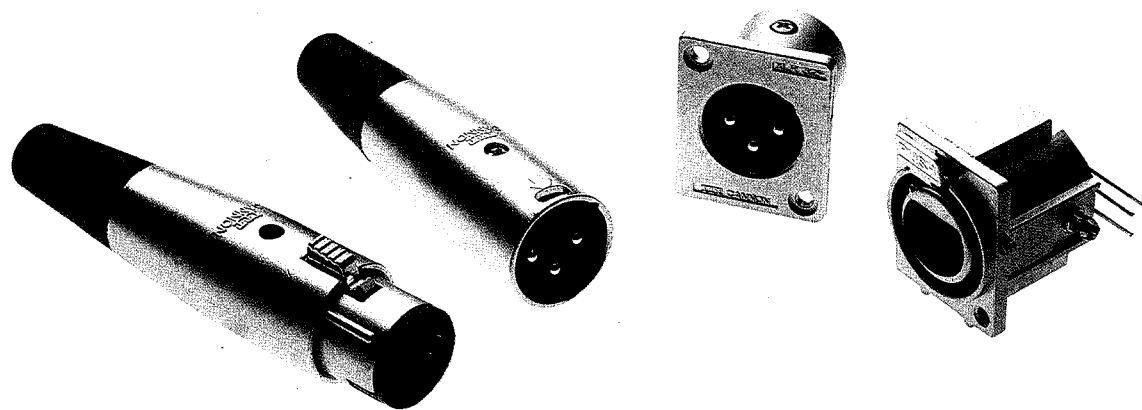


AUDIO

CONNECTORS



ITTCannon

When you need an audio connector, you have many companies to choose from.

So why pick ITT Cannon?

At Cannon—where we invented the first audio connector back in 1929—we believe you have a right to both the highest quality and a fair price.

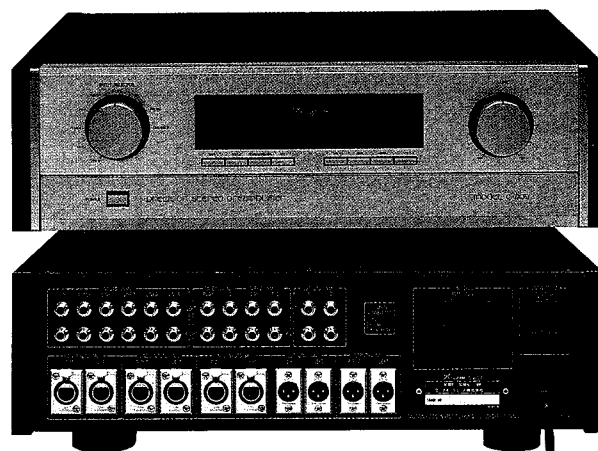
Not everyone can make that promise. Some manufacturers are just too expensive. Others sell the cheapest audio connectors on the market—which doesn't do a lot to convince you of their reliability over time. Cannon's expertise in audio connector manufacturing stems from having been committed to the industry longer than any other supplier.



Cannon's product line offers you choices suited to your particular application: Connectors which are low cost for less demanding applications. And higher-end connectors for situations where extra durability and ruggedness come into play.

ITT Cannon manufactures the finest quality product available to the marketplace; however these products are intended to be used in accordance with the specifications described in this catalog. Any use or application that deviates from the stated operating specifications is not recommended and may be unsafe. **A limited warranty applies to ITT Cannon products. Except for obligations assumed by ITT Cannon under warranty, ITT Cannon will not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether or not based upon express or implied warranty, contract, negligence, or strict liability arising in connection with the design, manufacture, sale, use, or repair of the products.**

This catalog is not to be construed as an offer. It is intended merely as an invitation to make an offer.



For instance, the world's most sophisticated video and recording studios rely upon our new XLG for unparalleled performance and durability. So do owners of top-of-the-line home stereo systems.

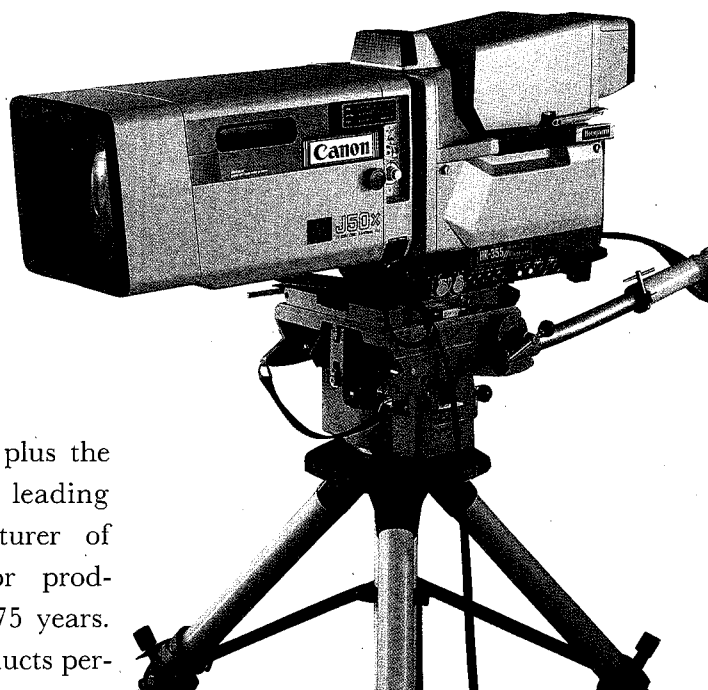
Featuring oxygen-free contacts, the XLG helps assure the highest sound and video reproduction quality on the market today.

Manufacturers of kara-oke machines and general-use microphones have made our XLR the industry's leading mid-range audio connector.

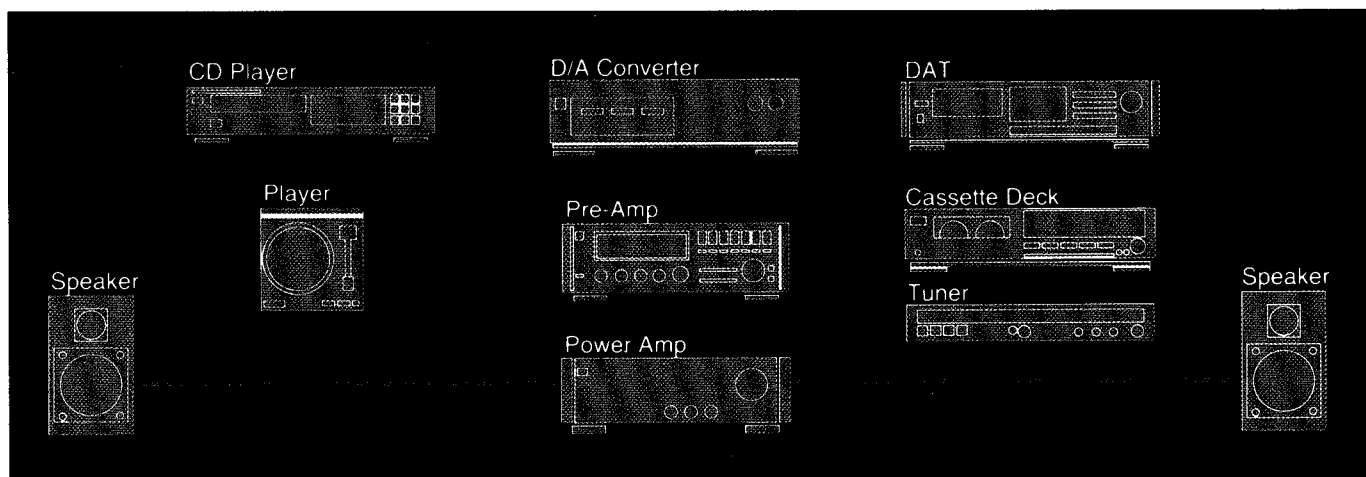
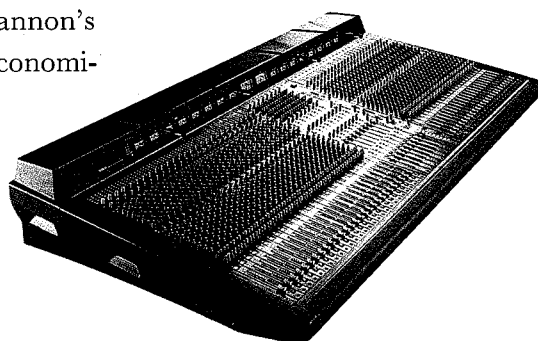
And, for everyday use, audio and video professionals everywhere specify our XLA and XLB connectors. Plus, Cannon's new XLB-2 is our most economical connector of all, thanks to its simple design and ease of assembly.

So dependable are these connectors that they are also being specified by such industries as medical, test/instrumentation, transportation and industrial.

You get all of this, plus the resources of the leading worldwide manufacturer of innovative connector products for more than 75 years. Today, Cannon products perform in applications ranging from automotive to aerospace and telecommunications to military.



Looking for the reliability of a company whose audio connectors have been setting the standard since audiences first marveled at the first "talking" motion picture in 1929? ITT Cannon continues to take center stage with products that keep on performing time after time.



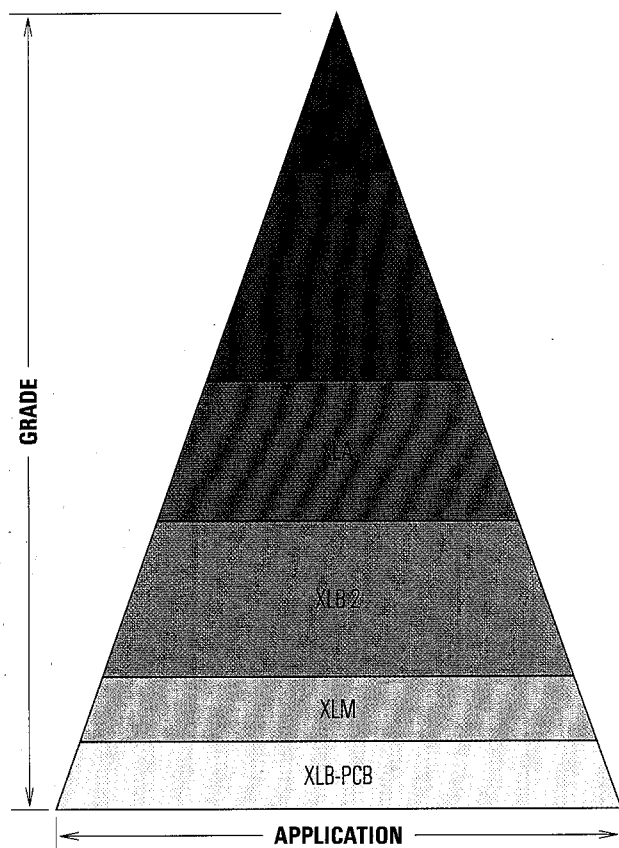
APPLICATIONS

Microphones, Tape Recorders, VCRs, Amplifiers, Mixers, Test Instruments, TV Cameras, Medical Instruments, Industrial Control Devices.

CONTENTS

General Performance	4
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CONNECTOR LINE-UP



DESCRIPTION

- XLG** : Top of the line, ultra Clean Sound using contacts machined from 99.99998% pure copper. Available in 3 position plugs and receptacles. Designed for use in top class audio equipment.
- XLR** : High grade, professional use audio and other low level circuit applications. 2 to 7 position plugs and receptacles featuring precision machined contacts, shock absorbing resilient rubber insulator and light weight aluminum shell.
- XLA** : Reduced cost version of XLR in XLR shell design, featuring stamped contacts, plastic hard insulator and Zinc shell.
- XLB 2** : General purpose connector used for low level circuit applications when EMI/RFI elimination is required. Available in 2 to 7 position plugs and receptacles.
- XLM** : Anti-EMI/RFI Zinc shell PCB mount receptacles.
- XLB-PCB** : Plastic PCB mounting receptacles.

General Performance Characteristics

Number of Contacts	2	3	4	5	6	6	7
Contact Arrangement Designator	2A	3	4	5	6	6A	7
Contact Arrangement Configuration							
Rated Current	15A	※ 10A	10A	7.5A	7.5A	7.5A	5A
Service Voltage(AC)	200V	133V	133V	133V	133V	133V	133V
Dielectric Withstanding Voltage(AC)	1600V	1400V	1400V	1400V	1400V	1400V	1400V
Insulation Resistance	5,000MΩ min. at 500VDC						
Contact Resistance	See specifications in each series						
Operating Temperature	-35°C ~ +85°C (XLR/XLG; -55°C ~ +125°C)						
Wire Accommodation Reference AWG	#14	#14	#16	#18	#18	#18	#20
Wire Cross Section (max.)	2.0mm ²	2.0mm ²	1.4mm ²	0.9mm ²	0.9mm ²	0.9mm ²	0.5mm ²
Stranded Wire O.D. (max.)	2.1mm	2.1mm	1.6mm	1.4mm	1.4mm	1.4mm	1.0mm

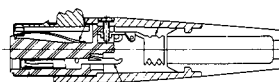
※ XLR/XLG : 15A
XLM/XLB-PC : 3A

Series Variations

Series/Shell	Styles	2A	3	4	5	6	6A	7
XLB2	11/11B	★	★	★	★		★	★
	12/12B	★	★	★	★		★	★
	31/31B	★	★	★	★		★	★
	32/32B	★	★	★	★		★	★
	41/41B	★	★	★	★		★	★
	42/42B	★	★	★	★		★	★
(Crimp)	11F		★					
	11C	★	★	★	★	★	★	★
XLR	12C	★	★	★	★	★	★	★
	13	★	★	★	★	★	★	★
	14	★	★	★	★	★	★	★
	31	★	★	★	★	★	★	★
	32	★	★	★	★	★	★	★
	31-F77	★	★	★	★	★	★	★
	32-F77	★	★	★	★	★	★	★
	32-F512	★	★	★	★	★	★	★
	11		★		★			
	12		★					
XLA	11/11B		★					
	12/12B		★					
	31/31B		★					
XLB	32/32B		★					
	31/32-PCS		★					
	31/32-PCV		★					
XLB	31/32-PCH-L		★					
	31/32-PCH-R		★					
	31/32-PCS		★					
	31/32-PCV		★					
XLM	31/32-PCH-L		★					
	31/32-PCH-R		★					

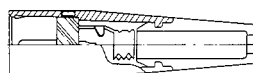
Shell Styles

● Female Plug



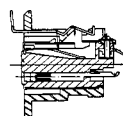
Type ; 11, 11B, 11C

● Male Plug



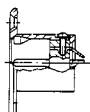
Type ; 12, 12B, 12C

● Female Flange Receptacle



Type ; 13
31, 31B,
41, 41B,
31-F77

● Male Flange Receptacle



Type ; 14
32, 32B,
42, 42B,
32-F77,
32-F512

XLB2

XLB2 Features

- Streamlined shell design
- Internal cable clamp
- Separate ground contact
- Quick disconnect latch lock
- Glass-filled nylon insulator (UL94V-0)
- Solder termination
(Crimp contact available on 3 position female plug)
- Interchangeable/intermateable with XLR, XLA, XLG, XLB-PC, XLM
- 2 shell colors, nickel silver and black

Applications

- Microphones
- Tuners
- Medical Instruments
- VCRs
- Speakers
- Amplifiers
- Mixers
- Equalizers
- TV Cameras
- D/C Converters
- Test Instruments

Standard Data

Specifications(Detail p4)

Rated Current	5A-15A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000M Ω min.at 500VDC
Contact Resistance	2A, 3 : 10m Ω MAX 4 : 13m Ω MAX 5,6A,7 : 15m Ω MAX

Materials(Finishes)

	Silver Shell	Black Shell	Crimp
Contacts	Copper Alloy(Silver)	Copper Alloy(Gold Flash)	Copper Alloy(Silver)
Insulator : Socket	PBT Glass-filled	PBT Glass-filled	PBT Glass-filled
: Pin	Nylon	Nylon	—
Shell			
11/12/31/32	Zinc Alloy(Nickel)	Zinc Alloy(Black)	Zinc Alloy(Nickel)
41/42	Aluminum Alloy(Nickel)	Aluminum Alloy(Black)	—
Barrel	Steel	Steel	Steel
Bushing	PVC	PVC	PVC

How To Order

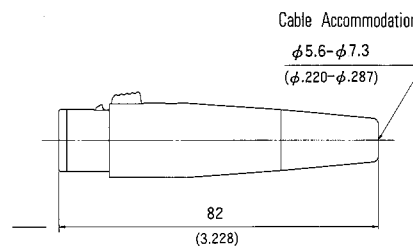
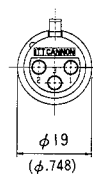
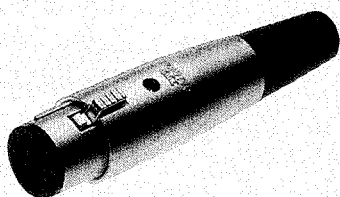
● Series Prefix	XLB2	3	11	*	*	*
● Contact Arrangements	2A, 3, 4, 5, 6A, 7 (SEE PAGE 4)					
● Shell Styles	11 — Female Plug 12 — Male Plug 31 — Female Flange Receptacle 32 — Male Flange Receptacle 41 — Small Female Flange Receptacle 42 — Small Male Flange Receptacle					
● Shell Color	Blank — Silver Shell, Silver Plated Contacts B — Black Shell, Gold Flash Contacts					
● Modifications	F — Crimp Contacts Type (3 Position Female Plug Only)					

XLB2

Plugs

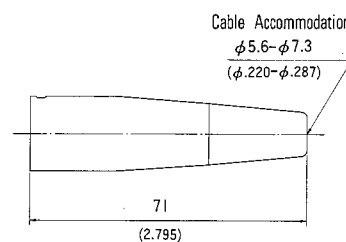
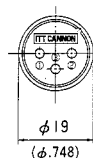
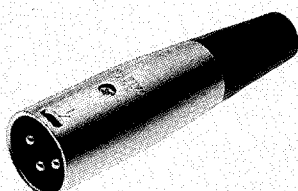
Female Plug

XLB2-* -11



Male Plug

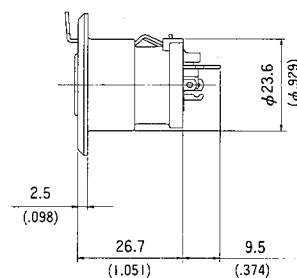
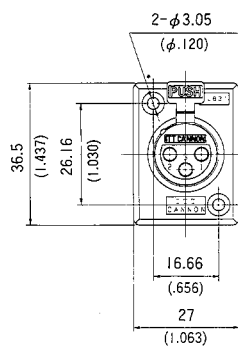
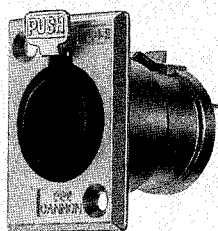
XLB2-*-12



Receptacles

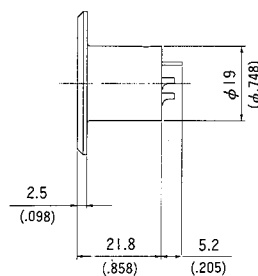
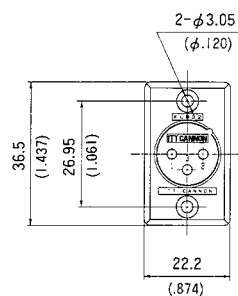
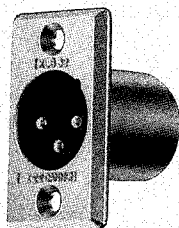
Female Flange Receptacle

XLB2-* -31



Male Flange Receptacle

XLB2-* -32



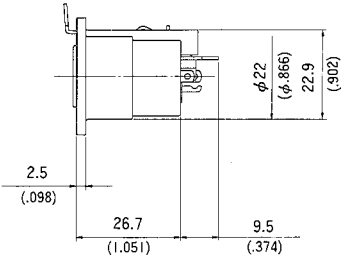
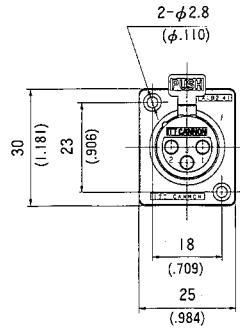
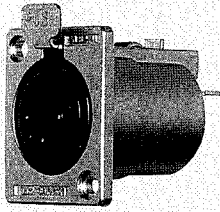
ITT Cannon

Dimensions are shown in millimeters (inches).
Dimensions subject to change.

XLB2

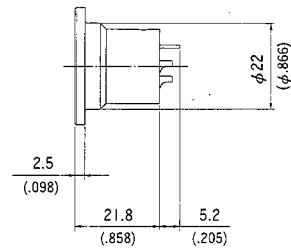
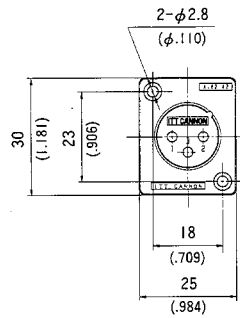
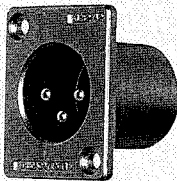
Small Female Flange Receptacle

XLB2-* -41



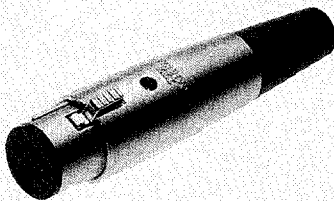
Small Male Flange Receptacle

XLB2-* -42

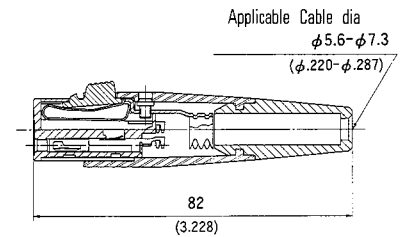
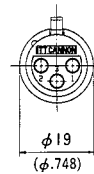


Female Plug for Crimp Contacts

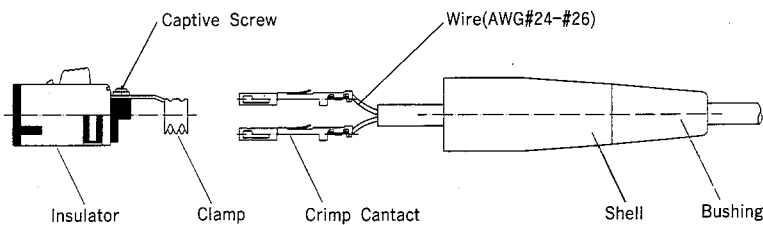
XLB2-* -11F



(Contacts must be ordered separately)



Termination Procedure



- (1) Insert the cable through the bushing and the shell
- (2) Strip the wire
- (3) Crimp the contact on to the wire.
- (4) Insert the crimped contact through the insulator
- (5) Crimp the clamp on to the cable.
- (6) Insert the socket insert assembly into the shell
- (7) Tighten the captive screw

Hand Crimp Tool

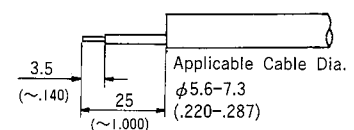
CCT-XLB2-3

Reeled Contacts

(Contain 4,500 Contacts)

127000-2260

Recommended
Wire Preparation



ITT Cannon

Dimensions are shown in millimeters (inches).
Dimensions subject to change.

■ XLR Features

- Rugged design to withstand extreme field use.
- Resilient socket insulator which maximizes performance in humid conditions and minimizes vibration and electrical noise.
- Highly reliable machined contacts
- Quick disconnect latch lock
- Low reflectivity satin finish
- Interchangeable & intermateable with XLB2, XLA, XLG, XLB-PC, XLM

■ Applications

- Microphones
- Test Instruments
- Mixers
- D/C Converters
- Amplifiers
- TV Cameras
- Speakers
- VCRs
- Medical Instruments
- Tuners
- Equalizers

■ Standard Data

● Specifications(Detail p4)

Rated Current	5A-15A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000M Ω min.at 500VDC
Contact Resistance	2A, 3, 4, : 5m Ω MAX 5, 6, 6A, 7 : 10m Ω MAX

● Materials(Finishes)

Contacts	Copper Alloy(Silver) (Gold contacts available)
Insulator	Socket : Chloroprene Pin : Nylon
Shell	Aluminum Alloy (Satin Nickel)
Barrel	Steel
Bushing	Chloroprene

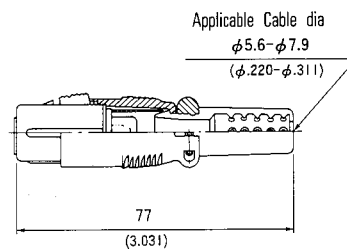
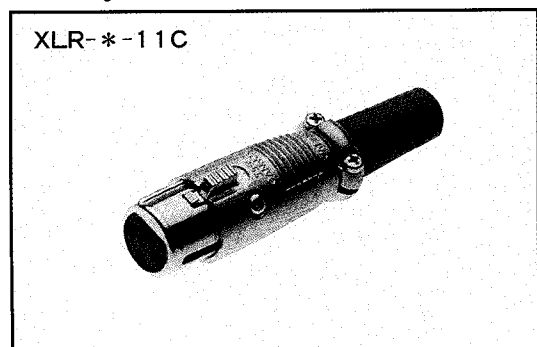
■ How To Order

			XLR-3-11C-**-*
● Series Prefix	-----		
● Contact Arrangements	-----		
	2A, 3, 4, 5, 6, 6A, 7	(SEE PAGE 4)	
● Shell Styles	-----		
	11C — Female Plug		
	12C — Male Plug		
	13 — Female Round Flange Receptacle		
	14 — Male Round Flange Receptacle		
	31 — Female Flange Receptacle		
	32 — Male Flange Receptacle		
● Modifications	-----		
	F77 — Rectangular Small Flange (Receptacle 31 and 32)		
	F512 — Rectangular Mini-Flange (Receptacle 32 only)		
	A176 — Gold Plated Contacts		

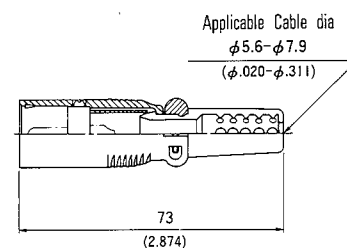
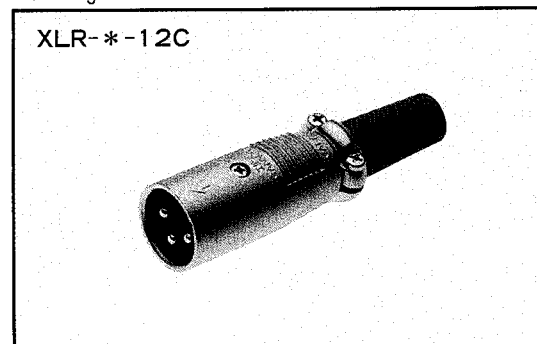
* Black shell available. Contact Factory

Plugs

Female Plug

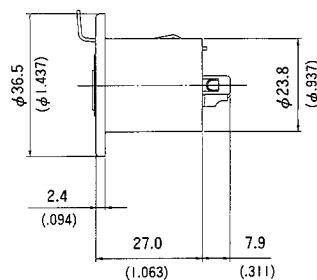
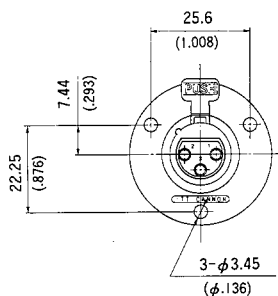
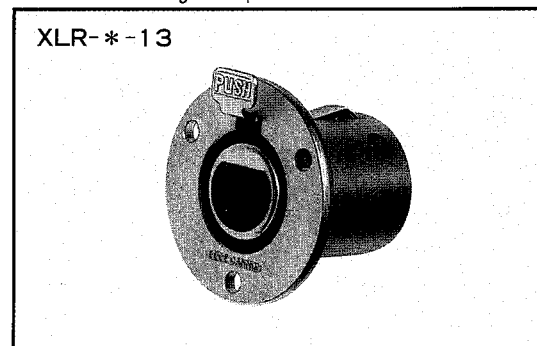


Male Plug

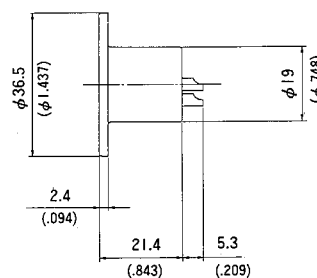
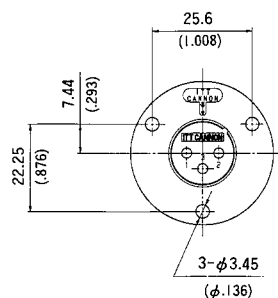
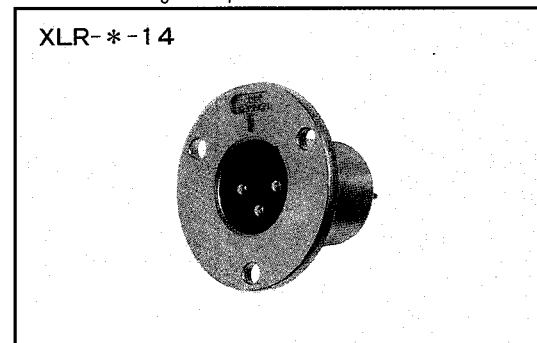


Receptacles

Female Round Flange Receptacles

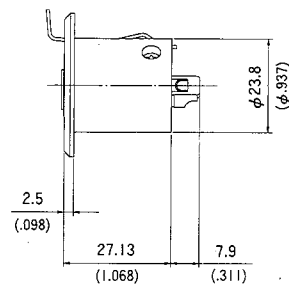
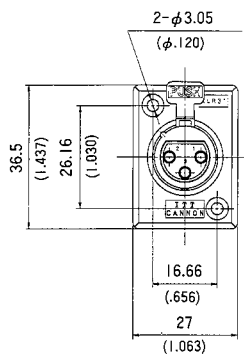
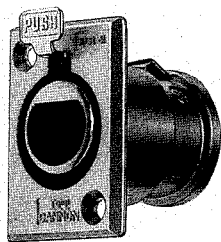


Male Round Flange Receptacles



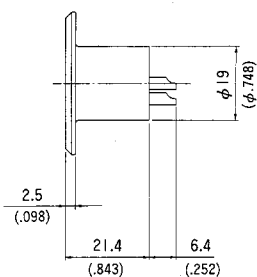
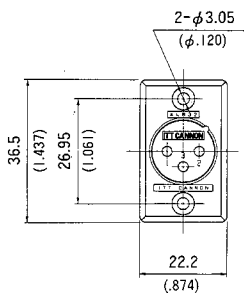
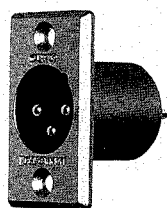
Female Flange Receptacle

XLR-* -31



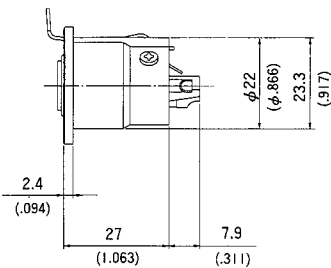
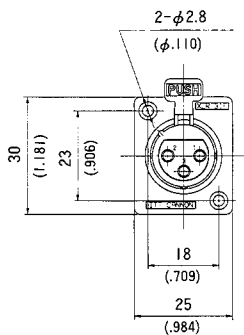
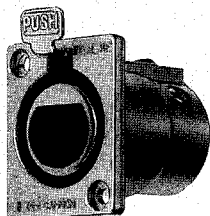
Male Flange Receptacle

XLR-* -32



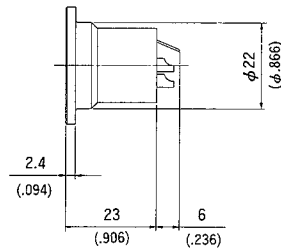
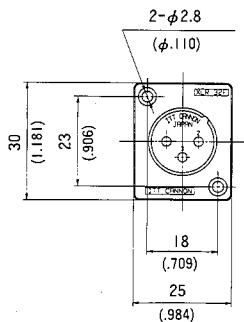
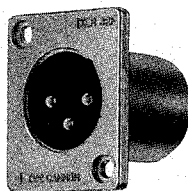
Small Female Flange Receptacle

XLR-* -31-F77



Small Male Flange Receptacle

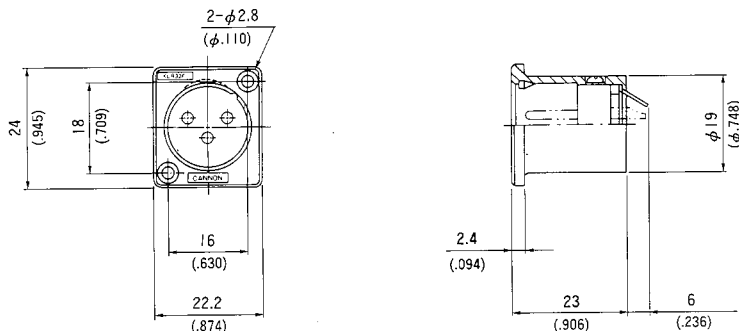
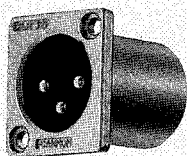
XLR-* -32-F77



XLR

Male Mini Flange Receptacle

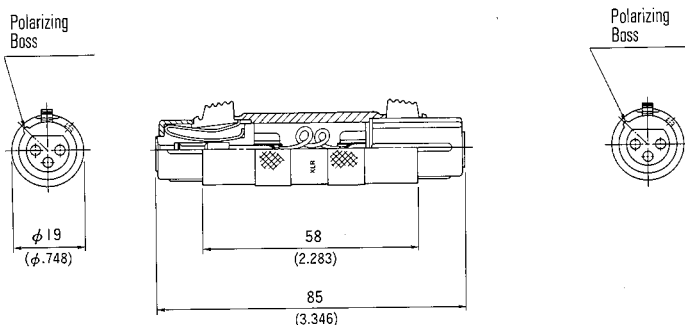
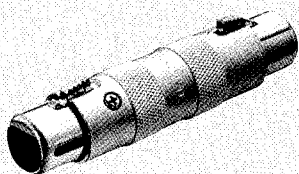
XLR-*-32-F512



Bulkhead-Adapters

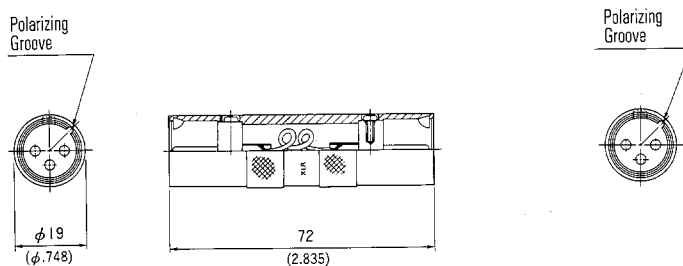
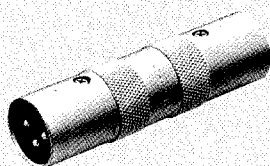
Female-Female Bulkhead

XLR-*-11-11



Male-Male Bulkhead

XLR-*-12-12



Dust Caps

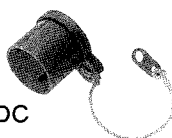
Plastic

Metallic

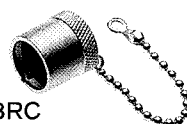
For use with
(Shell styles)

Female Cap

XLR-SDC



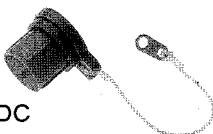
XLR-13RC



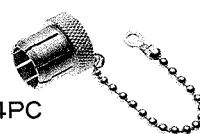
11, 11B, 11C,
13, 31, 31B,
41, 41B, 31-F77

Male Cap

XLR-PDC



XLR-14PC



12, 12B, 12C,
14, 32, 32B,
42, 42B, 32-F77,
32-F512

■XLA Features

- Glass-filled nylon insulator (UL94V-0)
- Low cost XLR
- Low reflectivity satin finish
- Quick disconnect latch lock
- Interchangeable & intermateable with XLB2, XLR, XLG, XLB-PC, XLM

■Applications

- Microphones
- Audio Interconnecting Cables
- Test Instruments

■Standard Data

● Specifications(Detail p4)

Rated Current	3 position ; 10A
	5 position ; 7.5A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000M Ω min.at 500VDC
Contact Resistance	3 : 10m Ω MAX
	5 : 15m Ω MAX

● Materials(Finishes)

Contacts	Copper Alloy(Silver)
Insulator	Socket : PBT Glass-Filled
	Pin : Nylon
Shell	Zinc Alloy(Nickel)
Barrel	Stainless Steel
Bushing	Chloroprene

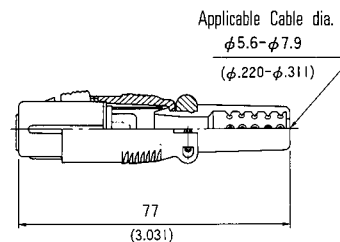
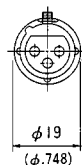
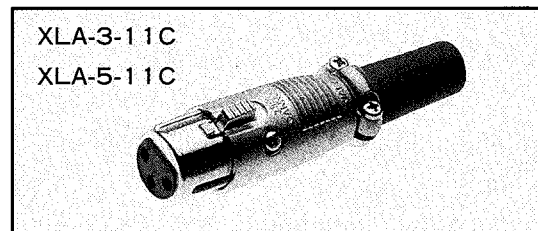
■How To Order

- Series Prefix -----
 - Contact Arrangements -----
 - Shell Styles -----
- 3, 5 (11C only)
- 11C — Female Plug
12C — Male Plug (3 Position Only)

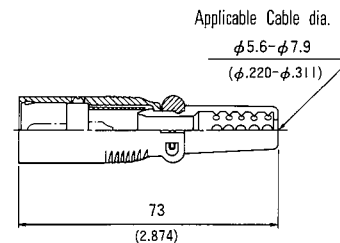
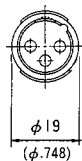
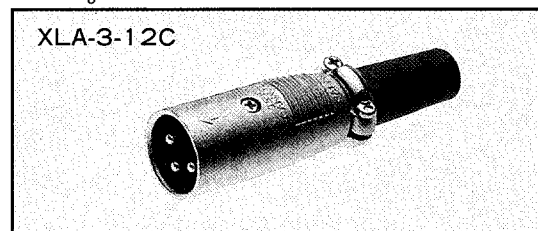
XLA-3-11C

■Plugs

Female Plug



Male Plug



■XLG Features

- Oxygen Free Copper contact for superior crystalline pure sound.
- Resilient socket insulator for best performance in humid conditions - minimizes vibration and electrical noise
- UL approved insulator and bushing
- Rugged design to withstand extreme field use
- Quick disconnect latch look
- Interchangeable & intermateable with XLB2, XLA, XLR, XLB-PC, XLM

■Oxygen Free Copper

The contact material of the XLG series, supplied by HITACHI CABLE Ltd., is the linear crystal OFC(LC-OFC) Class 1 fabricated using a proprietary degassing technique. OFC Class 1 has close to zero contamination in its crystalline structure, being almost free from Hydrogen gas.

※LC-OFC : Linear Crystal Oxygen Free Copper

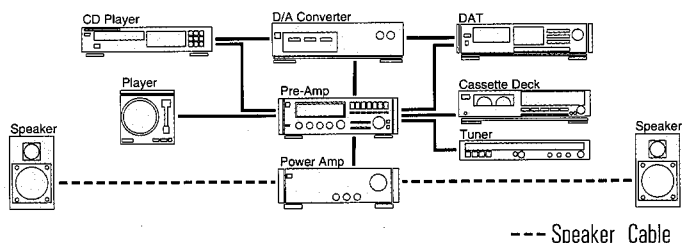
■Applications

- Amplifiers
- Tuners
- DATs
- D/C Converters
- CD Players
- Equalizers
- Speakers

*Interconnecting cable : p22

- Analysis example of Hydrogen gas content ; 0.2/0.4PPM

Impurities contained in the crystal have been minimized as well as the number of crystal boundaries. Thus AV signal distortion and attenuation are reduced to an ideal level and 100% AV quality is assured.



■Standard Data

● Specifications(Detail p4)

Rated Current	15A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000MΩmin.at 500VDC
Contact Resistance	5mΩMAX

● Materials(Finishes)

Contacts	Copper LC-OFC class 1 (Gold)
Insulator Socket	Chloroprene
pin	Nylon
Shell	Aluminum Alloy (Satin Nickel)
Barrel	Stainless Steel
Bushing	Chloroprene

■How To Order

● Series Prefix

● Contact Arrangements

3

● Shell Styles

- 11 — Female Plug
- 12 — Male Plug
- 31 — Female Flange Receptacle
- 32 — Male Flange Receptacle

● Shell Color

- Blank — Silver Shell (Nickel Plating), Gold Plated Contacts
- R — Black Shell, Gold Plated Contacts

● Modifications

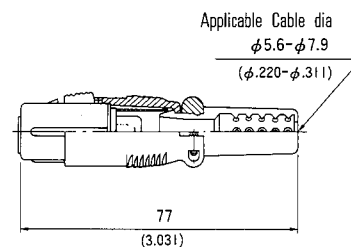
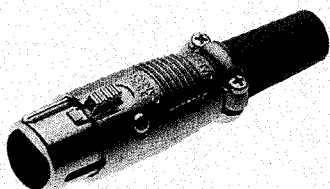
- B — Black Bushing (11 and 12)
- R — Red Bushing (11 and 12)

XLG-3-11 * - *

Plugs

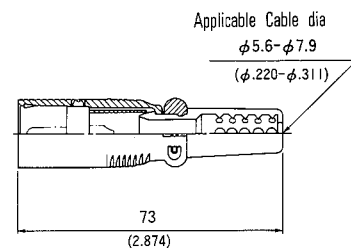
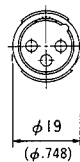
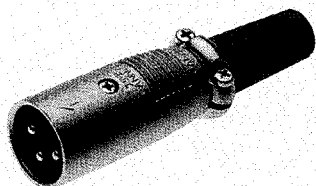
Female Plug

XLG-3-11



Male Plug

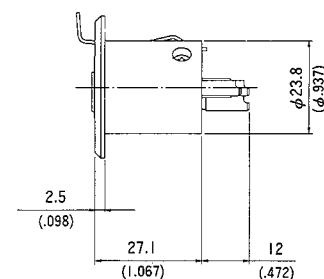
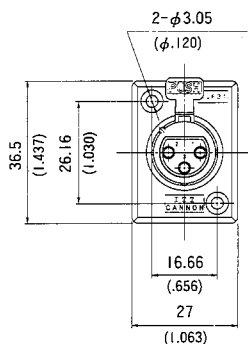
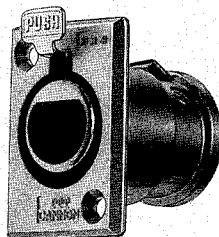
XLG-3-12



Receptacles

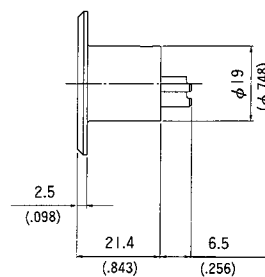
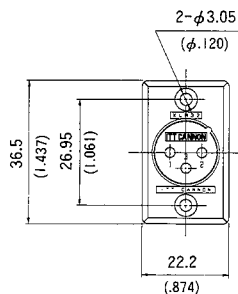
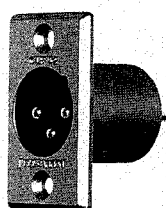
Female Flange Receptacle

XLG-3-31



Male Flange Receptacle

XLG-3-32



XLB-Printed Circuit Board

Features

- P. C. B. mount type (Plastic shell)
- Nylon insulator (UL94V-0)
- Quick disconnect latch lock
- Low cost
- Separate ground contact
- Lightweight design
- Easy installation
- Intermateable with XLB2, XLR, XLA, XLG

Applications

- Amplifiers
- Equalizers
- Audio Mixers
- Communications
- Test Instruments
- Computers
- Peripheral Devices
- Medical Electronics

Standard Data

Specifications (Detail p4)

Rated Current	3A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000MΩmin. at 500VDC
Contact Resistance	PCS : 20mΩMAX PCV : 30mΩMAX PCH : 50mΩMAX

Materials (Finishes)

Contacts	Copper Alloy (Silver)
Insulator	Nylon
Shell	Nylon
Barrel	Stainless Steel

How To Order

XLB-3-31-PCS-*

● Series Prefix -----

● Contact Arrangements -----

3

● Shell Styles -----

31 — Female Flange Receptacle
32 — Male Flange Receptacle

● Termination (Printed Circuit Board) -----

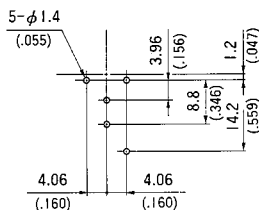
PCS — Straight Termination
PCV — Vertical 90° Termination
PCH-L — Horizontal Left Side Termination (Rear View)
PCH-R — Horizontal Right Side Termination (Rear View)

● Modifications -----

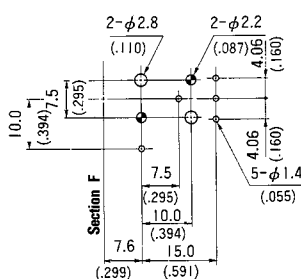
M01 — With Grounding Lug (PCS, PCV only)

P.C. Board Hole Patterns (Ref.)

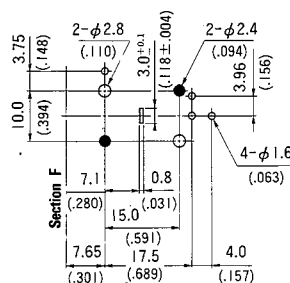
XLB-3-31PCS-M01
XLB-3-32PCS-M01



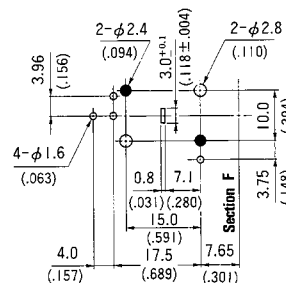
XLB-3-31PCV-M01
XLB-3-32PCV-M01



XLB-3-31PCH-L
XLB-3-32PCH-L



XLB-3-31PCH-R
XLB-3-32PCH-R



※ Section F refers to position of Flange front face.

ITT Cannon

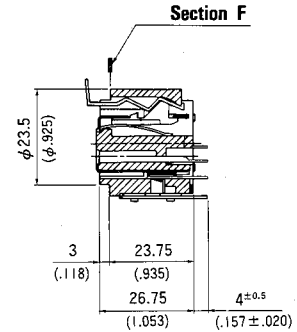
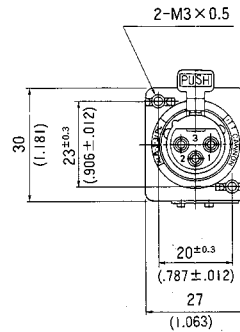
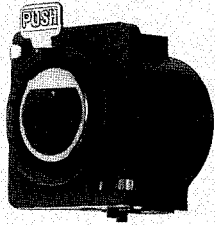
Dimensions are shown in millimeters (inches).
Dimensions subject to change.

XLB-Printed Circuit Board

Female Flange Receptacles

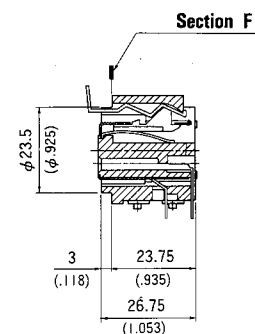
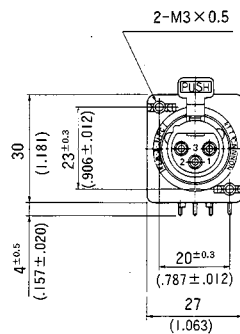
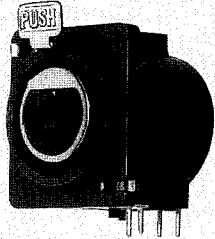
Straight Termination

XLB-3-31PCS-MO1



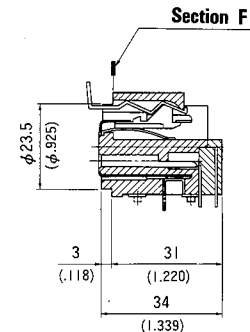
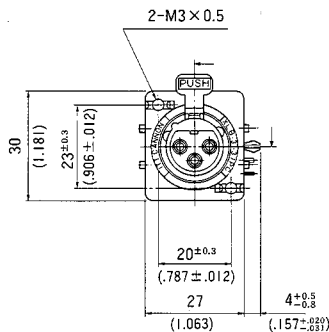
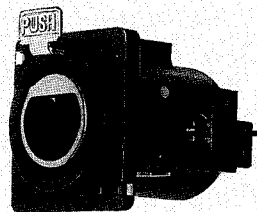
Vertical 90° Termination

XLB-3-31PCV-MO1



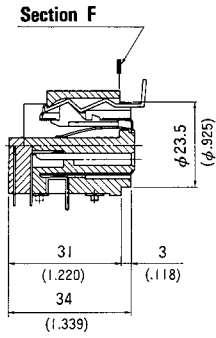
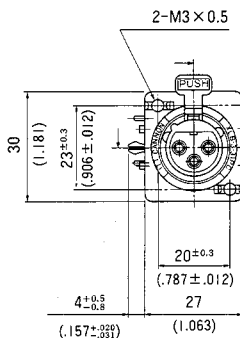
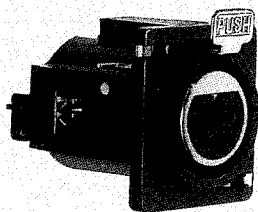
Horizontal Left Side Termination. (Rear View)

XLB-3-31PCH-L



Horizontal Right Side Termination. (Rear View)

XLB-3-31PCH-R

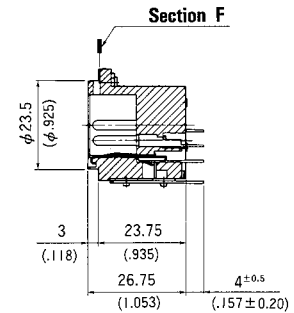
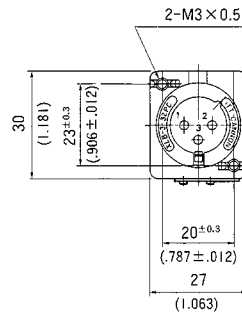
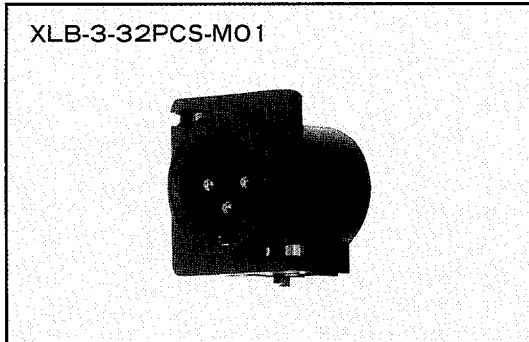


※ Section F refers to position of Flange front face.

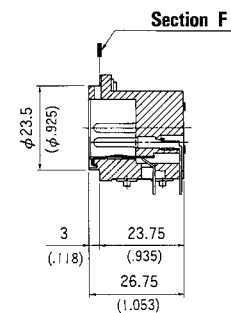
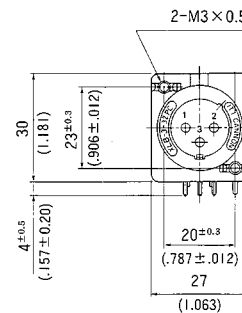
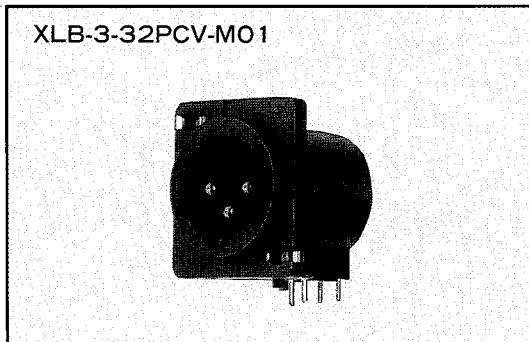
XLB-Printed Circuit Board

Male Flange Receptacles

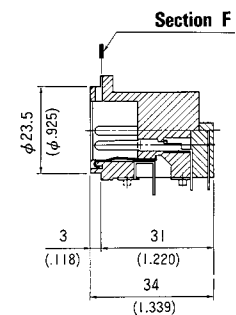
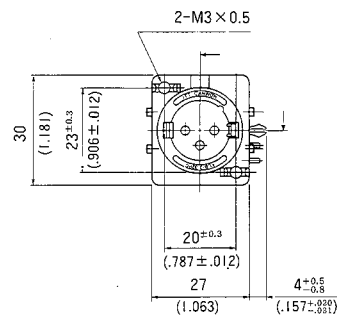
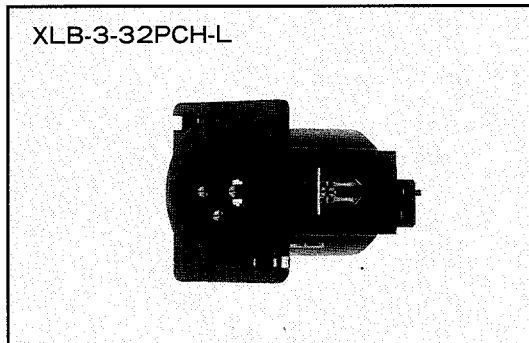
Straight Termination



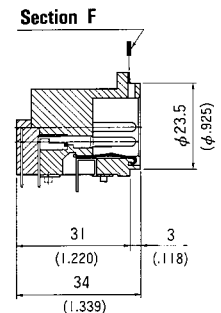
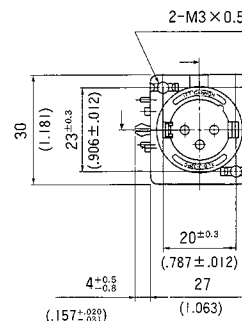
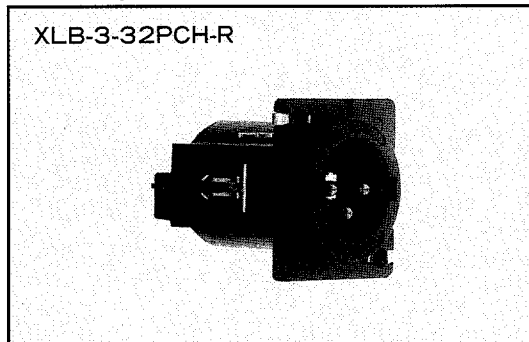
Vertical 90° Termination



Horizontal Left Side Termination (Rear View)



Horizontal Right Side Termination (Rear View)



※ **Section F** refers to position of Flange front face.

XLM-Printed Circuit Board

Features

- P. C. B. mount type (Metal shell)
- Glass-filled nylon insulator (UL94V-0)
- Improved EMI Shielding
- Space-saving (smaller shell)
- Snap-in P. C. B. retention
- Quick disconnect latch lock
- Separate ground contact
- Intermateable with XLB2, XLR, XLA, XLG
- With Grounding Lug

Application

- Amplifiers
- Test Instruments
- Equalizers
- Computers
- Audio mixers
- Medical Electronics
- Communications
- Peripheral Devices

Standard Data

Specifications(Detail p4)

Rated Current	3A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000Ωmin. at 500VDC
Contact Resistance	PCS : 20mΩMAX PCV : 30mΩMAX PCH : 50mΩMAX

Materials(Finishes)

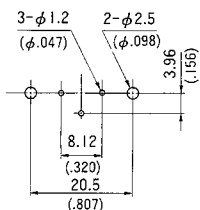
Contacts	Copper Alloy(silver)
Insulator Socket	PBT Glass-filled
Pin	Nylon
Shell/Barrel	Zinc Alloy(Nickel)

How To Order

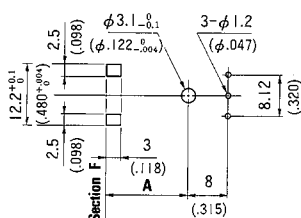
● Series Prefix	XLM
● Contact Arrangements	3
● Shell Styles	31 — Female Flange Receptacle 32 — Male Flange Receptacle
● Termination (Printed Circuit Board)	PCS — Straight Termination PCV — Vertical 90° Termination PCH-L — Horizontal Left Side Termination (Rear View) PCH-R — Horizontal Right Side Termination (Rear View)

P.C. Board Hole Patterns.(Ref.)

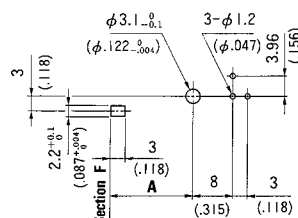
XLM-3-31PCS
XLM-3-32PCS



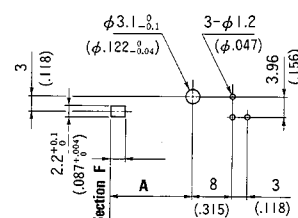
XLM-3-31PCV
XLM-3-32PCV



XLM-3-31PCH-L
XLM-3-32PCH-L



XLM-3-31PCH-R
XLM-3-32PCH-R



	A mm(inch)
XLM-3-31	16.5 (.650)
XLM-3-32	15.5 (.610)

※ Section F refers to position of Flange front face.

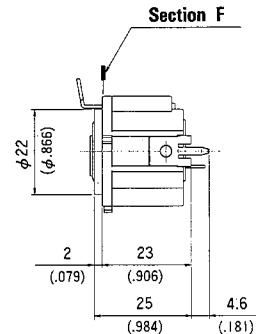
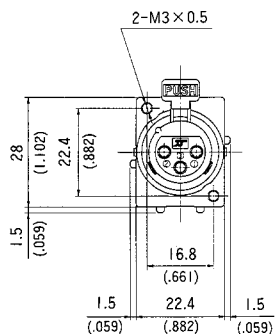
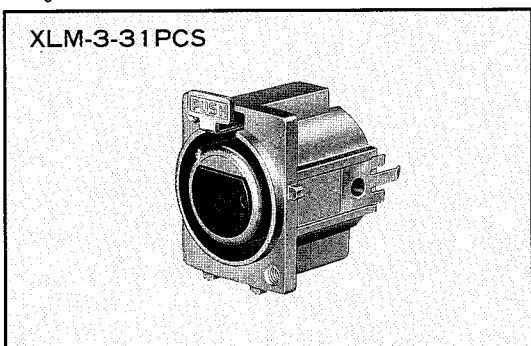
ITT Cannon

Dimensions are shown in millimeters (inches).
Dimensions subject to change.

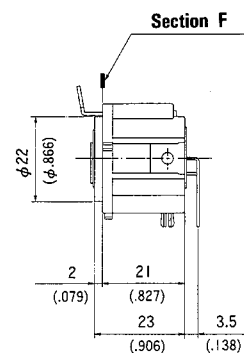
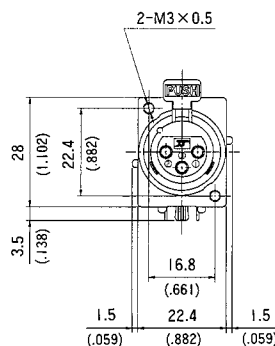
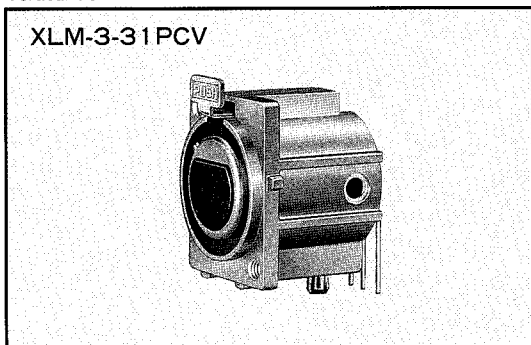
XLM-Printed Circuit Board

Female Flange Receptacles

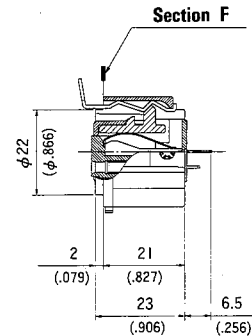
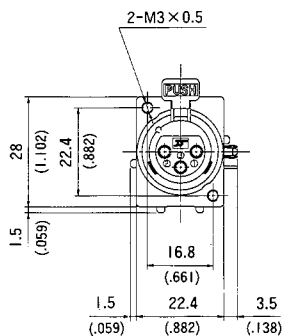
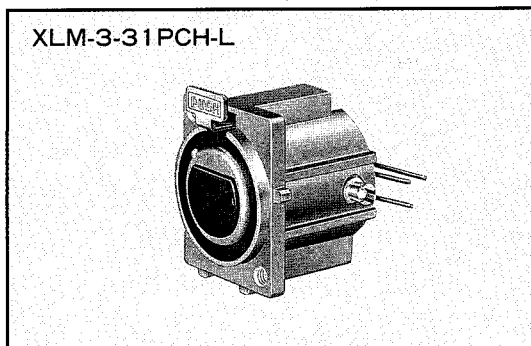
Straight Termination



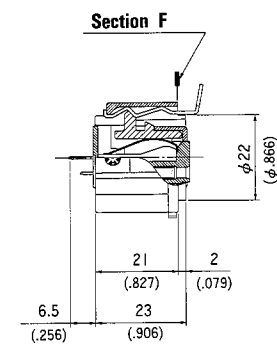
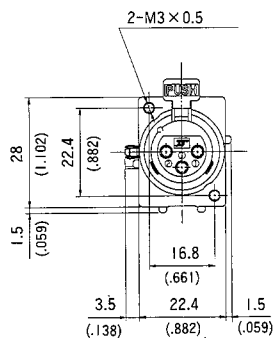
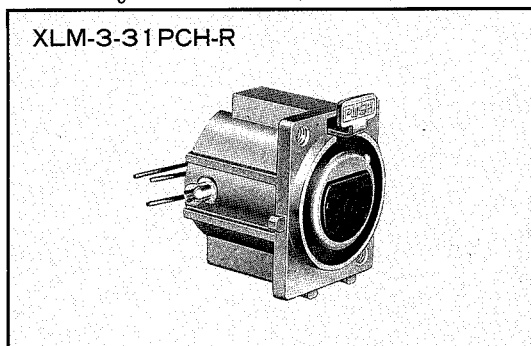
Vertical 90° Termination



Horizontal Left Side Termination (Rear View)



Horizontal Right Side Termination (Rear View)



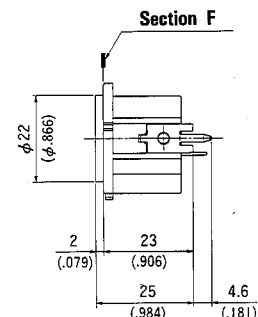
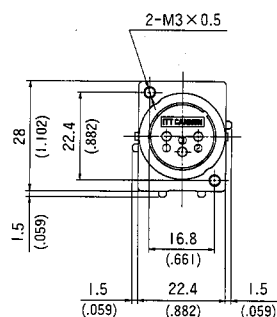
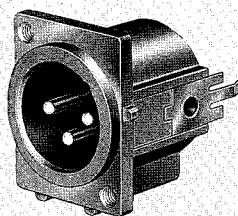
※ Section F refers to position of Flange front face.

XLM-Printed Circuit Board

Male Flange Receptacles

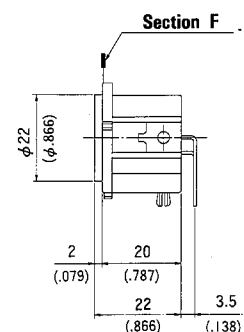
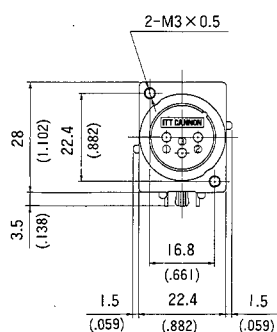
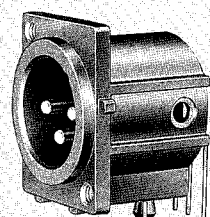
Straight Termination

XLM-3-32PCS



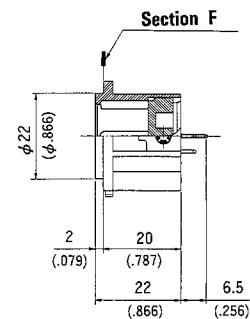
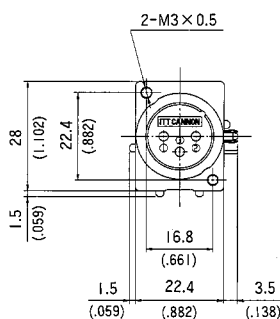
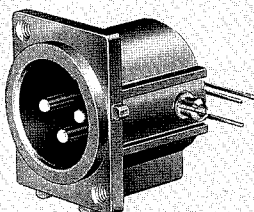
Vertical 90° Termination

XLM-3-32PCV



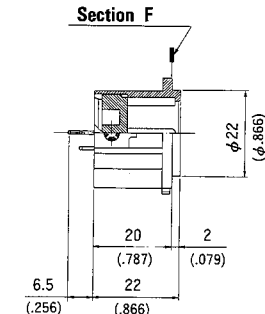
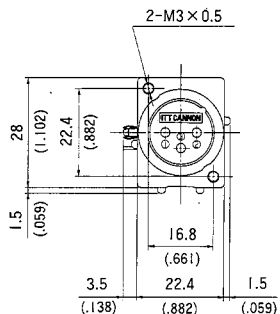
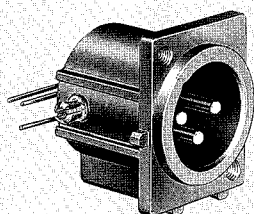
Horizontal Left Side Termination (Rear View)

XLM-3-32PCH-L



Horizontal Right Side Termination (Rear View)

XLM-3-32PCH-R

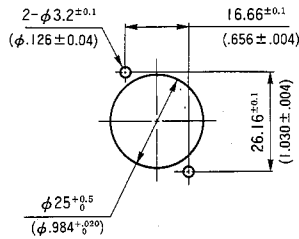


※ Section F refers to position of Flange front face.

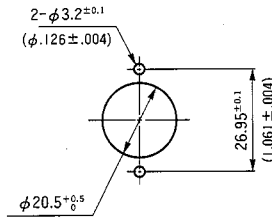
Panel Cutouts

Panel Cutout Dimensions(Ref.)

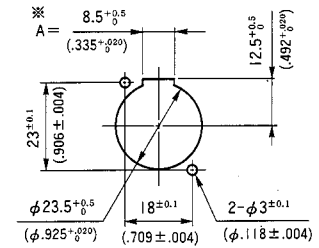
XLB2-*-31
XLR-*-31



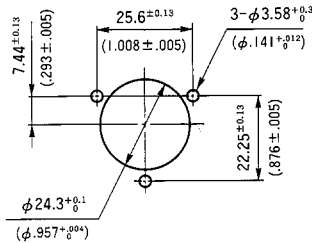
XLB2-*-32
XLR-*-32



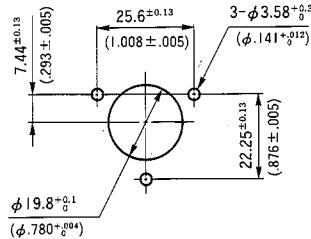
XLB2-*-41/42
XLR-*-31/32-F77



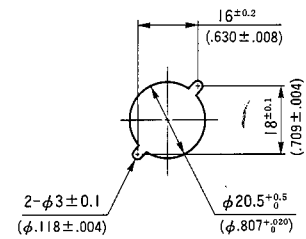
XLR-*-13



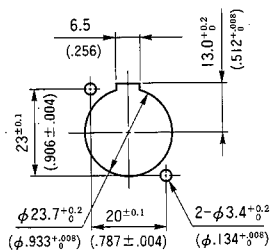
XLR-*-14



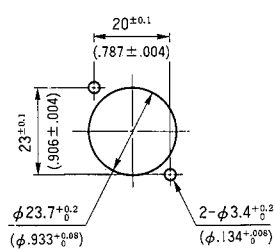
XLR-*-32-F512



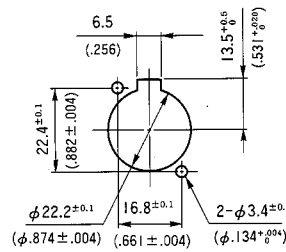
XLB-3-31PCS/PCV/PCH- $\frac{1}{R}$



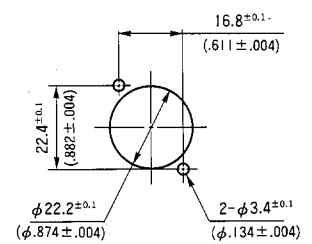
XLB-3-32PCS/PCV/PCH- $\frac{1}{R}$



XLM-3-31PCS/PCV/PCH- $\frac{1}{R}$



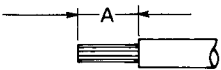
XLM-3-32PCS/PCV/PCH- $\frac{1}{R}$



※Note:Omit A dimension for type 32 & 42 receptacles.

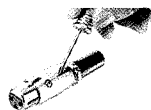
Assembly Instructions

①Strip Wire



NO. of Contacts	Strip Length mm (inches)
2,3	6~7(236~.276)
4	5~6(197~.236)
5,6	4.5~5.5(177~.217)
7	2.5~3.5(998~.138)

②Disassemble



Loosen screw at shell and disassemble insert assembly. loosen clamp screw.

③Insert Cable



Insert stripped cables through bushing, shell and insulation tube.

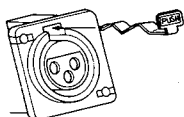
④Reassemble



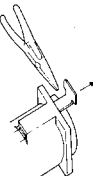
Solder leads to contacts and reassemble.

Latch Lever

1. Assembling



2. Removing

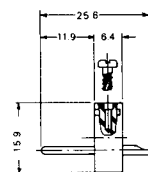


Latch lever can be assembled and removed by turning the lever 15° with pliers as shown above.

Pin Insert Assembly

Pin Inserts can be assembled into microphones and other applications to mate with socket plugs.

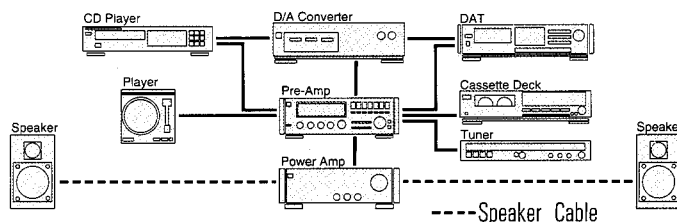
Socket insert assembly is also available. Please consult factory.



Dimensions are shown in millimeters (inches).
Dimensions subject to change.

AUDIO INTERCONNECTING CABLES

ITT Cannon offers the highest quality audio cables and connectors. Cable assemblies made with the XLG connector and cable made from Hitachi LC-OFC Class 1, 99.99998% pure copper, provide superior ultra clean sound.



How To Order

● Series Prefix	CC	Connector with Cable
● Number of Contacts	3, 4	
● Shell Arrangements	11 — Female to Female 12 — Female to Male 22 — Male to Male	
● Cable Type	Blank — Standard Type DX — Oxygen Free Copper	
● Cable length (×10cm)	003, 005, 010, 015, 020, 030 050, 070, 100, 150, 200	(ex. 005=50cm)
● Color (XLG; Bushing, XLR; Cable)	B — Black R — Red G — Gray (XLR only)	

CC-3 12-DX-005-B

Deluxe Version — Oxygen Free Copper (LC-OFC Class 1) —

Appearance	Type	Description	L(cm)	Coupling Structure
 XLG3-11 XLG3-12	Balance Interconnecting Cable	CC312DX-005 CC312DX-010 CC312DX-015	50 100 150	 XLG3-11 XLG3-12
 XLG3-11 XLG3-11		CC311DX-005 CC311DX-010 CC311DX-015	50 100 150	 XLG3-11 XLG3-11
 XLG3-12 XLG3-12		CC322DX-005 CC322DX-010 CC322DX-015	50 100 150	 XLG3-12 XLG3-12

(Cable color is green only)

Standard Version

Appearance	Type	Description	L(cm)	Coupling Structure
 XLR3-11C XLR3-12C	Microphone Cable	CC312-003 CC312-005 CC312-010 CC312-015 CC312-020 CC312-030 CC312-050 CC312-070 CC312-100 CC312-150 CC312-200	30 50 100 150 200 300 500 700 1000 1500 2000	 XLR3-11C XLR3-12C
 XLR3-11C XLR3-11C		CC311-003 CC311-005 CC311-010 CC311-015 CC311-050 CC311-100	30 50 100 150 500 1000	 XLR3-11C XLR3-11C
 XLR3-12C XLR3-12C		CC322-003 CC322-005 CC322-010 CC322-015 CC322-050 CC322-100	30 50 100 150 500 1000	 XLR3-12C XLR3-12C
 XLR4-11C XLR4-12C	Speaker Cable	CC412-003 CC412-005 CC412-010 CC412-050 CC412-050 CC412-100 CC412-150	30 50 100 500 1000 1500	 XLR4-11C XLR4-12C

ITT Cannon

Dimensions are shown in millimeters (inches).
Dimensions subject to change.

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FAX: (0222)2160948

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B-1140 Brussels, Belgium

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FAX: (02)7335101

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4 Cannon Court

Whitby, Ontario L1N5V8

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DK-2600 Glostrup

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FAX: (043) 43 58 58

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