Amphenol®



UPT Connector Series

Company Overview

Manufacturing connectors for over eight decades, we take pride that Amphenol Industrial Operations (AIO) is the undisputed leader in interconnect systems for harsh environment applications. Such applications require a high degree of engineering sophistication and precision manufacturing capability. Innovations like our RADSOK® contact technology can provide up to 50% more current through the same size pin. Connectors utilizing this RADSOK® technology will outperform similar products in the market hands down.

Amphenol Industrial, a division of the Amphenol Corporation, is a leading global manufacturer of cylindrical connectors. Amphenol Industrial's product lines consist of rectangular, standard miniature, fiber optic, EMI/EMP filter, and a variety of special application connectors.

Amphenol Industrial's Sidney, NY facility, nestled at the foothills of the Catskill Mountains, is over 307,000 square feet. This complex houses over 1,000+ employees, incorporating state-of-the-art manufacturing technologies. The facility is both ISO9001 certified and qualified to MIL-STD-790 requirements.

Our manufacturing capabilities include state-of-the-art CNC machining, die-casting, molding, impact and extruding, plating, screw machining and process controls.

AIO also has a fully equipped material evaluation lab and an engineering support organization utilizing the latest in computer aided design software and analysis tools.

Our global manufacturing facilities include locations in Sidney, NY, Fraser, MI, Shenzhen and Zhuhai, China, Winnipeg, Canada, and Nogales, Mexico.

The UPT Connector Series

Amphenol Industrial has expanded its PT Series product line with a new plastic bayonet connector. The UPT provides more options for industrial interconnect markets that do not require a metal shell or Mil-Spec equivalents.

Based on the 26482 Series I, UPT is a plastic shell interconnect with a metal bayonet coupling system and crimp contacts. Featuring a light weight design, smaller footprint and easy field installation the UPT is a cost effective industrial connector solution.

- Contact Sizes and Arrangements: 12 & 16 Stamped & Formed crimp contacts, two insert arrangements available (24-32 & 24-48)
- Intermateable with Souriau TrimTrio, UTO, and ITT Trident Ringlock
- · Wall Mount, Jam Nut, and Straight Plug Shell Styles
- · Plastic Shell, Light Weight
- · Metallic Bayonet Coupling, Molded Ring on Receptacle
- · Quick Connect/Disconnect
- · Multiple backshell sealing accessories
- RoHS compliant

The markets and application for the UPT connectors Included but are not limited to the following:

- Heavy Equipment
- EV. HEV. BMS
- Automation & Robotics
- **■** Telecom Equipment
- Servo Motor
- **■** Machinery

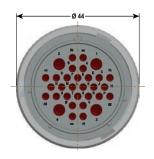




Technical Data									
Rated Current Contact #16	13 Amps								
Rated Current Contact #12	23 Amps								
Operating Voltage	250VAC								
Withstanding Voltage	2000V DC								
Insulation Resistance	5000 Megohms Min.								
Operating Temperature	-55°~+125°								
Ingress Protection	IP67(Mated)								
Flammability	UL 94 V-0								
Durability	500 Cycles								

UPT06D-24-32S

Size 24, 32 Way, Plug

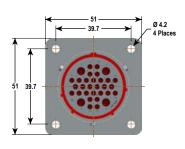


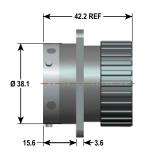


Front Face of Pin Illustrated								
Insert Arrangement	24-32							
Number of Contacts	4	28						
Contact Size	12	16						

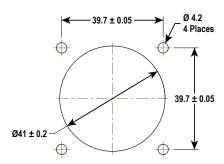
UPT00D-24-32P

Size 24, 32 Way, Wall Mounting Receptacle



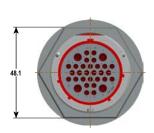


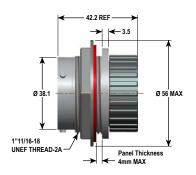
Recommended Cut-Out



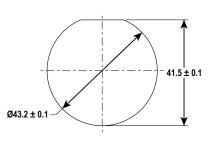
UPT07D-24-32P

Size 24, 32 Way, Jam Nut Receptacle

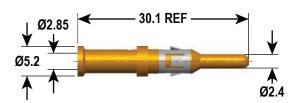


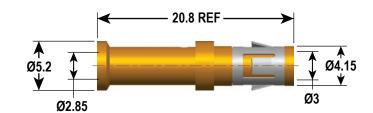


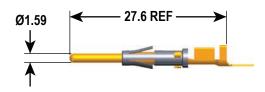
Recommended Cut-Out

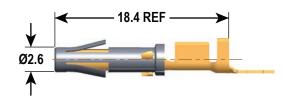


Size 24, 32 Way, Pin Contact

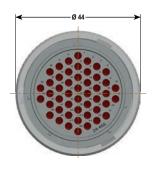


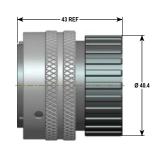






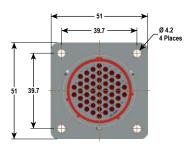
UPT06D-24-48S Size 24, 48 Way, Plug

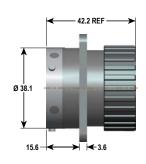


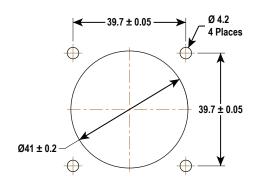


Front Face of Pin Illustrated								
Insert Arrangement	24-48							
Number of Contacts	48							
Contact Size	16							

UPT00D-24-48PSize 24, 48 Way, Wall Mounting Receptacle



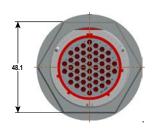


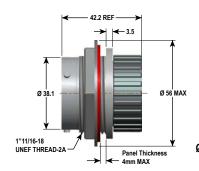


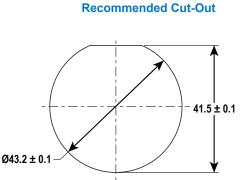
Amphenol

UPT07D-24-48P

Size 24, 48 Way, Jam Nut Receptacle

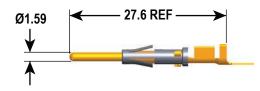






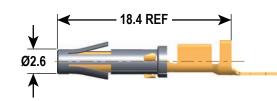
Size 24, 48 Way, Pin Contact

PIN CONTACT



PIN CONTACT SIZE 16 (48 pcs)

SOCKET CONTACT



SOCKET CONTACT SIZE 16 (48 pcs)

How to order:

Product	Connector Type		Shell Type		Insert Pattern				Cross Mating Proof		Shell Plating		Black Shell	
Series					Shell Size	Contact Arrangement	Contact							
UPT	00	Wall mounting receptacle	М	Metal Shell	10	4 Size 16 Contacts	Р	Pin	Omit	Normal Key	Omit	Nickel plating 48H salt spray	Omit	With grommet and nut
	06	Plug	D	Dielectric Shell (Plastic)	12	8 Size 16 Contacts	s	Socket	W	Key/W	1	Black Zinc plating 96H salt spray	N	No rear accessory
	07	Jam nut receptacle			14	12 Size 16 Contacts			X	Key/X	2	Tin plating 720H salt spray for die casting shell		
					16	19 Size 16 Contacts			Y	Key/Y		(Zinc-Nickel plating only for aluminum alloy coupling nut)		
					18	23 Size 16 Contacts			Z	Key/Z				
					22	35 Size 16 Contacts								
					24	48 Size 16 Contacts								
					24	32 (4 Size 12 + 28 Size 16 Contacts)								



AMPHENOL CORPORATION Amphenol Industrial

Phone: 607-563-5011 191 Delaware Avenue Sidney, NY 13838-1395 www.amphenol-industrial.com

IB-7

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.