



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.

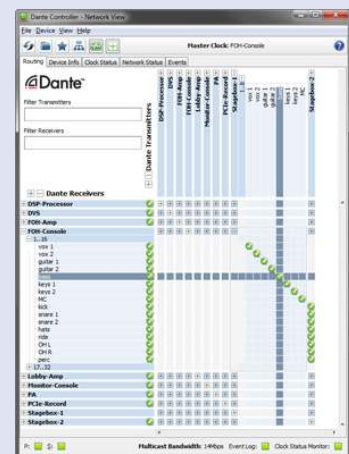
Dante Via

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

Dante™ is a trademark of Audinate Pty Ltd. Audinate® is a registered trademark of Audinate Pty Ltd.

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.
ANALOGUE OUTPUT			
		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
ANALOGUE INPUT			
		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
AES3			
		AES3 Input / Output - 2 channel, XLR I/O to RJ45 I/O, Durable overmolded housing 	RJD32A3-0050
USB			
		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
GENERAL	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
ELECTRICAL	Power Consumption	< 2 Watt					
	Power over Ethernet (Required)	Class 1 IEEE 802.3af POE PD compliant					PoE or USB
ANALOG / DIGITAL AUDIO	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		-
DANTE® AUDIO	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					
CLIMATIC	Protection Class	IP40					
	Operating Temperature	-5°C to +60°C (23°F to +140°F)					
MECHANICAL	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)
MATERIALS	Housing	PVC 60P Black					

Rev 4 - 09/2018

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



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 CABLE CONNECTOR

Features/Benefits:


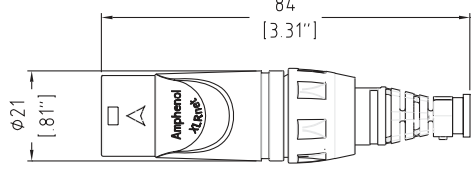

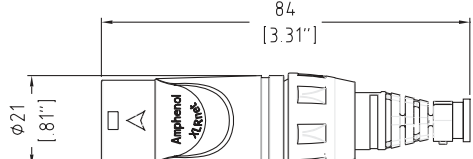
- XLR RJ45 Cable plug housing.
- Designed for pre-assembled RJ45 cables.
- Quick and simple installation.
- Cost effective method for harsh environments.
- No cabling in field required.
- No tools required for installation.
- Available in Nickel or Black housings.
- Coloured boots / Backshells

Specifications: Page 80

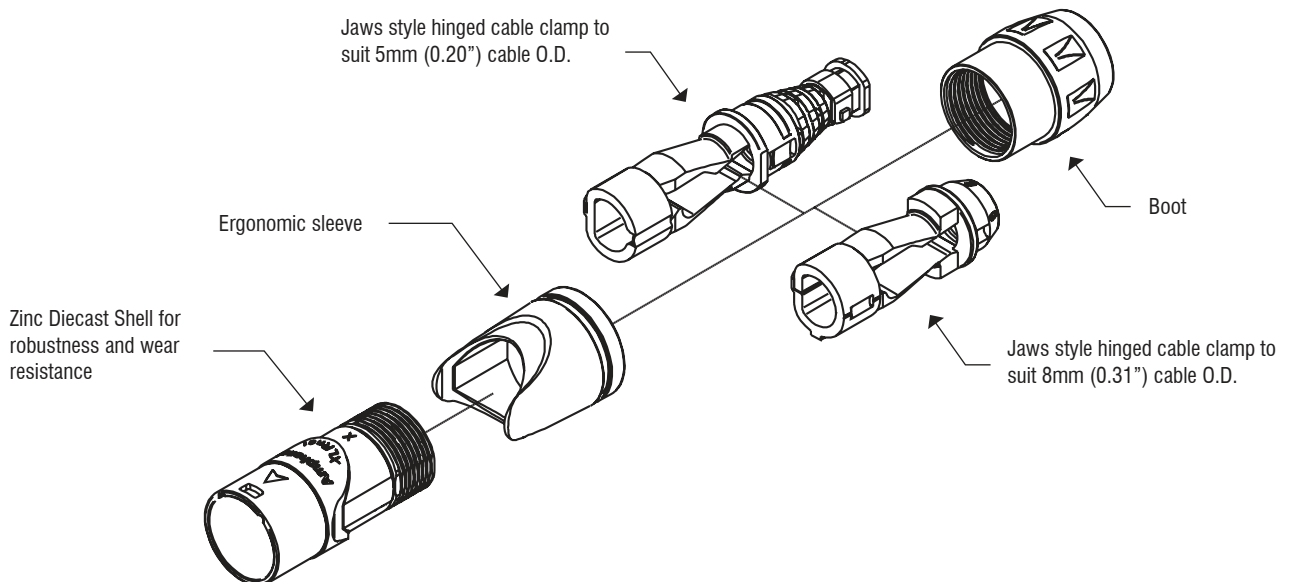
Part Number Breakdown : Page 80

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
		84 [3.31"]	XLRnet, XLR cable plug housing to suit pre-assembled RJ45 cables, Nickel Finish	Standard	RJX8M
				Bulk Pack	RJX8M BULK
		84 [3.31"]	XLRnet, XLR cable plug housing to suit pre-assembled RJ45 cables, Black Finish	Standard	RJX8MB
				Bulk Pack	RJX8MB BULK

ISO VIEW OF RJX8M

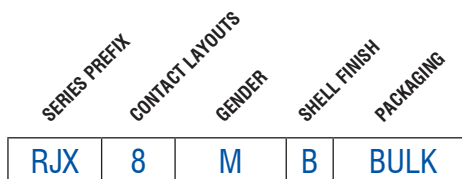


Data Connectors

XLRnet Series Cable Connector

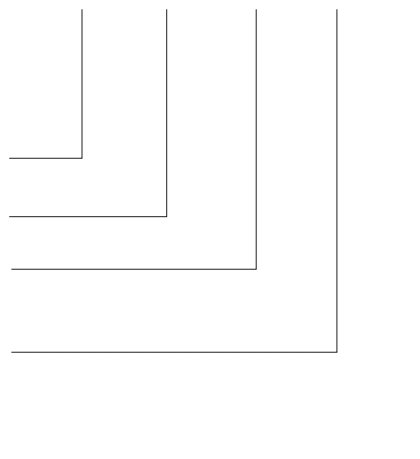
PART NUMBER BREAKDOWN

XLRnet SERIES



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

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



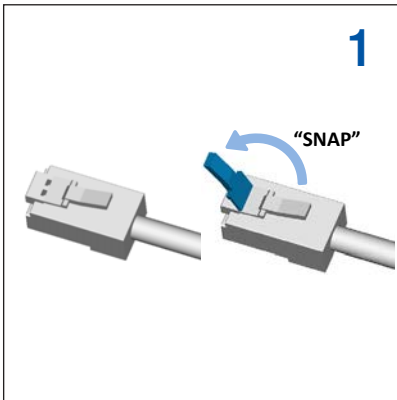
STANDARD DATA XLRnet SERIES

		VALUE
GENERAL CHARACTERISTICS	Termination	Preassembled RJ45 Cable (Not supplied)
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25°C to +75°C (-13°F to -167°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force	≥ 10N - ≤ 20N
	Weight ²⁾	26g (0.057lb)
	Cable O.D. range	5 or 8mm (0.20" or 0.31")
	Mechanical Operations	1000 mating cycles
MATERIALS	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

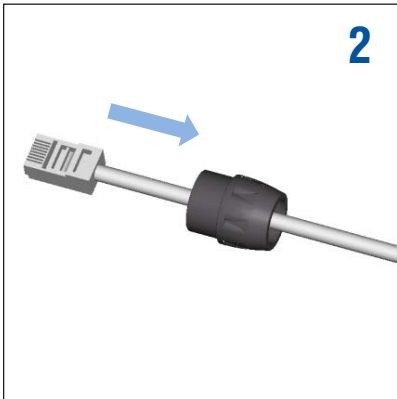
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

Rev 1 - 03/2013

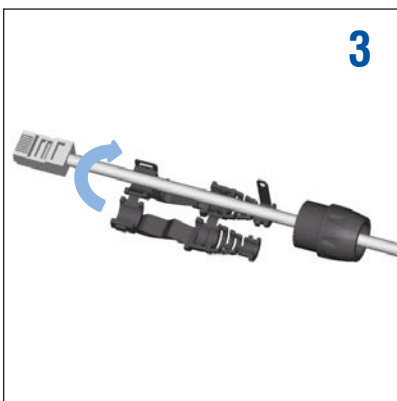
XLRnet SERIES CABLE ASSEMBLY INSTRUCTIONS



△ 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.



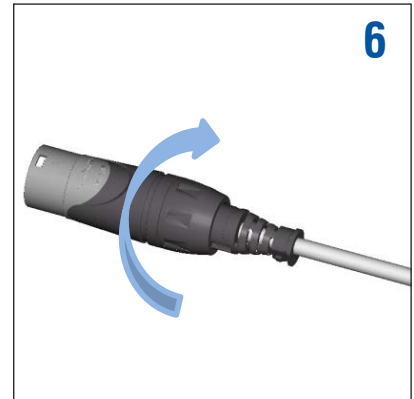
Install the cable clamp-boot.



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

XLRnet Series A & B Type Chassis Receptacles



XLRNET SERIES A & B TYPE CHASSIS RECEPTACLES

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 XLRnet cable plugs or standard RJ45 plug.

Part Number Breakdown: Page 84


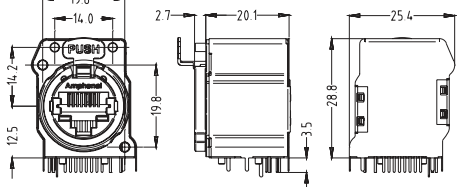

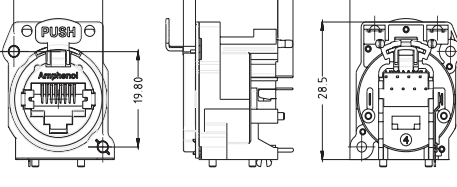
Specifications: Page 89

PCB Footprints: Page 88

Recommended Fastener: Page 135

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	XLRnet 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	XLRnet 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	XLRnet chassis, B type, LEDs, Horizontal PCB, Bulk packed	CAT5E	R G	RJX8FB5HRGB
					R Y	RJX8FB5HRYB
					R R	RJX8FB5HRRB
					G R	RJX8FB5HGRB
					G Y	RJX8FB5HGYB
					U U	RJX8FB5HUUB
				CAT6	R G	RJX8FB6HRGB
					R Y	RJX8FB6HRYB
					R R	RJX8FB6HRRB
					G R	RJX8FB6HGRB
					G Y	RJX8FB6HGYB
					U U	RJX8FB6HUUB
		19.80, 2.7, 20.1, 25.4, 12.5, 19.80, 3.5, 28.8	XLRnet chassis, B type, Shielded Hood, Horizontal PCB, Bulk packed	Class D	-	RJX8FB3HEB
				CAT5E		RJX8FB5HEB
				CAT6		RJX8FB6HEB


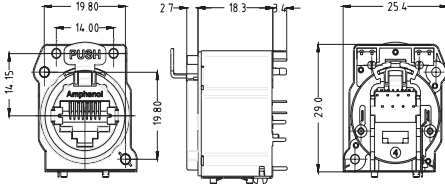
*Note: LED colours are denoted left to right from the panel side front view. Refer page 88
R = Red, G = Green, Y = Yellow, U = Blue

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
Class D	-	-	RJX8FA3VB			
	CAT5E	-	-	RJX8FA5VB		
CAT6		-	-	RJX8FA6VB		
	Class D	-	-	RJX8FB3VB		
CAT5E		-	-	RJX8FB5VB		
	CAT6	-	-	RJX8FB6VB		
				XLRnet chassis, B type, LEDs, Vertical PCB, Bulk packed	CAT5E	R G
	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
Class D	-	-	RJX8FB3VEB			
	CAT5E	-	-	RJX8FB5VEB		
CAT6		-	-	RJX8FB6VEB		

*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

XLRnet Series A & B Type Chassis Receptacles

PRODUCT - FIGURE	DRAWING	DESCRIPTION	TYPE	LED* LHS/RHS	PART NUMBER
		XLRnet chassis, B type, Shielded Hood, LEDs, Vertical PCB, Bulk packed	CAT5E	R G	RJX8FB5VRGEB
				R Y	RJX8FB5VRYEB
				R R	RJX8FB5VRRREB
				G R	RJX8FB5VGRREB
				G Y	RJX8FB5VGYEB
				U U	RJX8FB5VUUUEB
			CAT6	R G	RJX8FB6VRGEB
				R Y	RJX8FB6VRYEB
				R R	RJX8FB6VRRREB
				G R	RJX8FB6VGRREB
				G Y	RJX8FB6VGYEB
				U U	RJX8FB6VUUUEB

*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

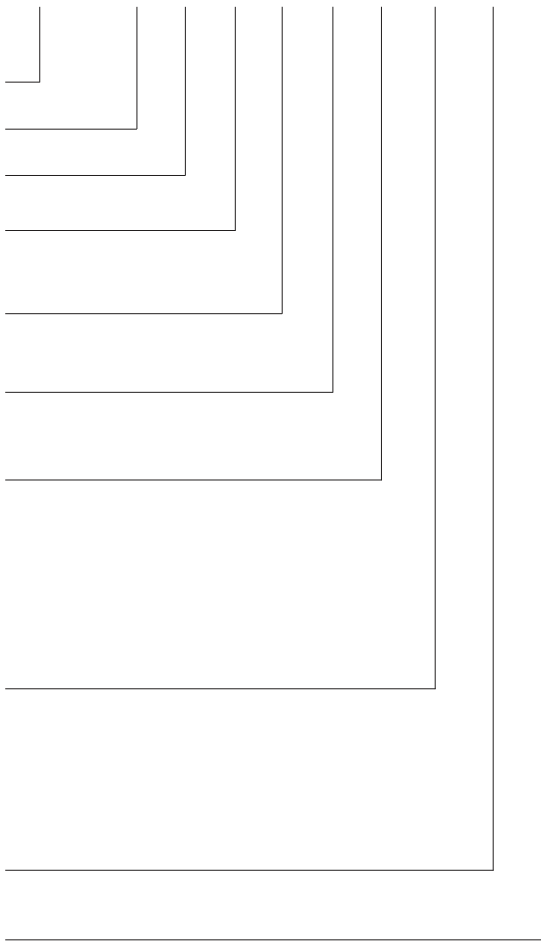
XLRnet A and B Type Printed Circuit Board Connectors

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
-----	---	---	---	---	---	---	----	---	---

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



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



XLRNET SERIES D TYPE CHASSIS RECEPTACLES

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 135

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			XLNnet chassis, D type, Feedthrough, Nickel Finish	CAT5E	RJX8FD5T
			XLNnet chassis, D type, IDC Terminals, 110 type, Nickel Finish	CAT5E	RJX8FD5110
			XLNnet chassis, D type, IDC Terminals, 110 type, Nickel Finish	CAT6	RJX8FD6110
			XLNnet chassis, D type, IDC Terminals, Nickel Finish	CAT5E	RJX8FD5I
			XLNnet chassis, D type, IDC Terminals, Nickel Finish	CAT6	RJX8FD6I
			XLNnet chassis, D type, Horizontal PCB, Nickel Finish	Class D	RJX8FD3HB
			XLNnet chassis, D type, Horizontal PCB, Nickel Finish	CAT5E	RJX8FD5HB
			XLNnet chassis, D type, Horizontal PCB, Nickel Finish	CAT6	RJX8FD6HB
			XLNnet chassis, D type, Vertical PCB, Nickel Finish	Class D	RJX8FD3VB
			XLNnet chassis, D type, Vertical PCB, Nickel Finish	CAT5E	RJX8FD5VB
			XLNnet chassis, D type, Vertical PCB, Nickel Finish	CAT6	RJX8FD6VB

Data Connectors

XLRnet Series D Type Chassis Receptacles

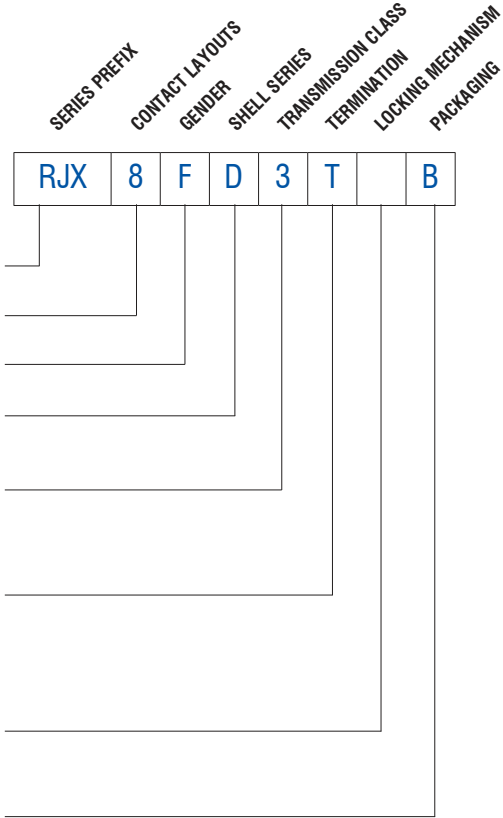
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			XLRnet chassis, D type (IP54), Feedthrough, Nickel Finish	CAT5E	RJXS8FD5T
			XLRnet chassis, D type (IP54), IDC Terminals, 110 type, Nickel Finish	CAT5E	RJXS8FD5110
				CAT6	RJXS8FD6110
			XLRnet chassis, D type (IP54), 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
			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**emale **D** type, **3** Class **D** Thru Adaptor, **B**ulk Packaged

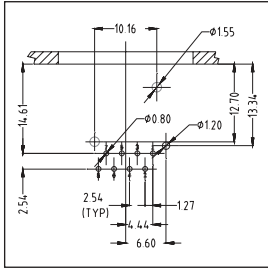
SERIES PREFIX	RJX =	Series Prefix
CONTACT LAYOUT	8 =	RJ45 type
GENDER	F =	Receptacle housing
SHELL SERIES	D =	D Type
TRANSMISSION CLASS	3 = 5 = 6 =	Class D CAT 5e CAT 6
TERMINATION	H = I = 110 = T = V =	Horizontal Printed Circuit Board IDC Punch Down Block IDC 110 Punch Down Block Thru adaptor / Feedthrough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



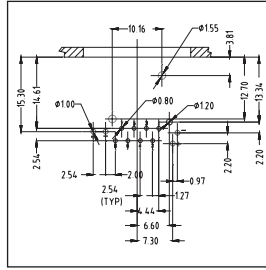
*Note: LED colours are denoted left to right from the panel side front view. Refer Page 88

XLRNET A, B AND D TYPE SERIES

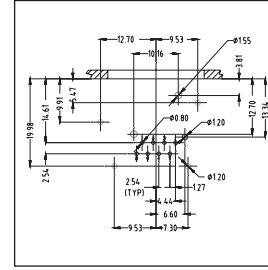
* Applicable to 3 (Class D), 5 (CAT5E) and 6 (CAT6), where available



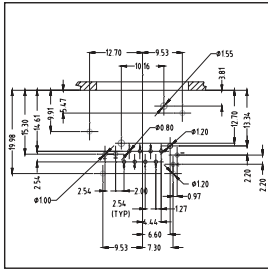
RJX8FA*H
RJX8FA*HB



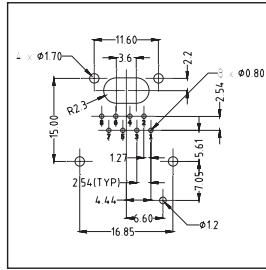
RJX8FB*HRGB
RJX8FB*HRYB
RJX8FB*HRRB
RJX8FB*HGRB
RJX8FB*HGYB
RJX8FB*HGGB



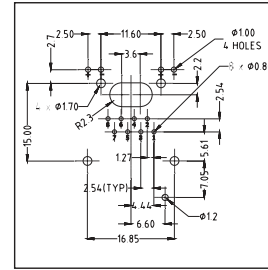
RJX8FB*HEB



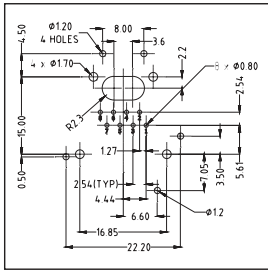
RJX8FB*HRGEB
RJX8FB*HRYEB
RJX8FB*HREB
RJX8FB*HGREB
RJX8FB*HGYEB
RJX8FB*HGGB



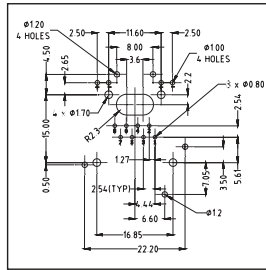
RJX8FA*VB
RJX8FB*VB



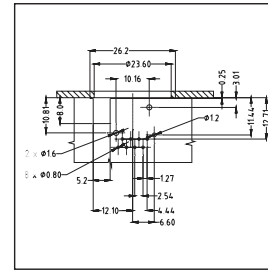
RJX8FB*VRGB
RJX8FB*VRYB
RJX8FB*VRRB
RJX8FB*VGRB
RJX8FB*VGYB
RJX8FB*VUUB



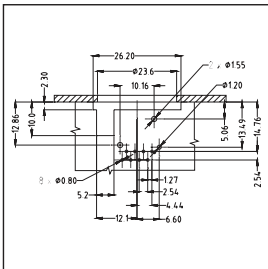
RJX8FB*VEB



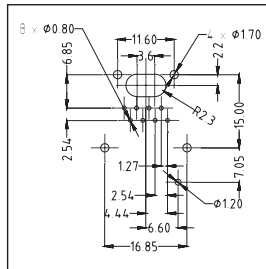
RJX8FB*VRGEB
RJX8FB*VRYEB
RJX8FB*VREB
RJX8FB*VGREB
RJX8FB*VGYEB
RJX8FB*VUUEB



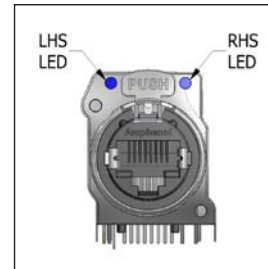
RJX8FD*HB
(Front Mounting)



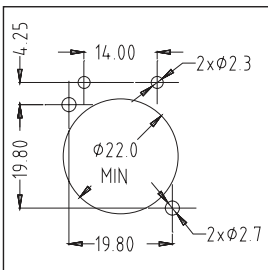
RJX8FD*HB
(Rear Mounting)



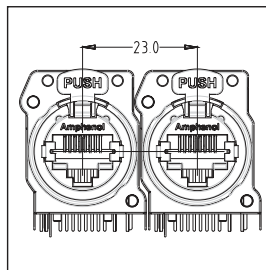
RJX8FD*VB



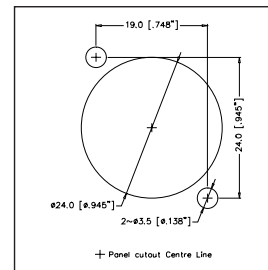
LED Arrangement
(Front view)



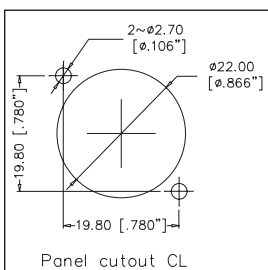
PANEL CUTOUT
A and B type
with LED's



XLRnet
MOUNTING
PITCH /
A and B Type



D Type



A and B Type

STANDARD DATA XLRnet CHASSIS RECEPTACLES

		VALUE		
		Class D	CAT5E	CAT6
GENERAL CHARACTERISTICS	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		
ELECTRICAL CHARACTERISTICS	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	100MHz	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		
CLIMATIC CHARACTERISTICS	Protection Class	IP40 (with EMI/RFI shield)		
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
MECHANICAL CHARACTERISTICS	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		
	MATERIALS	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)		Diescast 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 4 - 11/2021

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

Data Connectors

USB/HDMI Series



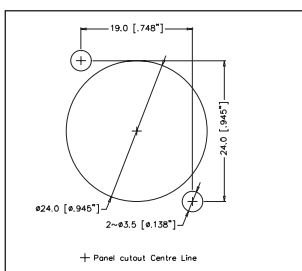
USB/HDMI SERIES

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	
GENERAL CHARACTERISTICS	Type	USB 3.0	HDMI 2.0
	Termination	Thru-adaptor	
	Max. Wire Gauge - Stranded Wire	AWG 14 - 2.5mm ²	
	Flammability rating of insulating plastics	UL94V-0	
	Solderability, complies with	IEC 68-2-20	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	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 ⁹ Meg Ω	
Dielectric Strength	1500 V dc		
CLIMATIC CHARACTERISTICS	Protection Class	IP40	
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)	
MECHANICAL CHARACTERISTICS	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)	
MATERIALS	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

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