



1/4" PHONE PLUGS

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
- Stylised 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 95 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.



Amphenol



1/4" PHONE PLUGS

T-SERIES (PRO RANGE)



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 94 Specifications: Page 95

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2P TM2P-AU TM2PJ TM2P BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2PB TM2PB-AU TM2PBJ TM2PB BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3P TS3P-AU TS3PJ TS3P BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3PB TS3PB-AU TS3PBJ TS3PB BULK



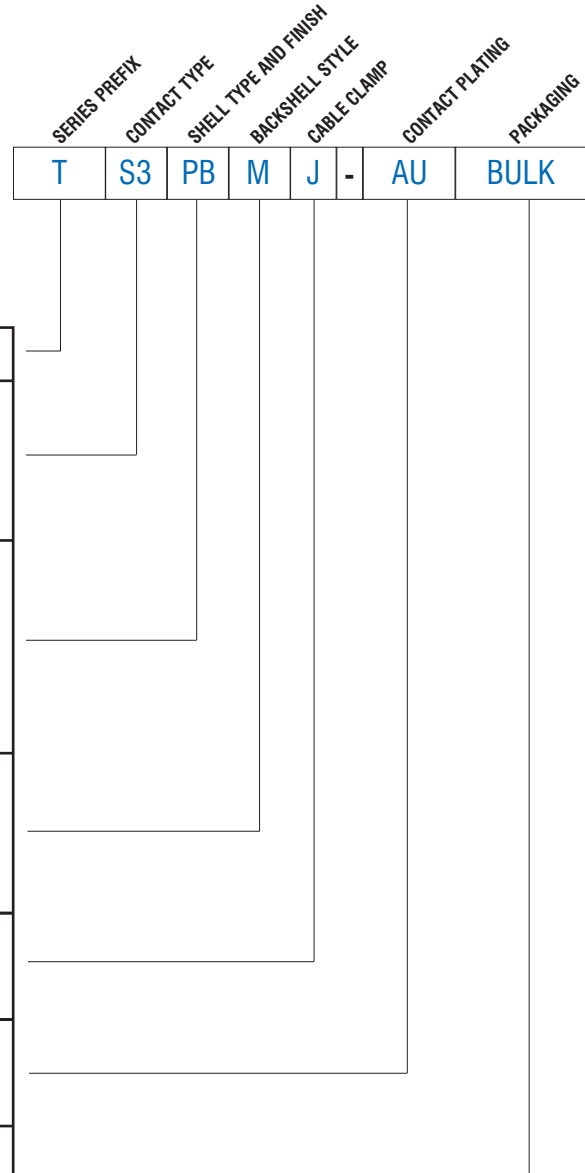
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TM2PN
			Gold Plated Contacts	TM2PN-AU
			Large Cable Clamp	TM2PNJ
			Bulk Pack	TM2PN BULK
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Black finish.	Standard	TM2PBM
			Gold Plated Contacts	TM2PBM-AU
			Large Cable Clamp	TM2PBMJ
			Bulk Pack	TM2PBM 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) Stereo Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TS3PBM
			Gold Plated Contacts	TS3PBM-AU
			Large Cable Clamp	TS3PBMJ
			Bulk Pack	TS3PBM BULK
		1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, 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 backshell, 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 backshell, 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 backshell, Black finish.	Standard	TS3RBJ
			Gold Plated Contacts	TS3RBJ-AU
			Small Cable Clamp	TS3RB
			Bulk Pack	TS3RBJ BULK

*NOTE: Refer to page 95 for Jaws cable clamp specifications applicable to right angle connectors.

PART NUMBER BREAKDOWN

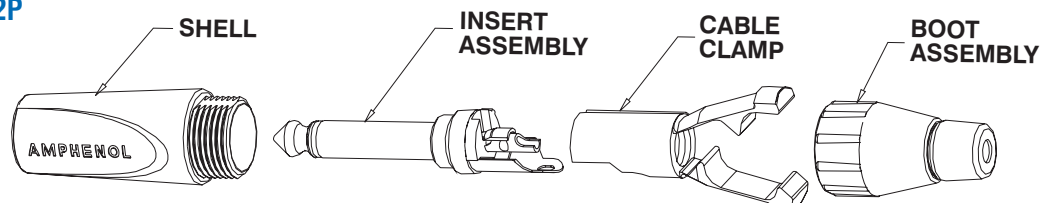
T-SERIES (PRO RANGE)

E. G. **TS3PBMJ-AU BULK**
T (Series Prefix), **S3**(Stereo), **Plug Black**, **Metal 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 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")
	Mechanical Operations	1000		
MATERIALS	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		

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

