



1/4" PHONE CONNECTORS

Amphenol offers two ranges of 1/4" Phone plug connectors to satisfy the needs of the manufacturer and the end user. The PRO – a heavy duty on-road plug and the MUSICIAN - a solid performing general use plug. Both series offer different features and benefits and the most suitable type will be determined by application, budget and personal choice.

Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – PRO RANGE 1/4" Phone Plug T-Series.

- Mono or Stereo (TRS)
- Switching Plugs
- Stylish shell design with Ergonomic grip
- Nickel or Gold contact plating
- Straight or Right Angle
- Keyed Shell
- Optional heavy duty metal backshell / boot
- Great solderability
- Increased solder area on ground contact
- "Jaws" Cable Clamp
- Precision machined contacts
- Coloured Grommet
- JUMBO Series Plugs

Features / Options – MUSICIAN RANGE 1/4" Phone Plug

- Mono or Stereo (TRS)
- Compact Shell
- Straight or Right angle
- Stylish shell design
- Flexible grommet cable protection
- Nickel or Gold contact plating
- Satin Nickel or Black finish
- Diecast shell
- Coloured Grommet

Jaws Cable Clamp Options for T-Series*



Standard Jaws cable clamp (Black), Cable O.D 3mm to 6mm (0.118" to 0.236")



Large Jaws cable clamp (Purple), Cable O.D 6mm to 7.5mm (0.236" to 0.295")

*Note: Applicable to T-Series straight cable connectors only. Refer to page 98 for right angle connector Jaws cable clamp specifications.

Musician Range Cable Clamp Options



M-Series, Cable O.D 3mm to 6.5mm (0.118" to 0.256")



M-Series II, Cable O.D 3mm to 8mm (0.118" to 0.315")

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.



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**Features:**

- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Straight or Right Angle.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Optional heavy duty metal backshell / boot.
- Great solderability.
- Increased solder area on ground contact.
- "Jaws" Cable Clamp.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Large or Small Jaws Cable Clamp, Black Shell, Metal Backshell / Boot, Bulk Pack. Coloured grommets (ordered separately)

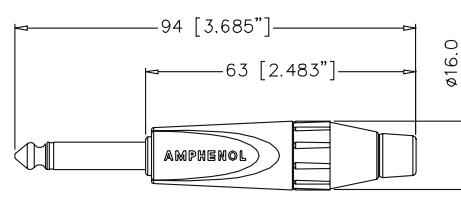
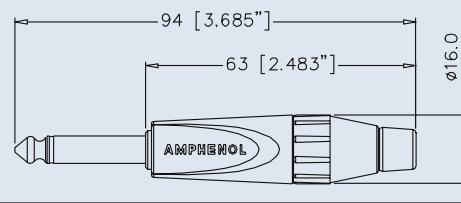
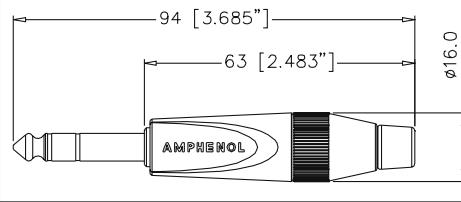
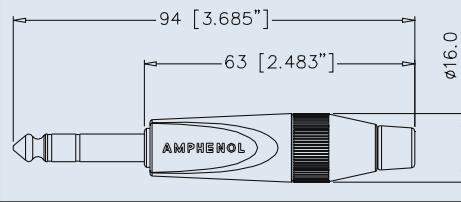
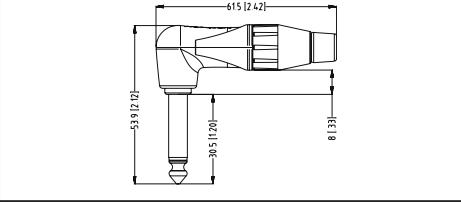
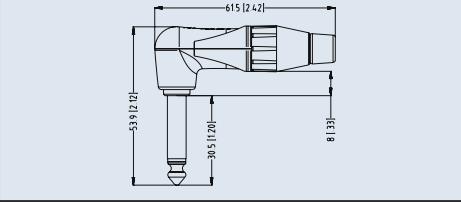
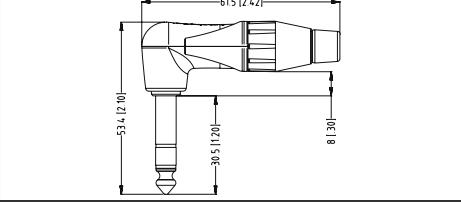
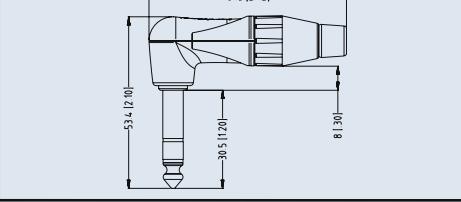
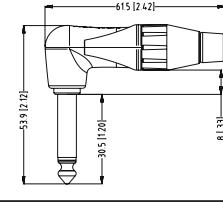
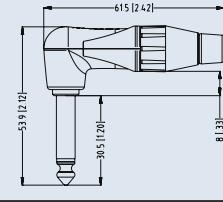
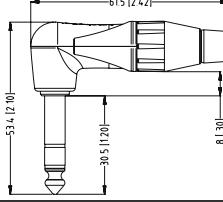
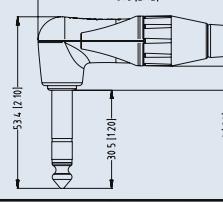
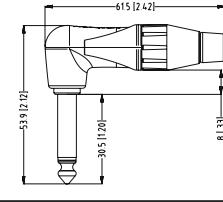
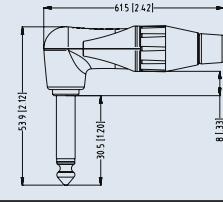
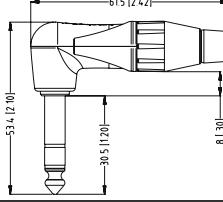
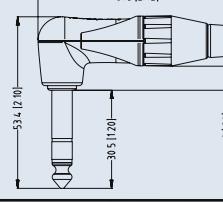
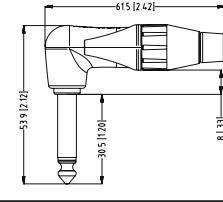
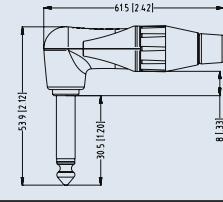
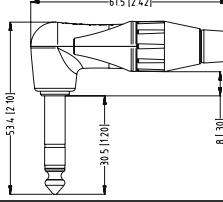
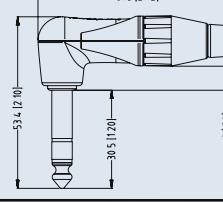
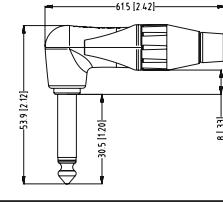
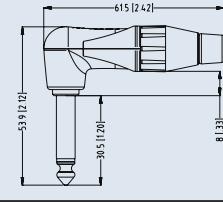
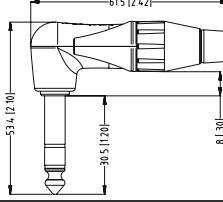
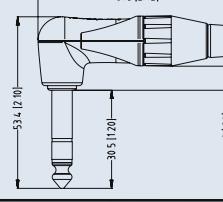
Part Number Breakdown: Page 97

Specifications: Page 98

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard	TM2P
			Gold Plated Contacts	TM2P-AU
			Large Cable Clamp	TM2PJ
			Bulk Pack	TM2P BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard	TM2PB
			Gold Plated Contacts	TM2PB-AU
			Large Cable Clamp	TM2PB-J
			Bulk Pack	TM2PB BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard	TS3P
			Gold Plated Contacts	TS3P-AU
			Large Cable Clamp	TS3PJ
			Bulk Pack	TS3P BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard	TS3PB
			Gold Plated Contacts	TS3PB-AU
			Large Cable Clamp	TS3PB-J
			Bulk Pack	TS3PB BULK



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PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TM2PN
			Gold Plated Contacts	TM2PN-AU
			Large Cable Clamp	TM2PNJ
			Bulk Pack	TM2PN BULK
		1/4" (6.35mmø) Stereo Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TS3PN
			Gold Plated Contacts	TS3PN-AU
			Large Cable Clamp	TS3PNJ
			Bulk Pack	TS3PN BULK
		1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell, Satin finish.	Standard	TM2RJ
			Gold Plated Contacts	TM2RJ-AU
			Small Cable Clamp	TM2R
			Bulk Pack	TM2RJ BULK
		1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell, Black finish.	Standard	TM2RBJ
			Gold Plated Contacts	TM2RBJ-AU
			Small Cable Clamp	TM2RB
			Bulk Pack	TM2RBJ BULK
		1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell, Satin finish.	Standard	TS3RJ
			Gold Plated Contacts	TS3RJ-AU
			Small Cable Clamp	TS3R
			Bulk Pack	TS3RJ BULK
		1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell, Black finish.	Standard	TS3RBJ
			Gold Plated Contacts	TS3RBJ-AU
			Small Cable Clamp	TS3RB
			Bulk Pack	TS3RBJ BULK



*NOTE: Refer to page 98 for Jaws cable clamp specifications applicable to right angle connectors.



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SwitchPlug



1/4" PHONE PLUGS

T-SERIES SWITCHPLUG



The Amphenol T series SwitchPlug uses a unique 360 degree precision sliding helical spring contact design to quietly and accurately switch the signal circuit safely to ground during instrument changes under load, thereby avoiding annoying thumps, pops and squeals. The sliding ring contact self-cleans every time the plug is connected preventing excessive build up of oxidation and contamination. Activation is directly off the jacks full front face assuring a positive reference point every time, and as it works instantaneously on the main circuits there is no need for the use of magnets or other elaborate switching mechanisms.

WARNING!
For use with
instrument (guitar)
applications only.

Part Number Breakdown: Page 97
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US Patent No.8,162,697

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmØ) Switch Phone plug, Jaws cable clamp, Thermoplastic back-shell, Satin finish.	Standard	TM1P
			Gold Plated Contacts	TM1P-AU
			Large Cable Clamp	TM1PJ
			Bulk Pack	TM1P BULK
		1/4" (6.35mmØ) Switch Phone plug, Jaws cable clamp, Thermoplastic back-shell, Black finish.	Standard	TM1PB
			Gold Plated Contacts	TM1PB-AU
			Large Cable Clamp	TM1PB-J
			Bulk Pack	TM1PB BULK
		1/4" (6.35mmØ) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Satin Finish.	Standard	TM1RJ*
			Gold Plated Contacts	TM1RJ-AU*
			Bulk Pack	TM1RJ BULK*
		1/4" (6.35mmØ) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Black Finish.	Standard	TM1RBJ*
			Gold Plated Contacts	TM1RBJ-AU*
			Bulk Pack	TM1RBJ BULK*

*NOTE: Refer to page 98 for Jaws cable clamp specifications applicable to right angle connectors.



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SwitchPlug

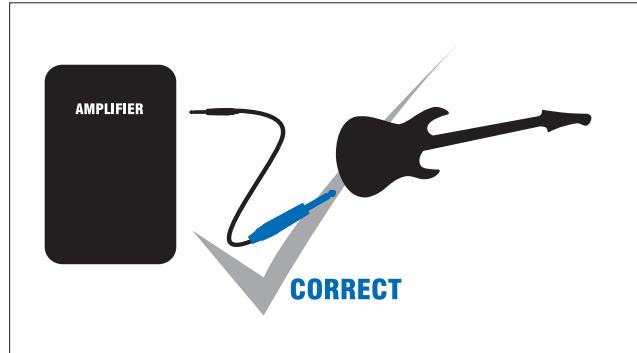
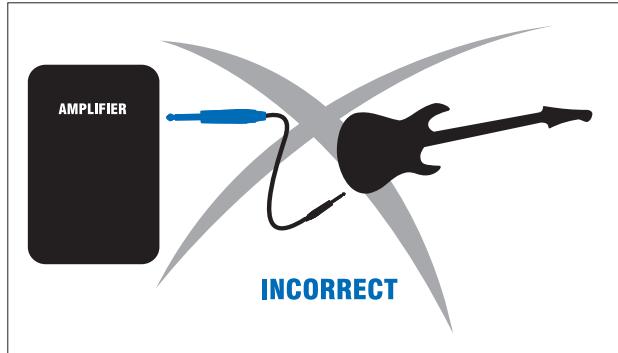


1/4" PHONE PLUGS
T-SERIES (PRO RANGE)

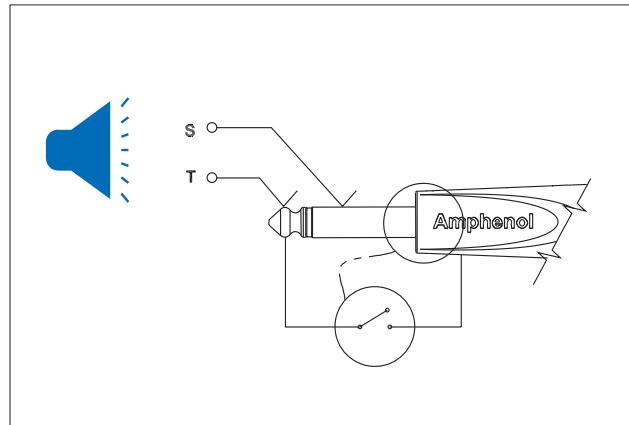
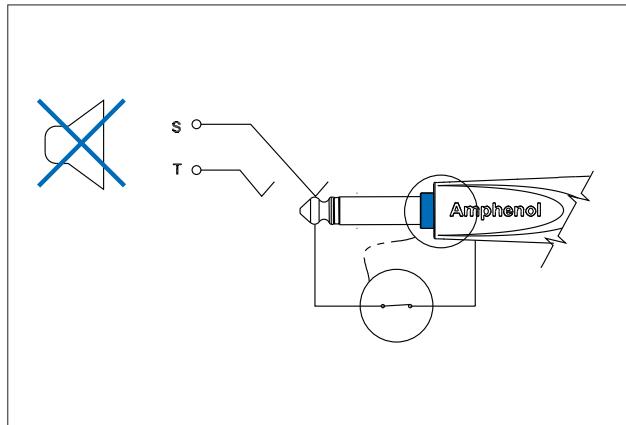
SwitchPlug - User Instruction



Use with instrument (guitar) cables only.
DO NOT connect to amplifier output.
Equipment damage may result from incorrect use.



SwitchPlug - Technology*



*US Patent No. 8,162,697



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1/4" PHONE PLUGS

JUMBO T-SERIES (PRO RANGE)



Features:

- JUMBO Cable clamping capacity
- Suits Cable OD 7.5mm (0.295") to 10.5mm (0.413")
- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Great solderability.
- Increased solder area on ground contact.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Bulk Pack.

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PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back- shell, Satin finish.	Standard	JM2P
			Gold Plated Contacts	JM2P-AU
			Bulk Pack	JM2P BULK
		1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back- shell, Black finish.	Standard	JM2PB
			Gold Plated Contacts	JM2PB-AU
			Bulk Pack	JM2PB BULK
		1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell, Satin finish.	Standard	JS3P
			Gold Plated Contacts	JS3P-AU
			Bulk Pack	JS3P BULK
		1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell, Black finish.	Standard	JS3PB
			Gold Plated Contacts	JS3PB-AU
			Bulk Pack	JS3PB BULK

NOTE: Contact factory for availability of metal backshells.



1/4" PHONE PLUGS

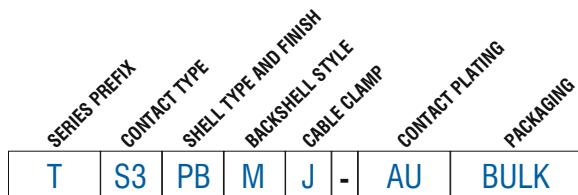
STANDARD DATA

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PART NUMBER BREAKDOWN

T-SERIES (PRO RANGE)

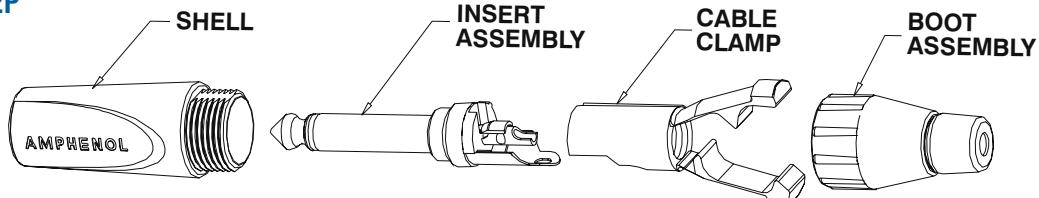
E. G. **TS3PBMJ-AU BULK**
T (Series Prefix), **S3**(Stereo), **P**lug **B**lack, **M**etal Nut (Black), **J** (Large Jaws),
- AU (Gold Plated Contacts), **BULK** Packaged.



SERIES PREFIX	T	=	Series Prefix
CONTACT TYPE	M1	=	Switch Plug
	M2	=	2 Pole (mono)
	S3	=	3 Pole, tip/ring/sleeve (stereo)
SHELL TYPE AND FINISH	P	=	Plug Satin Nickel
	PB	=	Plug Matt Black
	R	=	Right Angle Plug Satin Nickel
	RB	=	Right Angle Plug Matt Black
BACKSHELL TYPE	Blank	=	Plastic Nut
	M	=	Metal Nut - Black
	N	=	Metal Nut - Satin Nickel
CABLE CLAMP	Blank	=	Small Jaws
	J	=	Large Jaws
CONTACT PLATING	Blank	=	Nickel Plated Contacts (Standard)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF TM2P





1/4" PHONE PLUGS

STANDARD DATA

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1/4" PHONE PLUG TECHNICAL DATA

		VALUE		
		Straight	Right Angle	Jumbo
GENERAL CHARACTERISTICS	Number of Contacts	3 Pole Tip Ring Sleeve (Stereo)		
	Termination	Solder		
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16~1.5mm ² 3 Pole (Stereo): AWG 18~1mm ²		
	Flammability rating of insulating plastics	UL94V-0		
	Solderability, complies with	IEC 68-2-20		
	Environmental	Complies with RoHS Directive 2002/95/EC		
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)		
	Typical Contact Resistance	Depends on Mating Connector		
	Insulation resistance (initial)	>2GΩ		
	After Damp Heat Test	≥1GΩ		
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV 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		
	Weight ¹⁾ - Thermoplastic Backshell	28g (0.061lb)		
	Weight ¹⁾ - Metal Backshell	35g (0.077lb)		
	Typical Cable Retention Force	22kg to 44kg (50lb to 100lb) - Dependent on cable material and diameter.		
	Cable O.D. - Standard Jaw	3mm to 6mm (0.118" to 0.236")	3mm to 5.5mm (0.118" to 0.216")	NA
	Cable O.D. - Large Jaw	6mm to 7.5mm (0.236" to 0.295")	5.5mm to 6.5mm (0.216" to 0.255")	NA
	Cable O.D. - Jumbo	NA	NA	7.5mm to 10.5mm (0.295" to 0.413")
MATERIALS	Mechanical Operations	1000		
	Connector Shell Material	Diecast Zinc Alloy EZDA No.3		
	Shell Finish	Satin Nickel or Black Polyester		
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin - Black		
	Boot / Backshell	UL94 V-0 PBT Resin or Modified PPE Resin - Black or Metal CuZn ³⁹ Pb ³		
	Cable Clamp	UL94 V-0 PBT Modified PPO Resin - Black		
	Cable Bushing	Santoprene		
	Contacts / Plating	Brass/Ni or Au over 2µm Ni		

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

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1/4" PHONE PLUGS

MUSICIAN SERIES

**Features:**

- Mono or Stereo (TRS).
- AX Series inspired shell design.
- Large cable O.D. Entry to 8mm (0.315")
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.

Options: Black Shell, Gold contacts. Coloured grommets (ordered separately)

Specifications: Page 112

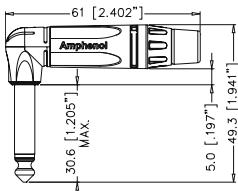
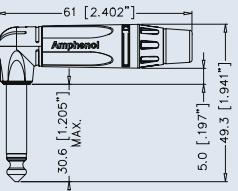
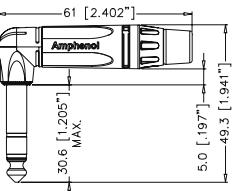
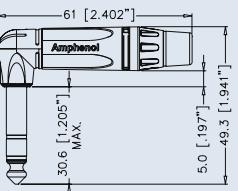
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-KN
				Gold Plated Contacts	ACPM-KN-AU
				Bulk Pack	ACPM-KN-BULK
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-KB
				Gold Plated Contacts	ACPM-KB-AU
				Bulk Pack	ACPM-KB BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-KN
				Gold Plated Contacts	ACPS-KN-AU
				Bulk Pack	ACPS-KN BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-KB
				Gold Plated Contacts	ACPS-KB-AU
				Bulk Pack	ACPS-KB BULK



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1/4" PHONE PLUGS

M SERIES II (MUSICIAN RANGE)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
		1/4" (6.35mmØ) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	Standard	ACPM-TN
				Gold contacts	ACPM-TN-AU
				Bulk Pack	ACPM-TN BULK
		1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	Standard	ACPS-TN
				Gold contacts	ACPS-TN-AU
				Bulk Pack	ACPS-TN BULK
		1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	Standard	ACPS-TB
				Gold contacts	ACPS-TB-AU
				Bulk Pack	ACPS-TB BULK



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1/4" PHONE PLUGS

M SERIES (MUSICIAN RANGE)



Features:

- Mono or Stereo (TRS).
- Stylish shell design.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.
- Cable OD Entry to 6.5mm (0.256")

Options: Black Shell, Gold contacts. Coloured grommets (ordered separately)

Specifications: Page 112

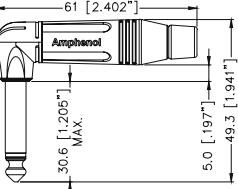
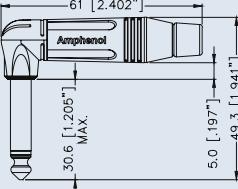
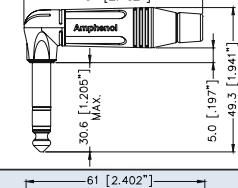
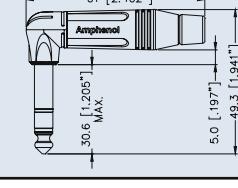
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mm \varnothing) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-GN
				Gold Plated Contacts	ACPM-GN-AU
				Bulk Pack	ACPM-GN BULK
			1/4" (6.35mm \varnothing) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-GB
				Gold Plated Contacts	ACPM-GB-AU
				Bulk Pack	ACPM-GB BULK
			1/4" (6.35mm \varnothing) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-GN
				Gold Plated Contacts	ACPS-GN-AU
				Bulk Pack	ACPS-GN BULK
			1/4" (6.35mm \varnothing) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-GB
				Gold Plated Contacts	ACPS-GB-AU
				Bulk Pack	ACPS-GB BULK



Amphenol

1/4" PHONE PLUGS

M SERIES (MUSICIAN RANGE)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
		Dimensions: 61 [2.402"], 30.6 [1.205"] MAX., 5.0 [.197"], 49.3 [1.941"]	1/4" (6.35mmØ) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-RN
			Gold contacts	ACPM-RN-AU	
			Bulk Pack	ACPM-RN BULK	
		Dimensions: 61 [2.402"], 30.6 [1.205"] MAX., 5.0 [.197"], 49.3 [1.941"]	1/4" (6.35mmØ) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-RB
			Gold contacts	ACPM-RB-AU	
			Bulk Pack	ACPM-RB BULK	
		Dimensions: 61 [2.402"], 30.6 [1.205"] MAX., 5.0 [.197"], 49.3 [1.941"]	1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-RN
			Gold contacts	ACPS-RN-AU	
			Bulk Pack	ACPS-RN BULK	
		Dimensions: 61 [2.402"], 30.6 [1.205"] MAX., 5.0 [.197"], 49.3 [1.941"]	1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-RB
			Gold contacts	ACPS-RB-AU	
			Bulk Pack	ACPS-RB BULK	



PART NUMBER BREAKDOWN

M / M SERIES II (MUSICIAN RANGE)

SERIES PREFIX	ACP	CONTACT TYPE	S	SHELL TYPE	G	SHELL FINISH	B	CONTACT PLATING	-	PACKAGING	AU	BULK
E. G. ACPM-GB-AU BULK ACP (Series Prefix), Male, G(Shell Type), Black, - AU (Gold Plated Contacts), Bulk Packaged.												
SERIES PREFIX	ACP	=	Series Prefix									
CONTACT TYPE	M	=	2 pole (Mono)									
	S	=	3 pole Tip/Ring/Sleeve (Stereo)									
SHELL TYPE	G	=	M Series Straight									
	K	=	M Series II Straight									
	R	=	M Series Right Angle									
	T	=	M Series II Right Angle									
SHELL FINISH	N	=	Satin Nickel									
	B	=	Matt Black									
CONTACT PLATING	Blank	=	Nickel Plating									
	AU	=	Gold Plated									
PACKAGING	Blank	=	Individual Bags									
	BULK	=	Bulk Packed									





1/4" PHONE JACK CONNECTORS

Amphenol phone connectors are available in 1/4" (6.35mm) and 3.5mm jack sockets or dual jack socket versions featuring combinations of both sizes. The standard heavy duty contacts provide excellent signal performance and the rugged designs excel in professional audio applications. Our wide range of options ensures we have the connector to suit your specific requirements. Custom jacks can also be developed to suit unique applications on request.

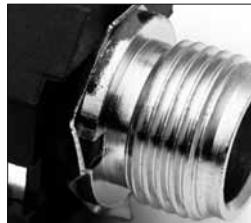
Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

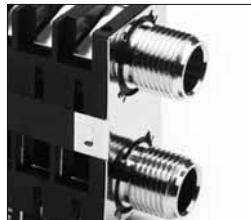
Features / Options – OEM RANGE Phone Jack

- Mono or Stereo (TRS)
- Stackable (Piggy back) mounting
- Vertical or horizontal PCB mount
- Mono and Stereo switched contacts
- Solder contacts
- Combo Contacts
- Metal nut
- Plastic Nut
- 1/4" (6.35mm)
- 3.5mm
- Dual 1/4" (6.35mm) and 3.5mm
- EMI Shielding plates
- Metal Mounting threads
- Plastic Mounting threads
- Chassis Ground connections
- Half, Full or No threads
- Grounded or Isolated Jacks

1/4" Phone Jack Grounding/ Shielding Options



1/4" Gripper - Grounding points



1/4" Shielding Plate

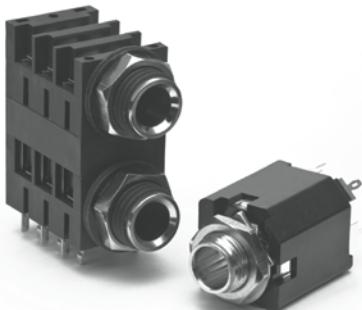
Ordering Codes

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.




Features:

- 3.5mm and 6.35mm (1/4") options
- Mono or Stereo (TRS)
- Single or Dual mounting
- Vertical or Horizontal PCB mount
- Mono and Stereo with switching contacts
- Solder or Combo contacts
- Various mounting option

Schematic Chart: Page 110
Panel Cutouts: Page 109
PCB Footprints: Page 111
Specifications: Page 112

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER				
3.5MM PHONE JACKS									
			3.5mm Jack, Horizontal PCB, Plastic housing, Metal entry bore	Mono	ACJM-NH35				
				Stereo	ACJS-NH35				
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal entry bore	Refer to Schematic Chart on Page 110	ACJM-NV35-2				
					ACJM-NV35-2S				
					ACJS-NV35-3				
					ACJS-NV35-3S				
					ACJS-NV35-5				
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal thread and entry bore	Refer to Schematic Chart on Page 110	ACJM-MV35-2				
					ACJM-MV35-2S				
					ACJS-MV35-3				
					ACJS-MV35-3S				
					ACJS-MV35-5				
			3.5mm / 1/4" (6.35mmØ) Dual Phone Jack, (Piggy-back), Horizontal PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHD985				
				Stereo	ACJS-MHD985				
			3.5mm / 1/4" (6.35mmØ) Dual Phone Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal nut and entry bore	Refer to Schematic Chart on Page 110	ACJM-MVD985-2				
					ACJM-MVD985-2S				
					ACJS-MVD985-3				
					ACJS-MVD985-3S				
					ACJS-MVD985-5				
1/4" PHONE JACKS HORIZONTAL									
			1/4" (6.35mmØ) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Half thread, Metal entry bore. Supplied without mounting hardware.	Mono	ACJM-HHDR				
				Stereo	ACJS-HHDR				



Amphenol

1/4" PHONE PLUGS

MUSICIAN / OEM RANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDR
				Stereo	ACJS-MHDR
			1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Mono	ACJM-MHDRV
				Stereo	ACJS-MHDRV
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on Page 110	ACJM-HHOP
					ACJS-HHOP
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on Page 110	ACJM-HHOP-1
					ACJS-HHOP-1
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore	Mono - Plastic Nut	ACJM-PHOP
				Mono - Metal Nut	ACJM-MHOP
				Stereo - Plastic Nut	ACJS-PHOP
				Stereo - Metal Nut	ACJS-MHOP
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore. Non-switching sleeve contact with separate grounding to panel.	Refer to Schematic Chart on Page 110 PHOP - Denotes Plastic Nut MHOP - Denotes Metal Nut	ACJM-PHOP-1
					ACJM-MHOP-1
					ACJS-PHOP-1
					ACJS-MHOP-1
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, Metal thread and entry bore with Chassis ground connection	Mono - Metal Nut	ACJM-MHOM
				Stereo - Metal Nut	ACJS-MHOM
			1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	ACJM - PH
				Mono - Metal Nut	ACJM - MH



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing with metal insert	Stereo - Plastic Nut	Stereo - Plastic Nut	ACJS - PH
				Stereo - Metal Nut	ACJS - MH
		1/4" (6.35mmø) Jack, Horizontal Snap-fit PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	Mono - Plastic Nut	ACJM-PHR
				Mono - Metal Nut	ACJM-MHR
		1/4" (6.35mmø) Jack, Combination Horizontal PCB and Solder lug, Plastic housing with metal insert	Mono - Plastic Nut	Mono - Plastic Nut	ACJM-PC
				Mono - Metal Nut	ACJM-MC
		1/4" (6.35mmø) Jack, Solder Lug, Plastic housing with metal insert	Stereo - Plastic Nut	Stereo - Plastic Nut	ACJS-PC
				Stereo - Metal Nut	ACJS-MC
		1/4" (6.35mmø) Jack, Solder Lug, Plastic housing with metal insert	Mono - Plastic Nut	Mono - Plastic Nut	ACJM-PHS
				Mono - Metal Nut	ACJM-MHS
		1/4" (6.35mmø) Jack, Solder Lug, Plastic housing with metal insert	Stereo - Plastic Nut	Stereo - Plastic Nut	ACJS-PHS
				Stereo - Metal Nut	ACJS-MHS
		1/4" (6.35mmø) Jack, Solder Lug, Plastic housing and Bezel with threaded Metal nut.	Mono		ACJM-IHS
			Stereo		ACJS-IHS
		1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing and Bezel with threaded Metal nut.	Mono		ACJM-IH
			Stereo		ACJS-IH
		1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono		ACJM-MHDC*
			Stereo		ACJS-MHDC*
		1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono		ACJM-MHDCM
			Stereo		ACJS-MHDCM

1/4" PHONE JACKS HORIZONTAL DUAL



		1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono		ACJM-MHDC*
			Stereo		ACJS-MHDC*
		1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono		ACJM-MHDCM
			Stereo		ACJS-MHDCM

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>1/4" (6.35mmØ) Dual Phone Jack (Piggyback) Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore</p>	Mono	ACJM-MHD*	
			Stereo	ACJS-MHD*	
		<p>1/4" (6.35mmØ) Dual Phone Jack (Piggyback) Shielding plate, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore</p>	Mono	ACJM-MHDE*	
			Stereo	ACJS-MHDE*	
		<p>1/4" (6.35mmØ) Dual Phone Jack (Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore</p>	Mono	ACJM-MHDM*	
			Stereo	ACJS-MHDM*	
		<p>1/4" (6.35mmØ) Dual Phone Jack (Piggy-back), Shielding plate Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore</p>	Mono	ACJM-MHDEM*	
			Stereo	ACJS-MHDEM*	
1/4" PHONE JACKS VERTICAL					
		<p>1/4" (6.35mmØ) Jack, Vertical PCB mount, Plastic housing, nut and entry bore</p>	Refer to Schematic Chart on Page 110	ACJM-PVB-2	
				ACJM-PVB-2S	
				ACJS-PVB-3	
				ACJS-PVB-3S	
				ACJS-PVB-5	
		<p>1/4" (6.35mmØ) Jack, Vertical PCB mount, Needle eye contacts, Plastic thread, Metal nut and insert</p>	Refer to Schematic Chart on Page 110	ACJM-MIV-2	
				ACJM-MIV-2S	
				ACJS-MIV-3	
				ACJS-MIV-3S	
				ACJS-MIV-5	
		<p>1/4" (6.35mmØ) Jack, Vertical PCB mount, Needle eye contacts, Star washer, Metal nut and insert</p>	Refer to Schematic Chart on Page 110	ACJM-MN-2	
				ACJS-MN-3	
				ACJM-MN-2S	
				ACJS-MN-3S	
				ACJS-MN-5	
		<p>1/4" (6.35mmØ) Jack, Vertical PCB mount, Metal nut and insert</p>	Refer to Schematic Chart on Page 110	ACJM-MV-2	
				ACJM-MV-2S	
				ACJS-MV-3	
				ACJS-MV-3S	
				ACJS-MV-5	

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		Dimensions in mm (inches)	1/4" (6.35mmØ) Jack, Solder Lug, Metal nut and insert	Refer to Schematic Chart on Page 110	ACJM-MVS-2 ACJM-MVS-2S ACJS-MVS-3 ACJS-MVS-3S ACJS-MVS-5

PANEL CUTOUTS -FRONT VIEW

 + Panel cutout CL			
 + Panel cutout CL			
 + Panel cutout CL			
 + Panel cutout CL			

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PHONE JACKS

MUSICIAN/OEM RANGE

SCHEMATIC CHART

PART NO.	ACJM-MV35-2 ACJM-MN-2 ACJM-NV35-2 ACJM-PVB-2 ACJM-MV-2 ACJM-MVS-2 ACJM-MIV-2	ACJM-MV35-2S ACJM-MN-2S ACJM-NV35-2S ACJM-PVB-2S ACJM-MV-2S ACJM-MVS-2S ACJM-MIV-2S	ACJS-MV35-3 ACJS-MN-3 ACJS-NV35-3 ACJS-PVB-3 ACJS-MV-3 ACJS-MVS-3 ACJS-MIV-3	ACJS-MV35-3S ACJS-MN-3S ACJS-NV35-3S ACJS-PVB-3S ACJS-MV-3S ACJS-MVS-3S ACJS-MIV-3S	ACJS-MV35-5 ACJS-MN-5 ACJS-NV35-5 ACJS-PVB-5 ACJS-MV-5 ACJS-MVS-5 ACJS-MIV-5
GENERAL SCHEMATIC					
SCHEMATIC					
PART NO.	ACJM-HHOP-1 ACJM-PHOP-1 ACJM-MHOP-1	ACJS-HHOP-1 ACJS-PHOP-1 ACJS-MHOP-1	ACJM-HHOP ACJM-PHOP CJM-MHOP	ACJS-HHOP ACJS-PHOP ACJS-MHOP	
GENERAL SCHEMATIC					

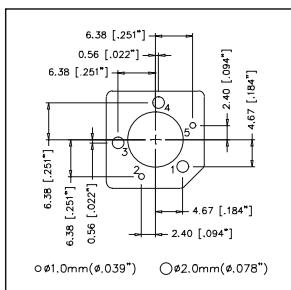


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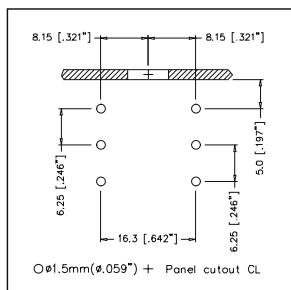
PHONE JACKS

MUSICIAN/OEM RANGE

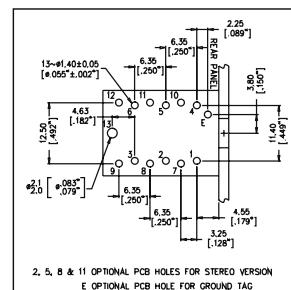
PCB FOOTPRINT - CONNECTOR SIDE OF PCB



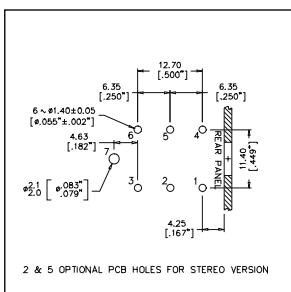
ACJM-MV
ACJS-MV
ACJM-MN-2
ACJS-MN-3
ACJM-MN-2S
ACJS-MN-3S
ACJS-MN-5
ACJM-NV35-XX
ACJM-MV35-XX
ACJS-NV35-XX
ACJS-MV35-XX
ACJM-MIV-2
ACJM-MIV-2S
ACJS-MIV-3
ACJS-MIV-3S
ACJS-MIV-5



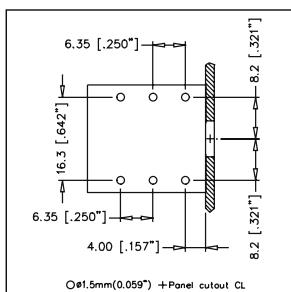
ACJM-PH
ACJM-MH
ACJS-PH
ACJS-MH
ACJM-PC
ACJM-MC
ACJS-PC
ACJS-MC



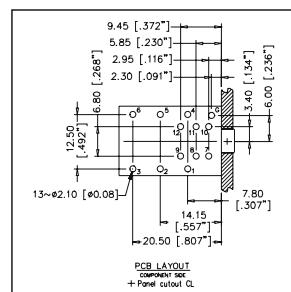
ACJM-MHD
ACJS-MHD
ACJM-MHDE
ACJS-MHDE
ACJM-MHDEM
ACJS-MHDEM
ACJM-MHDC
ACJS-MHDC
ACJM-MHDCM
ACJS-MHDCM
ACJM-MHDM
ACJS-MHDM



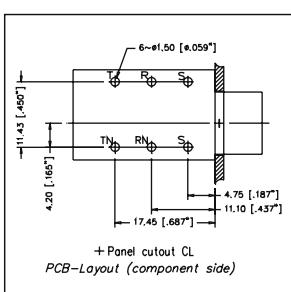
ACJM-MHDR
ACJS-MHDR
ACJM-PHR
ACJM-MHR
ACJS-PHR
ACJS-MHR
ACJM-HHDR
ACJS-HHDR
ACJM-MHDRM
ACJS-MHDRM



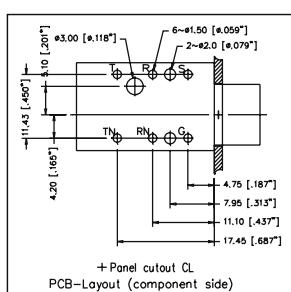
ACJS-IH
ACJM-IH



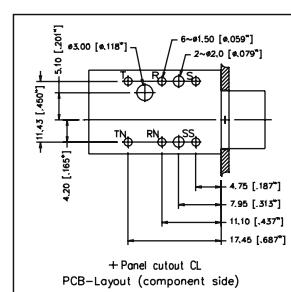
ACJS-MHD985
ACJM-MHD985



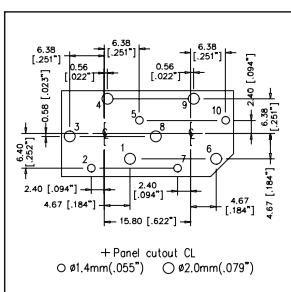
ACJS-MHOM
ACJM-MHOM



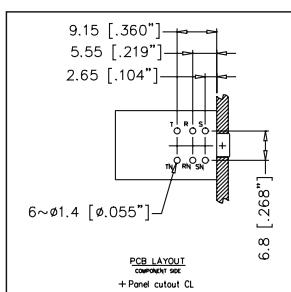
ACJS-MHOP-1
ACJS-PHOP-1
ACJS-HHOP-1
ACJM-MHOP-1
ACJM-PHOP-1
ACJM-HHOP-1



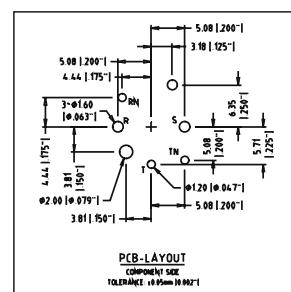
ACJS-MHOP
ACJS-PHOP
ACJM-MHOP
ACJM-PHOP
ACJM-HHOP
ACJS-HHOP



ACJS-MVD985
ACJM-MVD985



ACJS-NH35
ACJM-NH35



ACJM-PVB-2
ACJM-PVB-2S
ACJS-PVB-3
ACJS-PVB-3S
ACJS-PVB-5

PLUG AND JACKS TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder, PCB or Combo
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16~1.5mm ² 3 Pole (Stereo): AWG 18~1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with RoHS Directive 2002/95/EC
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)
	Typical Contact Resistance	Depends on Mating Connector
	Insulation resistance (initial)	>2GΩ
	After Damp Heat Test	≥1GΩ
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV 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
	Cable O.D. (Plugs)	6mm (0.236")
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Material (Jacks)	UL94 V-0 PBT Modified PPO Resin - Black
	Connector Shell Finish	Satin Nickel, Nickel or Black Polyester
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin and fibreglass laminate
	Cable Bushing	Santoprene
	Contacts / Plating (Plugs)	Brass / Ni over Cu (Copper)
	Contacts / Plating (Jacks)	Brass / Sn (Tin) over Cu (Copper)

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