0.76 microns)
- 4 - 50 μ inches gold (1.27 microns)

SHIELDING

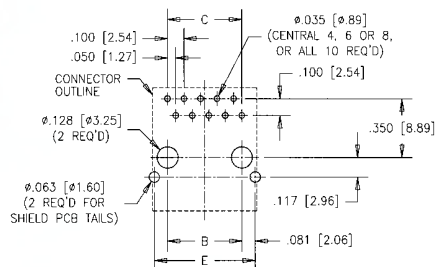
- 0 - no shield
- 1 - full shield

Single Port

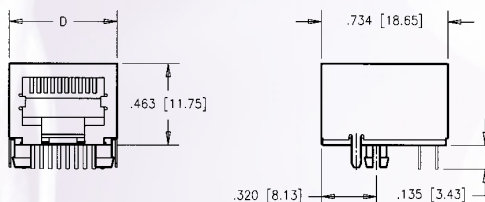
NON-SHIELDED



PCB LAYOUT



SHIELDED



Number of positions	A	B	C	D	E
2	.440[11.18]	.300[7.62]	.150[3.81]		
4	.520[13.21]	.400[10.16]	.250[6.35]		
6	.600[15.24]	.450[11.43]	.350[8.89]	.620[15.74]	.612[15.54]
8	.600[15.24]	.450[11.43]	.450[11.43]	.620[15.74]	.612[15.54]

RJA09 Series

FULLY SHIELDED - SINGLE & MULTI PORT

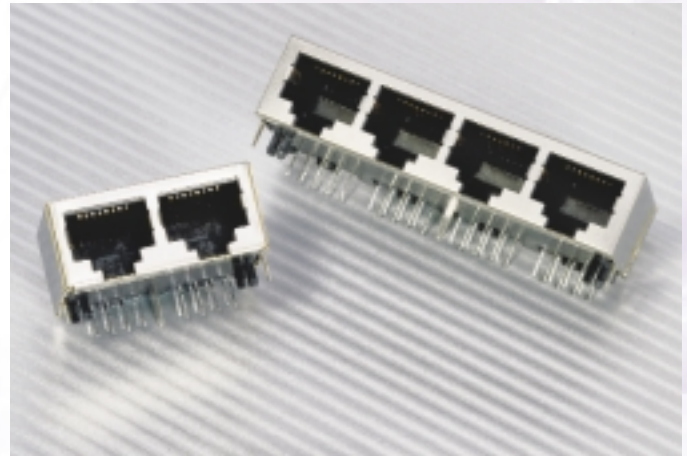
Specifications

MATERIAL

Housing:	High Strength Thermoplastic Polyester Flammability Rating UL94V-0
Contacts:	Phosphor Bronze
Contact Plating:	Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails
Shield:	Copper Alloy, Tin Plated

ELECTRICAL

UL File # :	E136228
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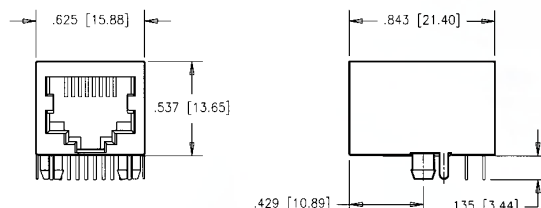


Ordering Information

RJA09	-	XXX	-	1	X	1	0
XXX	NUMBER OF POSITIONS				GOLD PLATING		
	188 - 1 port, 8 position				1 - 6 μ inches gold		
	1AA - 1 port, 10 position				2 - 15 μ inches gold		
	288 - 2 port, 8 position				3 - 30 μ inches gold		
	488 - 4 port, 8 position				4 - 50 μ inches gold		
	688 - 6 port, 8 position						
	888 - 8 port, 8 position						
	A88 - 10 port, 8 position						
	B88 - 12 port, 8 position						

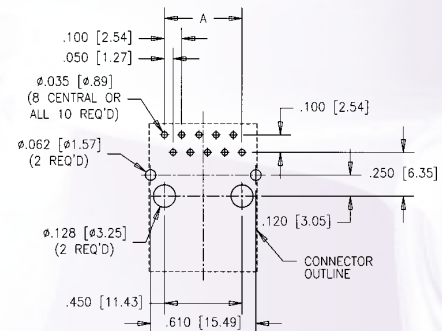
Single Port (8 & 10 position)

NON-SHIELDED



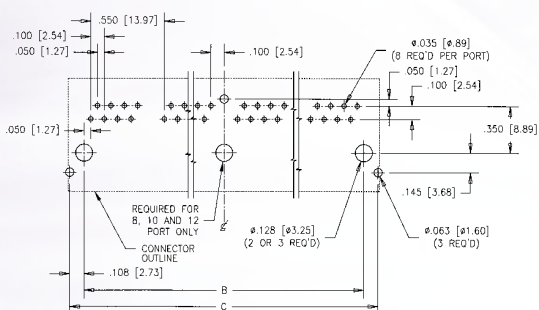
Number of positions	A
8	.350 [8.89]
10	.450 [11.43]

PCB LAYOUT



FULLY SHIELDED - SINGLE & MULTI PORT

NON-SHIELDED



Number of ports	A	B	C
2	1.225[31.12]	1.000[25.40]	1.215[30.87]
4	2.324[59.03]	2.100[53.34]	2.315[58.81]
6	3.425[87.00]	3.200[81.28]	3.415[86.75]
8	4.525[114.94]	4.300[109.22]	4.515[114.69]
10	5.625[142.88]	5.400[137.16]	5.615[142.63]
12	6.725[170.82]	6.500[165.10]	6.715[170.57]

RJA06 Series

TOP ENTRY - SLIM PROFILE

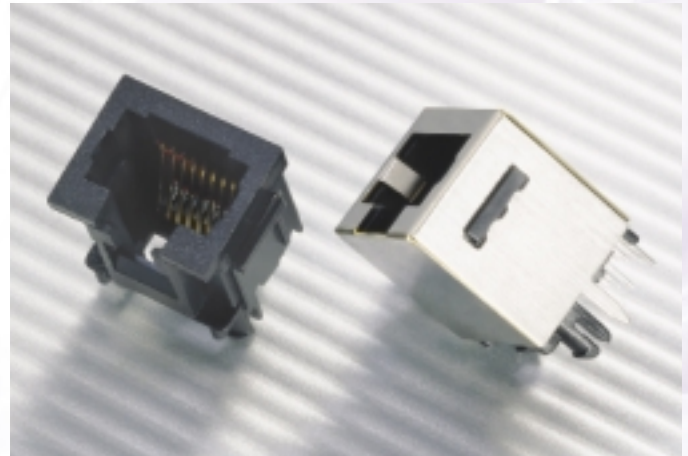
Specifications

MATERIAL

Housing:	High Strength Thermoplastic Polyester Flammability Rating UL94V-0
Contacts:	Phosphor Bronze
Contact Plating:	Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails
Shield:	Copper Alloy, Tin-Lead Alloy Plated

ELECTRICAL

UL File # :	E136228
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Ordering Information

RJA06 - 188 - X X X 0

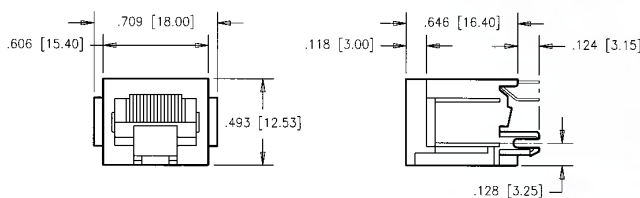
X SHIELDING OPTION
0 - no shield
1 - full shield

OPTIONS
1 - without flanged
2 - flanged

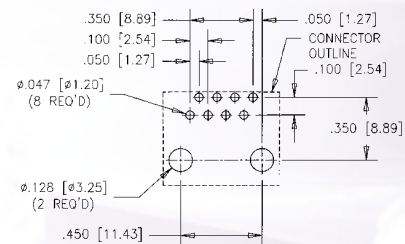
GOLD PLATING
1 - 6 μ inches gold (0.15 microns)
2 - 15 μ inches gold (0.38 microns)
3 - 30 μ inches gold (0.76 microns)
4 - 50 μ inches gold (1.27 microns)

Single Port

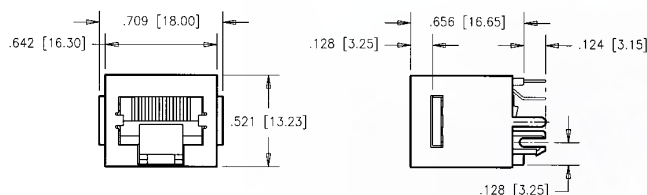
NON-SHIELDED



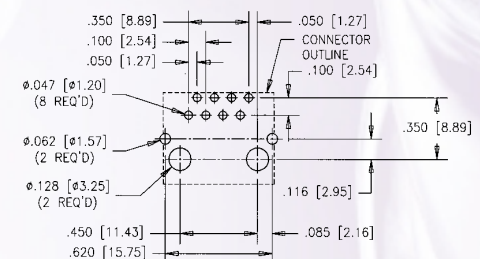
PCB LAYOUT



SHIELDED

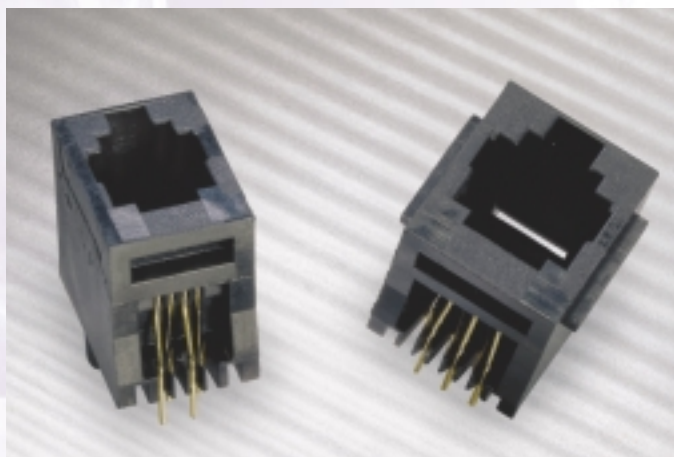


PCB LAYOUT



RJA08 Series

TOP ENTRY



Specifications

MATERIAL

Housing:

High Strength Thermoplastic
Polyester Flammability Rating
UL94V-0

Contacts:

Phosphor Bronze

Contact Plating:

Gold Over Nickel On Mating Area,
Tin-Lead Alloy On Tails

ELECTRICAL

UL File # :

E136228

Ordering Information

RJA08 - 1 X X - 0 X X 0

X

NUMBER OF POSITIONS

A - 10 position
8 - 8 position
6 - 6 position
4 - 4 position

X

NUMBER OF CONTACTS

A - 10 contacts (10 position)
8 - 8 contacts (8 position)
6 - 6 contacts (6 position)
4 - 4 contacts (4 or 6 position)

OPTIONS

1 - without flange
2 - flanged

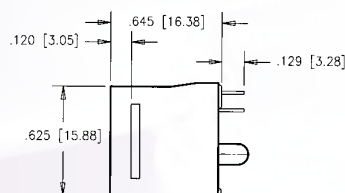
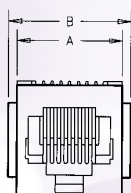
X

GOLD PLATING

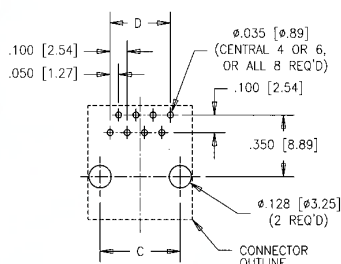
1 - 6 μ inches gold (0.15 microns)
2 - 15 μ inches gold (0.38 microns)
3 - 30 μ inches gold (0.76 microns)
4 - 50 μ inches gold (1.27 microns)

X

NON-SHIELDED



PCB LAYOUT



Number of positions	A	B	C	D
4	.450 [11.43]	.550 [13.97]	.300 [7.62]	.150 [3.81]
6	.530 [13.46]	.630 [16.00]	.400 [10.16]	.250 [6.35]
8	.605 [15.36]	.702 [17.84]	.465 [11.80]	.350 [8.89]

RJA07 Series

SURFACE MOUNT - SINGLE PORT

Specifications

MATERIAL

Housing: High Temperature Resistant Nylon
Flammability Rating UL94V-0

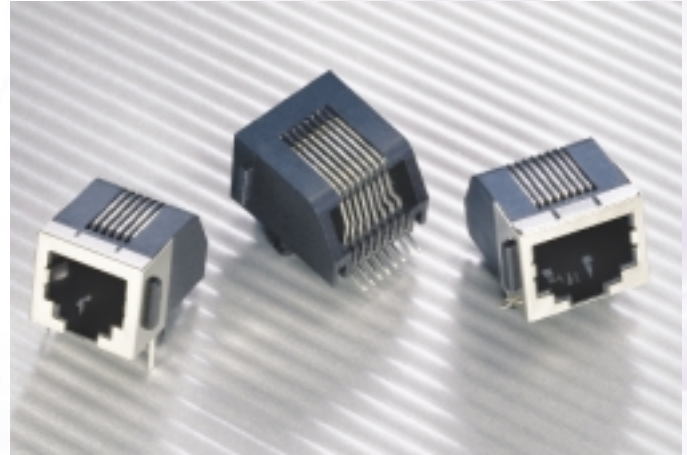
Contacts: Phosphor Bronze

Contact Plating: Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails

Shield: Copper Alloy, Tin-Lead Alloy Plated

ELECTRICAL

UL File #: E136228



Ordering Information

RJA07 - 1 X X - X X X 0

X NUMBER OF POSITIONS
8 - 8 position
6 - 6 position

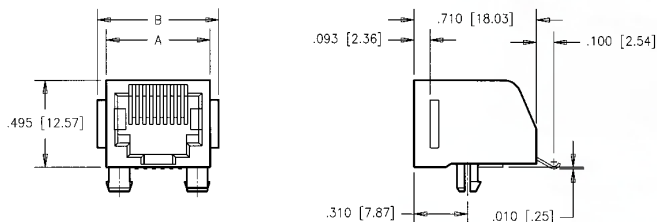
X NUMBER OF CONTACTS
8 - 8 contacts (8 position)
6 - 6 contacts (6 position)
4 - 4 contacts (6 position)

OPTIONS
1 - without flanged
2 - flanged (must be flanged for 'shield' option)

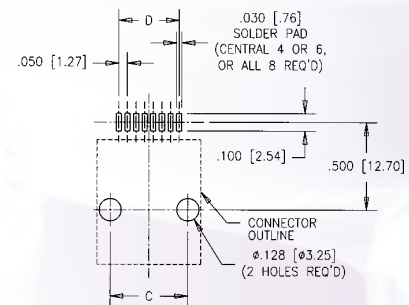
GOLD PLATING
1 - 6 μ inches gold (0.15 microns)
2 - 15 μ inches gold (0.38 microns)
3 - 30 μ inches gold (0.76 microns)
4 - 50 μ inches gold (1.27 microns)

SHIELDING
0 - no shield
2 - through hole shield
3 - surface mount shield

NON-SHIELDED



PCB LAYOUT



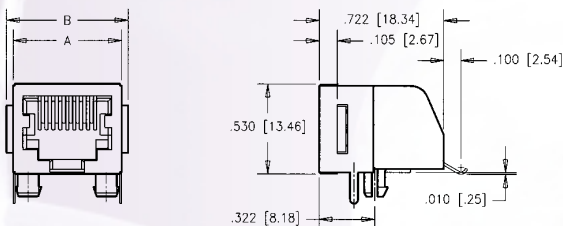
Number of positions	Number of contacts	A	B	C	D
6	4	.520 [13.21]	.620 [15.75]	.400 [10.16]	.150 [3.81]
6	6	.520 [13.21]	.620 [15.75]	.400 [10.16]	.250 [6.35]
8	8	.600 [15.24]	.700 [17.78]	.450 [11.43]	.350 [8.89]

RJA07 Series

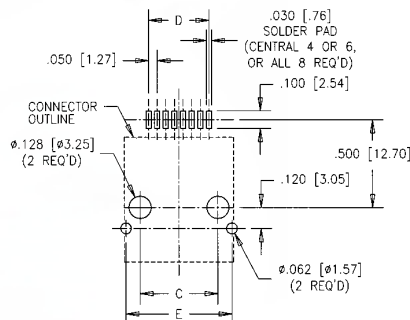
SURFACE MOUNT - SINGLE PORT

Through Hole Shield

PARTIALY SHIELDED



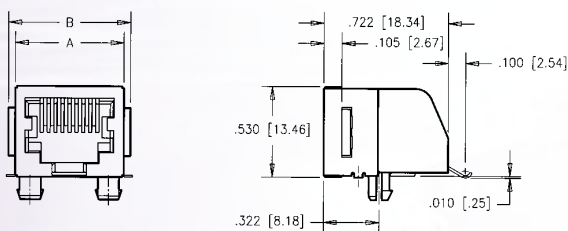
PCB LAYOUT



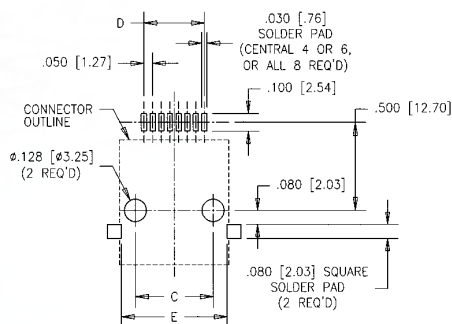
Number of positions	Number of contacts	A	B	C	D	E
6	4	.544 [13.83]	.620 [15.75]	.400 [10.16]	.150 [3.81]	.533 [13.54]
6	6	.544 [13.21]	.620 [15.75]	.400 [10.16]	.250 [6.35]	.533 [13.54]
8	8	.624 [15.24]	.700 [17.78]	.450 [11.43]	.350 [8.89]	.613 [15.57]

Surface Mount Shield

PARTIALY SHIELDED



PCB LAYOUT



Number of positions	Number of contacts	A	B	C	D	E
6	4	.544 [13.83]	.620 [15.75]	.400 [10.16]	.150 [3.81]	.533 [13.54]
6	6	.544 [13.21]	.620 [15.75]	.400 [10.16]	.250 [6.35]	.533 [13.54]
8	8	.624 [15.24]	.700 [17.78]	.450 [11.43]	.350 [8.89]	.613 [15.57]

RJA15 Series

ULTRA LOW PROFILE - SMT SINGLE PORT

Specifications

MATERIAL

Housing: High Temperature Resistant Nylon
Flammability Rating UL94V-0

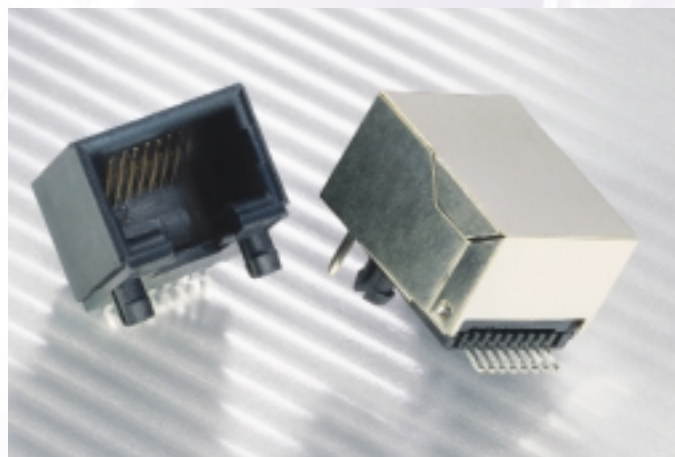
Contacts: Phosphor Bronze

Contact Plating: Gold Over Nickel On Mating Area, Tin-Lead Alloy On Tails

Shield: Copper Alloy, Tin-Lead Alloy Plated

ELECTRICAL

UL File #: TBD



Ordering Information

RJA15 - 1 X X - X X 1 0

X

NUMBER OF POSITIONS

A - 10 position
8 - 8 position
6 - 6 position
4 - 4 position

X

NUMBER OF CONTACTS

A - 10 contacts (10 position)
8 - 8 contacts (8 position)
6 - 6 contacts (6 position)
4 - 4 contacts (4 or 6 position)

GOLD PLATING

1 - 6 μ inches gold (0.15 microns)
2 - 15 μ inches gold (0.38 microns)
3 - 30 μ inches gold (0.76 microns)
4 - 50 μ inches gold (1.27 microns)

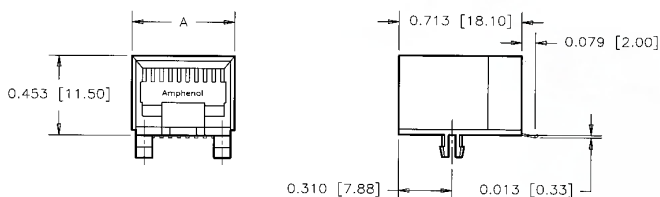
X

SHIELDING OPTION

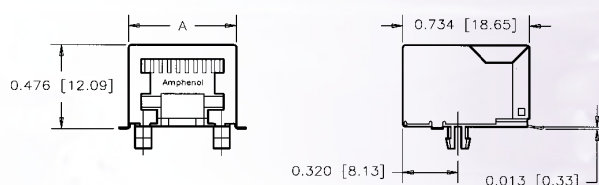
0 - non-shielded
1 - shielded

X

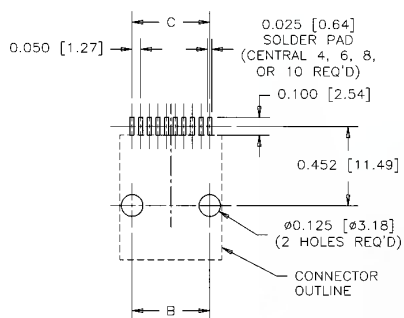
NON-SHIELDED



SHIELDED



PCB LAYOUT



Number of positions	Unshielded A	Shielded A	B	C
4	.441 [11.21]	.469 [11.92]	.300 [7.62]	.150 [3.81]
6	.510 [12.96]	.538 [13.67]	.400 [10.16]	.250 [6.35]
8	.592 [15.03]	.620 [15.74]	.450 [11.43]	.350 [8.89]
10	.592 [15.03]	.620 [15.74]	.450 [11.43]	.450 [11.43]



Amphenol