

## Amphe-Dante Adapters

**Amphe-Dante** are Dante™ audio to analogue audio adapters, available for Input, Output, AES3 and USB applications. Featuring premium quality Amphenol AX series XLR and RJ45 connectors in a robust molded housing.

Amphe-Dante products enable simple connection of analogue equipment to a Dante network and can receive and transmit audio channels from a Dante network and provide studio-quality, low-latency audio via XLR connectors to and from analogue audio equipment.



Amphe-Dante feature high-quality digital-to-analogue converters, and support a range of sample rates and bit depths. They can provide a hardware master clock for a Dante network. As with other Dante products, the freely available Dante Controller software application is used to automatically discover and configure Amphe-Dante devices connected to the Dante network. Device names, channel labels, signal routing and other parameters (for example, sample rate and latency) can be configured via the network using Dante Controller. A variety of network and clock synchronisation diagnostic tools are also available in Dante Controller.

Amphe-Dante products use Power over Ethernet (PoE). Power can be provided through the Ethernet cable from a PoE-capable network switch, or from a separate PoE injector.

### Available Software Options (required)

#### Dante Controller

Dante Controller is a free software application that enables you to route audio and configure devices on a Dante network. As well as automatic device discovery, one-click signal routing and user-editable device and channel labels, Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability stats, multicast bandwidth usage, and customized event logging, enabling you to quickly identify and resolve any potential network issues.

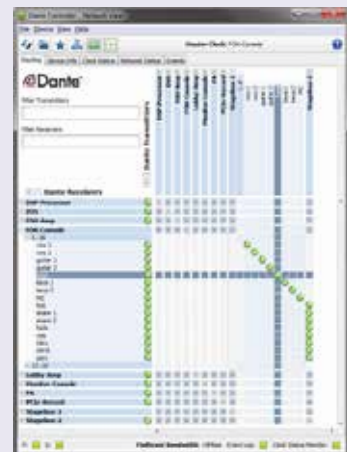
#### Dante Via

Dante Via is powerful and easy-to-use software that delivers unprecedented routing of computer-based audio, allowing a wide range of applications and devices to be networked and interconnected, easily and inexpensively. Dante Via network-enables locally-connected USB and Firewire devices, and a huge range of software applications, allowing you to route computer-based audio across an existing Dante network, and create standalone Dante networks without dedicated Dante hardware.

#### Dante Virtual Soundcard

Dante Virtual Soundcard turns your computer into a Dante-powered workstation, seamlessly integrating your PC or Mac with Dante audio devices on your network. You can instantly connect to a Dante network to record, process and playout using any audio application and any combination of Dante-enabled devices.

#### Dante Controller



All software can be purchased and downloaded at [amphenolaudio.com/products/dante](http://amphenolaudio.com/products/dante)

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# Data Connectors

## Amphe-Dante Adapters



### Features:

- Dante™ to analogue XLR output adapters
- Line level analogue input to Dante™ audio output adapters
- Dante™ AES3 2 channel input/output adapters
- Dante™ USB input/output adapters
- One channel or Two channel analogue input or output
- Durable overmolded housing
- Resilient cable strain relief
- Shielded RJ45 metal connectors with integrated LED's
- Premium AX Series XLR connectors

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	PART NO.
<b>ANALOGUE OUTPUT</b>			
		Analogue Output - 1 channel, RJ45 input to XLR output, Durable overmolded housing  	RJD1112-0050
		Analogue Output - 2 channel, RJ45 input to XLR output, Durable overmolded housing  	RJD1212-0050
<b>ANALOGUE INPUT</b>			
		Analogue line level Input - 1 channel XLR input to RJ45 output, Durable overmolded housing  	RJD2103-0050
		Analogue line level Input - 2 channel XLR input to RJ45 output, Durable overmolded housing  	RJD2203-0050
<b>AES3</b>			
		AES3 Input / Output - 2 channel XLR I/O to RJ45 I/O, Durable overmolded housing  	RJD32A3-0050
<b>USB</b>			
		USB Input / Output - 2 channel USB I/O to RJ45 I/O Durable overmolded housing  	RJD32U1-0050

# SPECIFICATIONS

		ANALOG INPUT 1CH	ANALOG INPUT 2CH	ANALOG OUTPUT 1CH	ANALOG OUTPUT 2CH	AES3 I/O 2 IN 2 OUT	USB I/O 2 IN 2 OUT	
<b>GENERAL</b>	Connectors	1 XLR-F	2 XLR-F	RJ45	RJ45	RJ45	RJ45	
		RJ45	RJ45	1 XLR-M	2 XLR-M	1 XLR-M, 1 XLR-F	USB 2.0 Type A	
<b>ELECTRICAL</b>	Power Consumption	< 2 Watt						
	Power over Ethernet (Required)	Class 1 IEEE 802.3af POE PD compliant						PoE or USB
<b>ANALOG / DIGITAL AUDIO</b>	Max Signal Level (Balanced)	+24dBu / +4dBu / 0dBu / 0dBV / -10dBV		+18dBu / +4dBu / 0dBu / 0dBV / -10dBV		-	-	
	Impedance	20k Ohm balanced 10k Ohm unbalanced		150 Ohm balanced 75 Ohm unbalanced		110 Ohm balanced	-	
	Frequency Response	20Hz to 20 kHz (+/-0.5db)		20Hz to 20 kHz (+/-0.5db)		-	-	
	Dynamic Range	> 100dB		> 100dB		-	-	
	Signal to Noise	> 100dB		> 100dB		> 135dB	-	
	Total Harmonic Distortion	< 0.01% at +4dBu		< 0.01% at +4dBu		-	-	
	Channel Separation	N/A	> 100 dB	N/A	> 100 dB		-	
	Channel Matching	N/A	< 0.25 dB	N/A	< 0.25 dB		-	
<b>DANTE® AUDIO</b>	Asynchronous Sample Rate Conversion	-		-		Yes	-	
	Sample Rate	44.1 kHz, 48 kHz (default), and 96 kHz						48 kHz
	Bit Depth	24 bits						
	Network Speed	100 Mbps						
	Network Interface	Latency from 1ms						
	Network Transport	Dante Audio over IP, AES67 RTP						
<b>CLIMATIC</b>	Protection Class	IP40						
	Operating Temperature	-5°C to +60°C (23°F to +140°F)						
<b>MECHANICAL</b>	Insertion and Withdrawal Force	≥10N - ≤35N						
	Weight	136g (0.299lb)	192g (0.423lb)	136g (0.299lb)	192g (0.423lb)	192g (0.423lb)	110g (0.243lb)	
<b>MATERIALS</b>	Housing	PVC 60P Black						

Rev 4 - 08/2018

## LED STATUS

LEFT LED      RIGHT LED



FUNCTION	LEFT LED	RIGHT LED	COMMENT
Off	OFF	OFF	No Power
Device is booting	Solid GREEN	Solid RED	
Slave with sync	Blinking GREEN	Solid GREEN	Normal operation
Clock Master	Blinking GREEN	Blinking GREEN	Normal operation
Any runtime error	Blinking GREEN	Blinking RED	Normal operation
Identify	Alternating RED and GREEN	Alternating RED and GREEN	Blinking for 6 seconds (cycle every 0.5 seconds)
Failsafe (bootloader)	Blinking RED	Blinking RED	Failsafe, Corrupt Capability (red in DC)
Upgrade (bootloader)	Blinking ORANGE	Blinking ORANGE	Device is upgrading

# Data Connectors

## XLRnet RJ45 Ethernet Series



# XLRnet Connectors

XLRnet was designed in conjunction with the Amphenol Data / Telecom product group of Amphenol Canada Corp., a subsidiary of Amphenol Corporation. Utilising our combined expertise and knowledge of the professional audio and high-speed data markets we are proud to offer the XLRnet series. Featuring Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance in A, B or D shell housings with integrated LED's and complete shielding options we have your high-speed data requirements covered.

### Features

- Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance
- A, B or D type chassis housings
- IDC or IDC 110 punch down terminals
- RJ45 feedthrough panel connectors
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Compact design
- Cable plug housings
- Quick and simple installation

### Options

- Horizontal or Vertical PCB contacts
- Bulk Packaging
- LED colour - Red, Green, Yellow or Blue combinations

### Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

### Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.



## XLRnet SERIES

**Features/Benefits:**

- XLR RJ45 Cable plug housing.
- Designed for pre-assembled RJ45 cables.
- Quick and simple installation.
- Cost effective method for harsh environments.
- No cabling in field required.
- No tools required for installation.
- Available in Nickel or Black housings.
- Coloured boots / Backshells

**Specifications: Page 80**

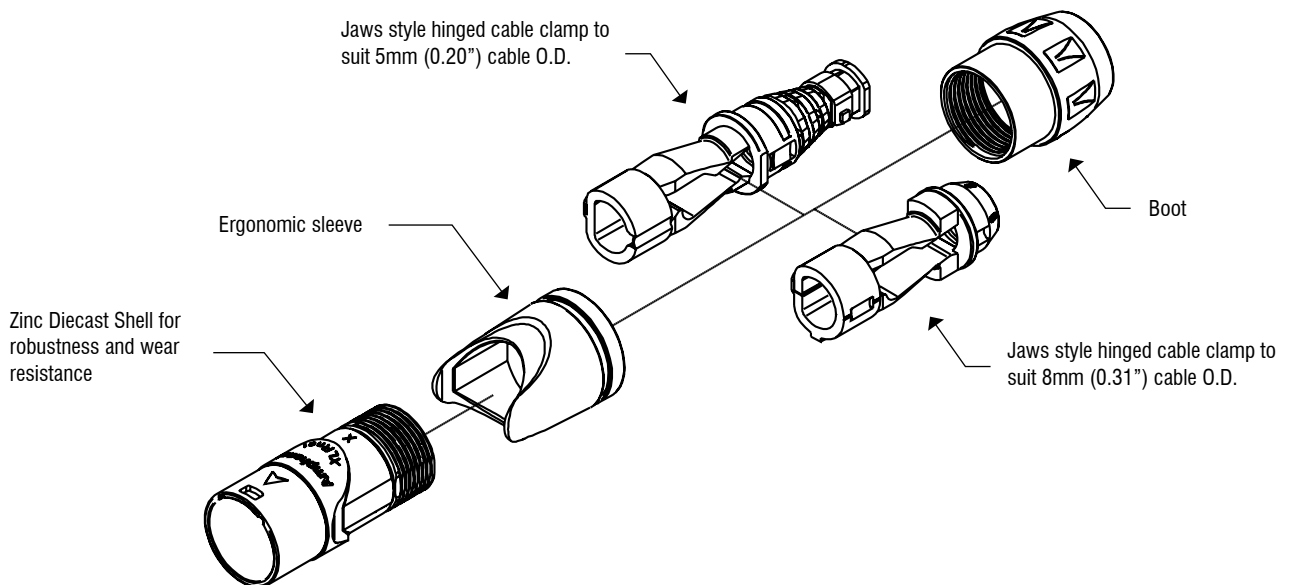
**Part Number Breakdown : Page 80**

**Assembly Instructions: Page 81**

**NOTE\***RJ45 preassembled cable sold separately and is not included with the XLRnet connector.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLRnet, XLR cable plug housing to suit pre-assembled RJ45 cables, Nickel Finish	Standard	RJX8M
				Bulk Pack	RJX8M BULK
			XLRnet, XLR cable plug housing to suit pre-assembled RJ45 cables, Black Finish	Standard	RJX8MB
				Bulk Pack	RJX8MB BULK

## ISO VIEW OF RJX8M

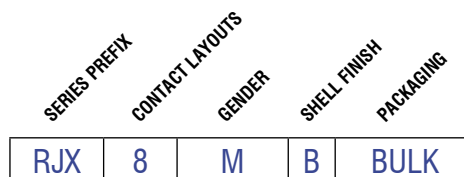


# Data Connectors

XLRnet RJ45 Ethernet Series

## PART NUMBER BREAKDOWN

XLRnet SERIES



E. G. **RJX8MB BULK**  
**RJX** (Series Prefix), **8** contacts, **M** (Cable Connector), **B** (Black Finish),  
**Bulk** Packaged

<b>SERIES PREFIX</b>	RJX	=	Series Prefix
<b>CONTACT LAYOUT</b>	8	=	RJ45 Cable Housing
<b>GENDER</b>	M	=	Male Cable Plug
<b>SHELL FINISH</b>	Blank	=	Nickel Plated Finish
	B	=	Metal - Black Finish
<b>PACKAGING</b>	Blank	=	Individual Bags
	BULK	=	Bulk Packed

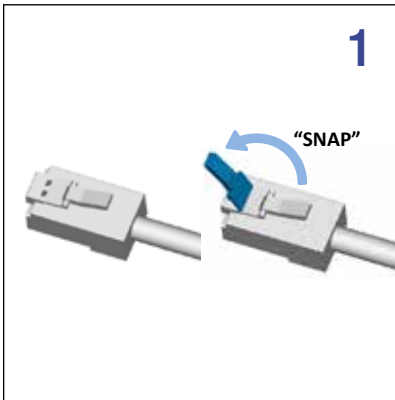
## STANDARD DATA XLRnet SERIES

		VALUE
<b>GENERAL CHARACTERISTICS</b>	Termination	Preassembled RJ45 Cable (Not supplied)
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP40
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)
<b>MECHANICAL CHARACTERISTICS</b>	Insertion and Withdrawal force	≥ 10N - ≤ 20N
	Weight <sup>2)</sup>	26g (0.057lb)
	Cable O.D. range	5 or 8mm (0.20" or 0.31")
	Mechanical Operations	1000 mating cycles
<b>MATERIALS</b>	Connector shell - Metal Shell finish	Diecast Zinc Alloy Satin nickel or Black
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Valox Black
	Cable clamp	PA6
	Sleeve	Valox

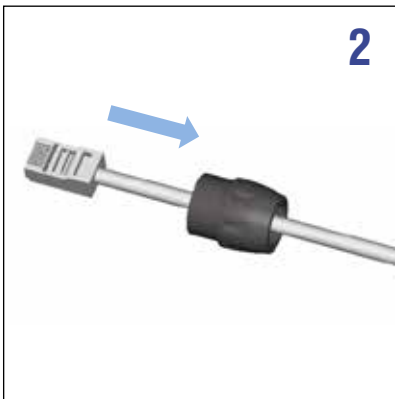
<sup>2)</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

Rev 1 - 03/2013

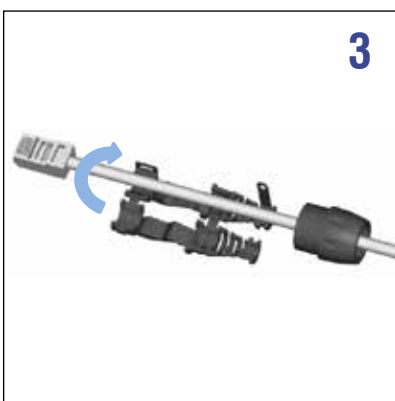
# XLRnet SERIES CABLE ASSEMBLY INSTRUCTIONS



△ Snap or cut off release tab of the RJ45 plug.  
Failure to remove the RJ45's Release Tab will make the XLRnet assembly permanently latching. The XLRnet series has an independent panel side latching system.



Slide the nut (backshell) onto the cable.



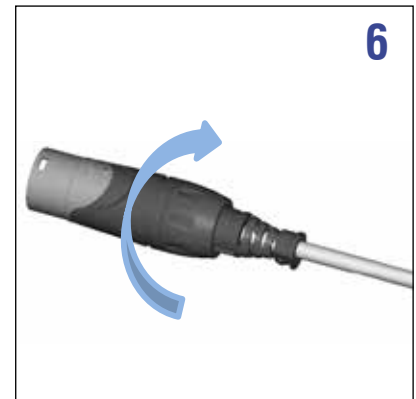
Install the cable clamp-boot.



Close clamp-boot, fasten the two tabs together to lock.



Push clamp-boot & cable together into the shell



Thread the nut (backshell) onto the shell (torque 0.8Nm-1.2Nm) to close the connector assembly.

# Data Connectors

## XLNnet RJ45 Ethernet Series



# XLNnet SERIES

## A & B Type

### Features:

- RJ45 Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) Ethernet performance
- A or B type chassis housings
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Horizontal or Vertical PCB
- Mates with XLNnet cable plugs or standard RJ45 plug.

**Part Number Breakdown: Page 84**

**Specifications: Page 89**

**PCB Footprints: Page 88**

**Recommended Fastener: Page 134**


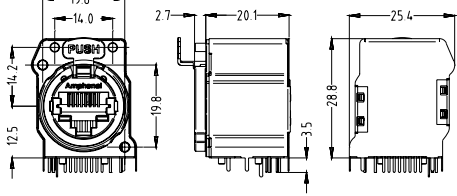

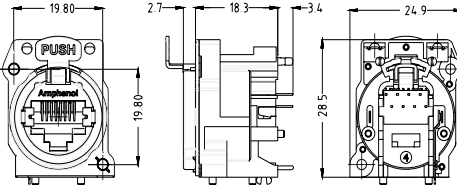

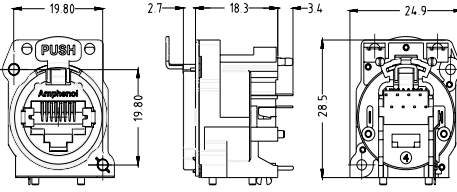

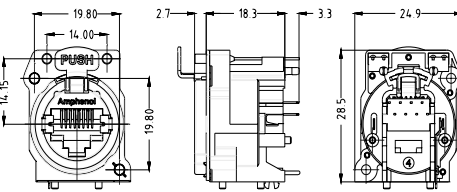

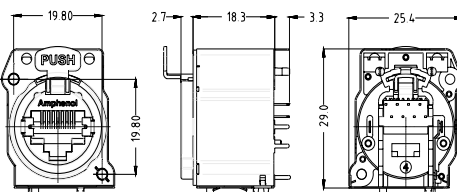
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	LED* LHS/RHS	PART NUMBER
		19.80, 2.7, 19.7, 24.9, 12.5, 19.80, 3.5, 28.5	XLNnet chassis, A type, Horizontal PCB	Class D	- -	RJX8FA3HB
				CAT5E		RJX8FA5HB
				CAT6		RJX8FA6HB
		19.80, 2.7, 19.7, 24.9, 12.5, 19.80, 3.5, 28.5	XLNnet chassis B type, Horizontal PCB	Class D	- -	RJX8FB3HB
				CAT5E		RJX8FB5HB
				CAT6		RJX8FB6HB
		19.80, 2.7, 19.7, 24.9, 14.0, 14.2, 12.5, 19.80, 3.5, 28.5	XLNnet chassis, B type, LEDs, Horizontal PCB, Bulk packed	CAT5E	R G R Y R R G R G Y U U	RJX8FB5HRGB RJX8FB5HRYB RJX8FB5HRRB RJX8FB5HGRB RJX8FB5HGYP RJX8FB5HUUB
				CAT6	R G R Y R R G R G Y U U	RJX8FB6HRGB RJX8FB6HRYB RJX8FB6HRRB RJX8FB6HGRB RJX8FB6HGYP RJX8FB6HUUB
		19.80, 2.7, 20.1, 25.4, 12.5, 19.80, 3.5, 28.8	XLNnet chassis, B type, Shielded Hood, Horizontal PCB, Bulk packed	Class D	- -	RJX8FB3HEB
				CAT5E		RJX8FB5HEB
				CAT6		RJX8FB6HEB

\*Note: LED colours are denoted left to right from the panel side front view. Refer page 88  
R = Red, G = Green, Y = Yellow, U = Blue



# Data Connectors


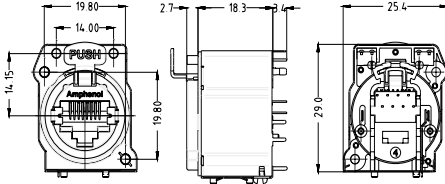
## XLNet RJ45 Ethernet Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	LED* LHS/RHS	PART NUMBER	
			XLRnet chassis, B type, Shielded Hood, LEDs, Horizontal PCB, Bulk packed	CAT5E	R G	RJX8FB5HRGEB	
					R Y	RJX8FB5HRYEB	
					R R	RJX8FB5HRRREB	
					G R	RJX8FB5HGREB	
					G Y	RJX8FB5HGYEB	
					U U	RJX8FB5HUUEB	
				CAT6	R G	RJX8FB6HRGEB	
					R Y	RJX8FB6HRYEB	
					R R	RJX8FB6HRRREB	
					G R	RJX8FB6HGREB	
					G Y	RJX8FB6HGYEB	
					U U	RJX8FB6HUUEB	
			XLRnet chassis, A type, Vertical PCB	Class D	- -	RJX8FA3VB	
					CAT5E	- -	RJX8FA5VB
						CAT6	- -
			XLRnet chassis, B Type, Vertical PCB	Class D	- -		RJX8FB3VB
					CAT5E	- -	RJX8FB5VB
						CAT6	- -
			XLRnet chassis, B type, LEDs, Vertical PCB, Bulk packed	CAT5E	R G		RJX8FB5VRGB
					R Y	RJX8FB5VRYB	
					R R	RJX8FB5VRRB	
					G R	RJX8FB5VGRB	
					G Y	RJX8FB5VGYB	
					U U	RJX8FB5VUUB	
				CAT6	R G	RJX8FB6VRGB	
					R Y	RJX8FB6VRYB	
					R R	RJX8FB6VRRB	
					G R	RJX8FB6VGRB	
					G Y	RJX8FB6VGYB	
					U U	RJX8FB6VUUB	
			XLRnet chassis, B type, Shielded Hood, Vertical PCB, Bulk packed	Class D	- -	RJX8FB3VEB	
					CAT5E	- -	RJX8FB5VEB
						CAT6	- -

\*Note: LED colours are denoted left to right from the panel side front view. Refer page 88  
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# Data Connectors

## XLNnet RJ45 Ethernet Series

PRODUCT - FIGURE	DRAWING	DESCRIPTION	TYPE	LED* LHS/RHS	PART NUMBER
		XLNnet chassis, B type, Shielded Hood, LEDs, Vertical PCB, Bulk packed	CAT5E	R G	RJX8FB5VRGEB
				R Y	RJX8FB5VRYEB
				R R	RJX8FB5VRRREB
				G R	RJX8FB5VGREB
				G Y	RJX8FB5VGYEB
				U U	RJX8FB5VUUEB
			CAT6	R G	RJX8FB6VRGEB
				R Y	RJX8FB6VRYEB
				R R	RJX8FB6VRRREB
				G R	RJX8FB6VGREB
				G Y	RJX8FB6VGYEB
				U U	RJX8FB6VUUEB

\*Note: LED colours are denoted left to right from the panel side front view. Refer page 88  
 R = Red, G = Green, Y = Yellow, U = Blue

# PART NUMBER BREAKDOWN

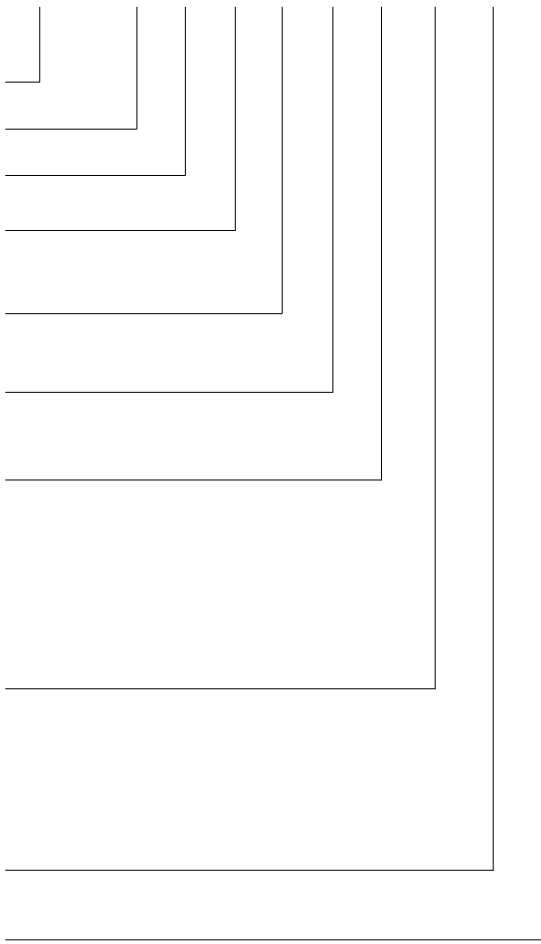
## XLNnet A and B Type Printed Circuit Board Connectors

E. G. **RJX8FB5HLRREB**  
**RJX** (Series Prefix), **8** (Contacts), Female **B** type, **5** Cat5E Horizontal, Latchless,  
 Red - Red LEDs, EMI / RFI Hood, **Bulk** Packaged.

SERIES PREFIX  
 CONTACT LAYOUTS  
 GENDER  
 SHELL SERIES  
 TRANSMISSION CLASS  
 TERMINATION  
 LOCKING MECHANISM  
 LED COLOURS  
 EMI / RFI HOOD  
 PACKAGING

RJX 8 F B 5 H L RR E B

<b>SERIES PREFIX</b>	RJX = Series Prefix
<b>CONTACT LAYOUT</b>	8 = RJ45 type
<b>GENDER</b>	F = Receptacle housing
<b>SHELL SERIES</b>	A = A Type B = B Type
<b>TRANSMISSION CLASS</b>	3 = Class D 5 = CAT 5e 6 = CAT 6
<b>TERMINATION</b>	H = Horizontal Printed Circuit Board V = Vertical Printed Circuit Board
<b>LOCKING MECHANISM</b>	Blank = Latching P = Push lever supplied separately for customer installation (Contact factory for detailed fitting instructions)
<b>LED COLOUR SEQUENCE*</b>	Blank = No LEDs RG = Red / Green RY = Red / Yellow RR = Red / Red GR = Green / Red GY = Green / Yellow GG = Green / Green YR = Yellow / Red YY = Yellow / Yellow YG = Yellow / Green UU = Blue / Blue
<b>EMI / RFI SHIELDING HOOD</b>	Blank = No shield hood E = EMI / RFI shield hood
<b>PACKAGING</b>	Blank = Individual B = Bulk packed



\*Note: LED colours are denoted left to right from the panel side front view.  
 Refer Page 88



# XLRnet SERIES

## D Type

**Features:**

- RJ45 Class D (10/100 Base-T), CAT5E (1000 Base-T) or CAT6 (10GBASE-T) Ethernet performance
- D type XLR standard housings
- IDC Punchdown block
- Thru-adaptor / Feedthrough
- Horizontal or Vertical PCB

**Part Number Breakdown: Page 87**

**Specifications: Page 89**


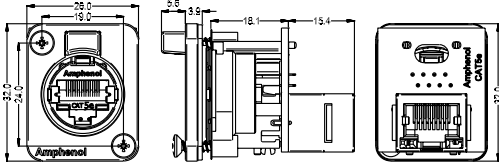

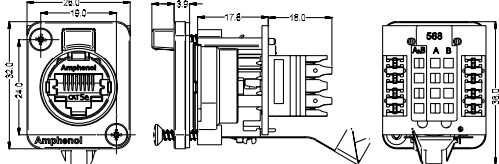

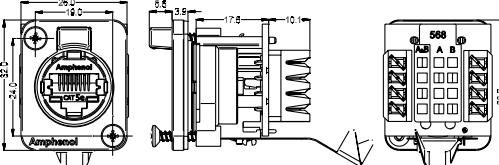

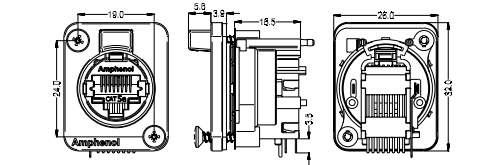

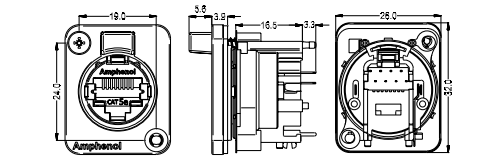

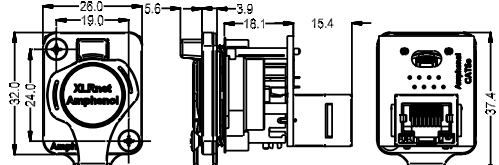

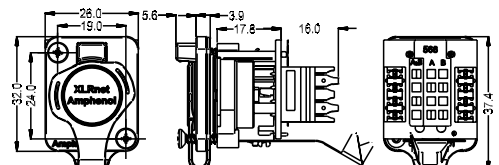

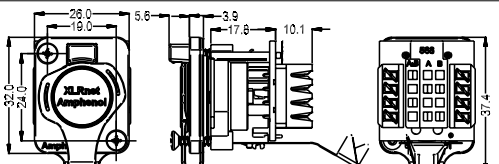

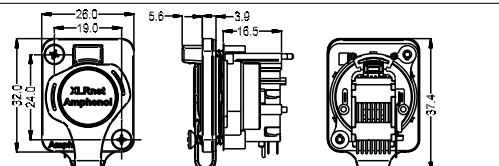

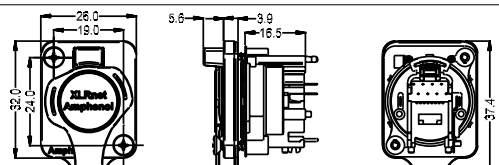
**PCB Footprints: Page 88**

**Recommended Fastener: Page 134**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			XLRnet chassis, D type, Feedthrough, Nickel Finish	CAT5E	RJX8FD5T
				CAT5E	RJX8FD5110
				CAT6	RJX8FD6110
				CAT5E	RJX8FD5I
				CAT6	RJX8FD6I
				Class D	RJX8FD3HB
				CAT5E	RJX8FD5HB
				CAT6	RJX8FD6HB
				Class D	RJX8FD3VB
				CAT5E	RJX8FD5VB
				CAT6	RJX8FD6VB

# Data Connectors

## XLRnet RJ45 Ethernet Series

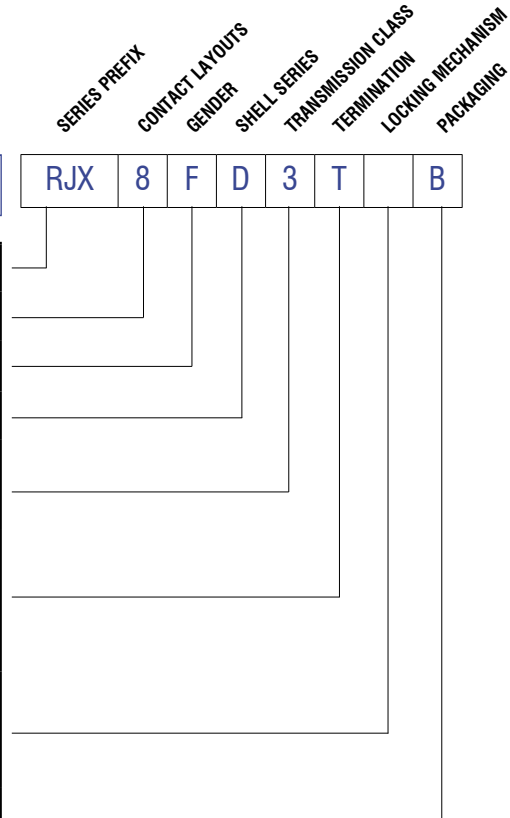
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			XLRnet chassis, D type (IP54), Feedthrough, Nickel Finish	CAT5E	RJXS8FD5T
			XLRnet chassis, D type (IP54), IDC Terminals, 110 type, Nickel Finish	CAT5E	RJXS8FD5110
				CAT6	RJXS8FD6110
			XLRnet chassis, D type (IP54), IDC Terminals, Nickel Finish	CAT5E	RJXS8FD5I
				CAT6	RJXS8FD6I
			XLRnet chassis, D type (IP54), Horizontal PCB, Nickel Finish	Class D	RJXS8FD3HB
				CAT5E	RJXS8FD5HB
				CAT6	RJXS8FD6HB
			XLRnet chassis, D type (IP54), Vertical PCB, Nickel Finish	Class D	RJXS8FD3VB
				CAT5E	RJXS8FD5VB
				CAT6	RJXS8FD6VB
			XLRnet chassis with Protective cap, D type (IP54), Feedthrough, Nickel Finish	CAT5E	RJXS8FG5T
				CAT6	RJXS8FG6110
			XLRnet chassis with Protective cap, D type (IP54), IDC Terminals, 110 type, Nickel Finish	CAT5E	RJXS8FG5110
				CAT6	RJXS8FG6110
			XLRnet chassis with Protective cap, D type (IP54), IDC Terminals, Nickel Finish	CAT5E	RJXS8FG5I
				CAT6	RJXS8FG6I
			XLRnet chassis with Protective cap, D type (IP54), Horizontal PCB, Nickel Finish	Class D	RJXS8FG3HB
				CAT5E	RJXS8FG5HB
				CAT6	RJXS8FG6HB
			XLRnet chassis with Protective cap, D type (IP54), Vertical PCB, Nickel Finish	Class D	RJXS8FG3VB
				CAT5E	RJXS8FG5VB
				CAT6	RJXS8FG6VB

# PART NUMBER BREAKDOWN

## XLRnet D TYPE Chassis Connectors

E. G. **RJX8FD3TB**  
**RJX** (Series Prefix), **8** (Contacts), **F** Female **D** type, **3** Class **D** Thru Adaptor, **B** Bulk Packaged

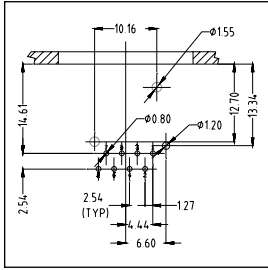
<b>SERIES PREFIX</b>	RJX =	Series Prefix
<b>CONTACT LAYOUT</b>	8 =	RJ45 type
<b>GENDER</b>	F =	Receptacle housing
<b>SHELL SERIES</b>	D =	D Type
<b>TRANSMISSION CLASS</b>	3 = 5 = 6 =	Class D CAT 5e CAT 6
<b>TERMINATION</b>	H = I = 110 = T = V =	Horizontal Printed Circuit Board IDC Punch Down Block IDC 110 Punch Down Block Thru adaptor / Feedthrough Vertical Printed Circuit Board
<b>LOCKING MECHANISM</b>	Blank = P =	Latching Push lever supplied separately for customer installation (Contact factory for detailed fitting instructions)
<b>PACKAGING</b>	Blank = B =	Individual Bulk packed



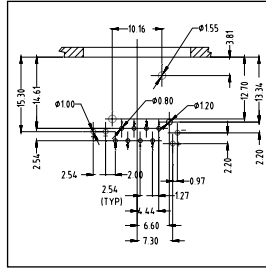
\*Note: LED colours are denoted left to right from the panel side front view. Refer Page 88

# XLRNET A, B AND D TYPE SERIES

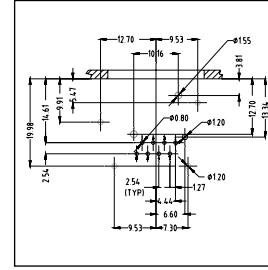
\* Applicable to 3 (Class D), 5 (CAT5E) and 6 (CAT6), where available



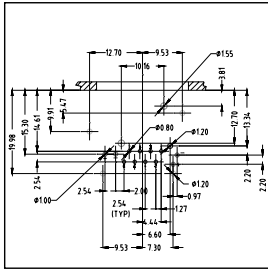
**RJX8FA\*H**  
**RJX8FA\*HB**



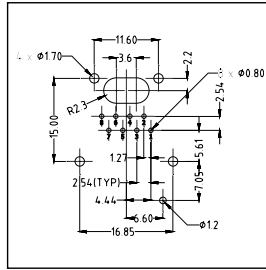
**RJX8FB\*HRGB**  
**RJX8FB\*HRYB**  
**RJX8FB\*HRRB**  
**RJX8FB\*HGRB**  
**RJX8FB\*HGYB**  
**RJX8FB\*HGGB**



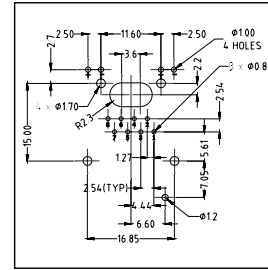
**RJX8FB\*HEB**



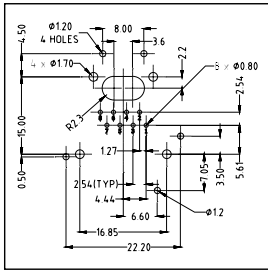
**RJX8FB\*HRGEB**  
**RJX8FB\*HRYEB**  
**RJX8FB\*HRRB**  
**RJX8FB\*HGREB**  
**RJX8FB\*HGYEB**  
**RJX8FB\*HGGEB**



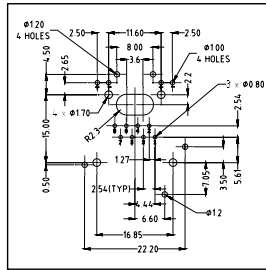
**RJX8FA\*VB**  
**RJX8FB\*VB**



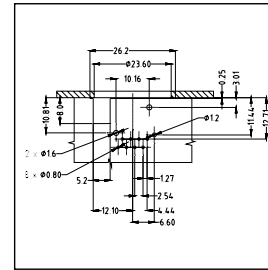
**RJX8FB\*VRGB**  
**RJX8FB\*VRYB**  
**RJX8FB\*VRRB**  
**RJX8FB\*VGREB**  
**RJX8FB\*VGYB**  
**RJX8FB\*VUUB**



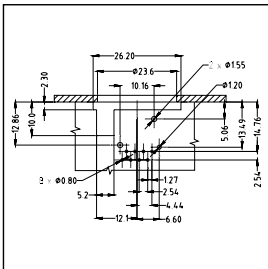
**RJX8FB\*VEB**



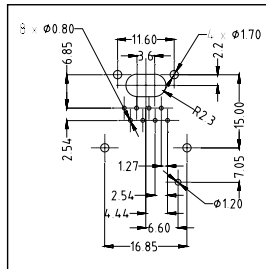
**RJX8FB\*VRGEB**  
**RJX8FB\*VRYEB**  
**RJX8FB\*VRRB**  
**RJX8FB\*VGREB**  
**RJX8FB\*VGYEB**  
**RJX8FB\*VUUEB**



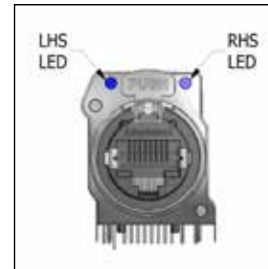
**RJX8FD\*HB**  
**(Front Mounting)**



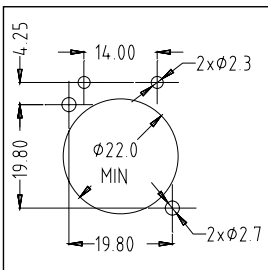
**RJX8FD\*HB**  
**(Rear Mounting)**



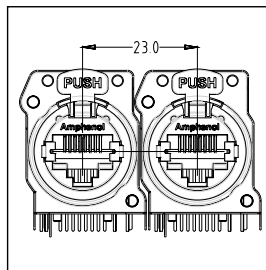
**RJX8FD\*VB**



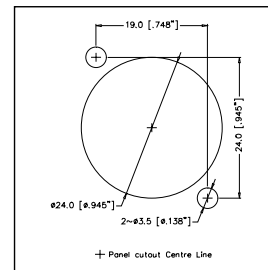
**LED Arrangement**  
**(Front view)**



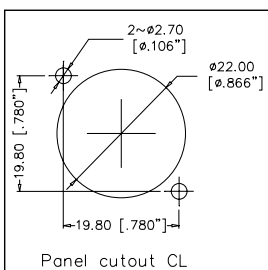
**PANEL CUTOUT**  
**A and B type**  
**with LED's**



**XLRnet**  
**MOUNTING**  
**PITCH /**  
**A and B Type**



**D Type**



**A and B Type**

# STANDARD DATA XLRnet CHASSIS RECEPTACLES

		VALUE		
		Class D	CAT5E	CAT6
<b>GENERAL CHARACTERISTICS</b>	Number of contacts	8		
	Contact Arrangement	RJ45		
	Termination	Printed Circuit Board (PCB) - through hole, Feedthrough, IDC Terminal		
	Flammability	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
	Solderability	MIL-STD 202, Method 208		
<b>ELECTRICAL CHARACTERISTICS</b>	Rated current per contact	1.5 A		
	Rated Voltage	125V AC		
	Typical Contact Resistance	20mΩ		
	Insulation Resistance	> 500MΩ		
	Dielectric Strength	1000 VAC, 60 secs		
	Max. Frequency	100Mhz	250MHz	250MHz
	Ethernet Standard	10/100 BASE-T	1000 BASE-T	10GBASE-T
	Transmission Spec.	EIA/ TIA568-C.2, ISO/IEC 11801, EN50173		
	PoE+	802.3at Type 2		
	LED Type	Round, single pole, indicator		
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP40 (with EMI/RFI shield)		
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
<b>MECHANICAL CHARACTERISTICS</b>	Weight** - A & B Housing - Shielded Housing - D Shell	11g (0.024lb) 17g (0.037lb) 25g (0.055lb)		
	Mechanical Operations	1000		
	Insertion and Withdrawal Force	≤ 21N		
	Latch	Spring Steel		
	Panel Thickness max.	3mm		
	Mounting screw torque max.	0.35Nm		
	Fastener	Self-Tapping screw M2.5		
	<b>MATERIALS</b>	Connector Shell / Housing	Thermoplastic, DSM Stanyl UL94V-0, 30% GF / PA66 30% GF	
Flange (A type)		Thermoplastic, DSM Stanyl UL94V-0, 30% GF		
Flange (B type)		Diecast Zinc Alloy 3		
Flange Finish (B type)		Satin Nickel		
Contact		Phosphor Bronze		
Contact Finish - Ground - RJ45		0.38μm Au over 1.27μm Ni 1.27μm Au over 1.27μm Ni		
Metal Hood Shield EMI/RFI		Brass, nickel plated		
Latch lock and Spring		Spring steel		

Rev 3 - 05/2015

\*\*Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

# Data Connectors

## USB/HDMI Chassis Mount



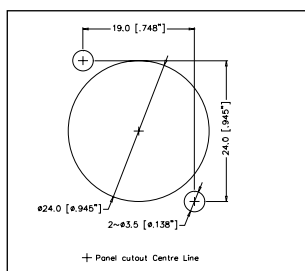
# USB/HDMI Series

### Features:

- Data connectors
- Feedthrough adaptors
- USB 3 Type A
- HDMI receptacles

**Options:** Nickel or Black Shell Finish

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			USB 3.0, Feedthrough adapter, D Flange, Nickel Finish	Type A / Type A	AC-USB3-AA
			USB 3.0, Feedthrough adapter, D Flange, Black Finish	Type A / Type A	AC-USB3-AAB
			HDMI, Feedthrough adapter, D Flange, Nickel Finish	HDMI / HDMI	AC-HDMI-RR
			HDMI, Feedthrough adapter, D Flange, Black Finish	HDMI / HDMI	AC-HDMI-RRB



## PANEL CUTOUT DIMENSIONS

### FRONT VIEW

AC-\*\*\*\*



# USB/HDMI TECHNICAL DATA

		VALUE	
<b>GENERAL CHARACTERISTICS</b>	Type	USB 3.0	HDMI 2.0
	Termination	Thru-adaptor	
	Max. Wire Gauge - Stranded Wire	AWG 14 - 2.5mm <sup>2</sup>	
	Flammability rating of insulating plastics	UL94V-0	
	Solderability, complies with	IEC 68-2-20	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
<b>ELECTRICAL CHARACTERISTICS</b>	Current Carrying Capacity	10A (Depends on Mating Connector)	
	Typical Contact Resistance	≤10mΩ (Depends on Mating Connector)	
	Insulation resistance (initial)	>2GΩ	
	After Damp Heat Test	≥ 10 <sup>9</sup> Meg Ω	
Dielectric Strength	1500 V dc		
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP40	
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)	
<b>MECHANICAL CHARACTERISTICS</b>	Insertion and Withdrawal Force	≥10N - ≤30N (depends on mating connector)	
	Cable O.D.	3mm to 7mm (0.118" to 0.275")	
	Mechanical Operations	1000 mating cycles	
	Weight - Cable Mount - Panel Mount	18g (0.039lb) 30g (0.066lb)	
<b>MATERIALS</b>	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3	
	Connector Shell Finish	Satin Nickel or Coloured Polyester	
	Insulators	PA66	
	Cable Bushing	Thermoplastic Polyurethane	
	Contacts	Brass Alloy	
	Plating	Gold Flash	

Rev 2 - 03/2021

<sup>1)</sup>Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.