

Amphenol

MULTIPIN CONNECTORS

MP-62/MP-65 SERIES



Amphenol's Multipin MP-62 series of circular connectors utilise the same design principles as the Mil-C-26482 military connectors. Featuring a three point quick mating bayonet coupling and five key polarisation ensuring a positive connection every time. Available in two contact pin layouts 39 and 61 with gold plated solder contacts fitted as standard.

Features:

- 39 or 61 pins.
- Gold plated solder contacts.
- Neoprene insert.
- Protective dust caps
- Environmental resistant.
- Black finish.
- Positive bayonet locking
- PG cable glands


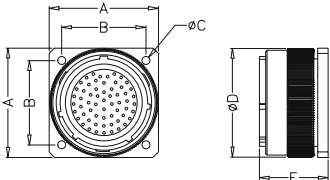

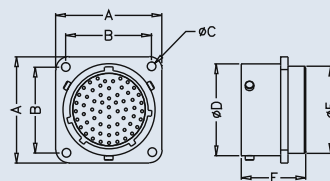

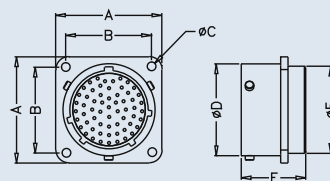

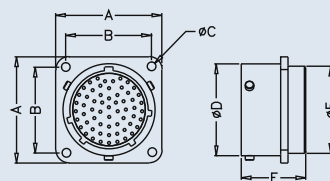
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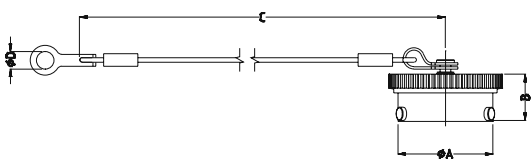

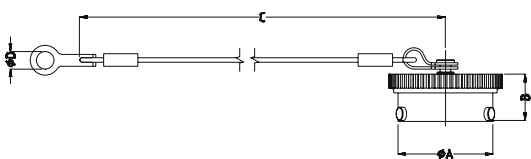

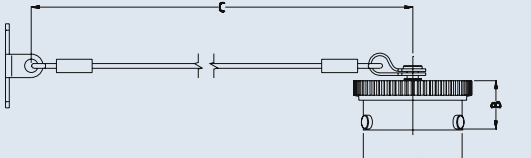

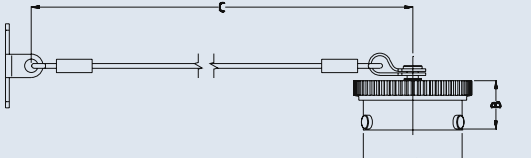

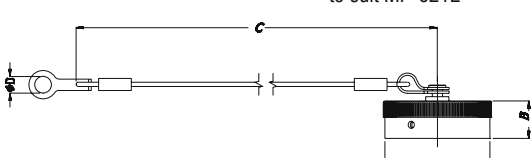

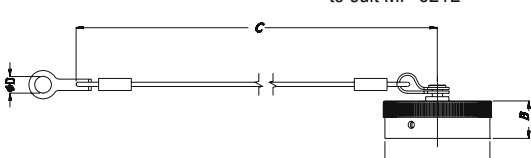

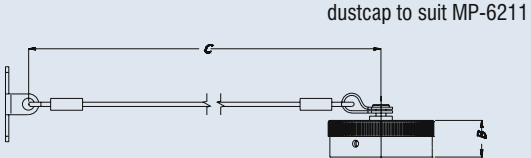

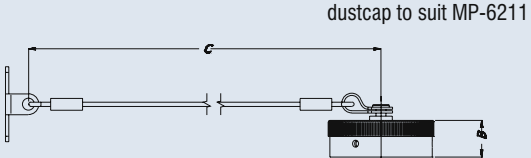
PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
		38.9	181.5	16	39	MP-6216-39P	MP-6216-39P-C
		(1.53)	(7.15)				
		45.5	193	21	61	MP-6216-61P	MP-6216-61P-C
		(1.80)	(7.60)				
		36.7	181.5	16	39	MP-6211-39S	MP-6211-39S-C
		(1.45)	(7.15)				
		43.0	193	21	61	MP-6211-61S	MP-6211-61S-C
		(1.70)	(7.60)				
		38.9	90	NPT	39	MP-6516-39P	MP-6516-39P-C
		(1.53)	(3.54)	3/4"			
		45.5	100	NPT	61	MP-6516-61P	MP-6516-61P-C
		(1.80)	(3.94)	3/4"			
		36.7	90	NPT	39	MP-6511-39S	MP-6511-39S-C
		(1.45)	(3.54)	3/4"			
		43.0	100	NPT	61	MP-6511-61S	MP-6511-61S-C
		(1.70)	(3.94)	3/4"			

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ACCESSORIES

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
	Panel plug with pin contacts, Black finish, Gold plated solder contacts. 	38.86	29.36	6-32	39.0	32	-	39	MP-6256-39P	MP-6256-39P-C
		(1.53)	(1.16)	UNC	(1.54)	(1.26)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.94	34.93	6-32	45.5	35	-	61	MP-6256-61P	MP-6256-61P-C
		(1.73)	(1.38)	UNC	(1.80)	(1.38)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	36.7	29.36	3.05	31.8	22.3	30.1	39	MP-6212-39S	MP-6212-39S-C
		(1.44)	(1.15)	(0.12)	(1.25)	(0.87)	(1.18)			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.0	34.93	3.74	38.1	22.3	36.4	61	MP-6212-61S	MP-6212-61S-C
		(1.69)	(1.38)	(0.15)	(1.50)	(0.87)	(1.43)			

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	Dimensions in mm (inches)				PINS	PART NUMBER
			A	B	C	D		
	Plug protective dustcap to suit MP-6256 		31.7	15.9	127	4.40	39	MP-742-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
	Plug protective dustcap to suit MP-6256 		38.05	16.70	127	4.40	61	MP-742-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
	Receptacle protective dustcap to suit MP-6216 		36.9	13.13	127	-	39	MP-742-39L
			(1.45)	(0.52)	(4.99)	-		
	Receptacle protective dustcap to suit MP-6216 		43.14	14.15	127	-	61	MP-742-61L
			(1.70)	(0.56)	(4.99)	-		
	Plug protective dustcap to suit MP-6212 		31.7	15.9	127	4.40	39	MP-738-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
	Plug protective dustcap to suit MP-6212 		38.05	16.70	127	4.40	61	MP-738-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
	Receptacle protective dustcap to suit MP-6211 		36.9	13.13	127	-	39	MP-738-39L
			(1.45)	(0.52)	(4.99)	-		
	Receptacle protective dustcap to suit MP-6211 		43.14	14.15	127	-	61	MP-738-61L
			(1.70)	(0.56)	(4.99)	-		



STANDARD DATA MP-62 SERIES / MP - 65 SERIES

		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	39	61
	Number of channels	12	20
	Termination	Solder	
	Wire Gauge - Stranded Wire	37 x 24AWG-20AWG 2 x 20AWG-16AWG	24AWG-20AWG
	Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	600V*	
	Operating Voltage at Sea level - AC	600V*	
	Test Voltage AC RMS	1500V	
	Current Carrying Capacity	37 x 7.5A 2 x 13A	7.5A
	Insulation Resistance	5000M Ω	
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)	
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)	
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland / NPT Thread	
	Mechanical Operations	500 mating cycles (minimum)	
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black	
	Insert	Neoprene	
	Male pin contact machined - Plating	Brass / Gold plated	
	Female socket contact machined - Plating	Brass / Gold plated	
CLAMPING CHARACTERISTICS	PG Gland	16	21
	Cable Clamping range mm (inches)	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")

*Not suitable for domestic applications above 50V

Rev 1 - 09/2005

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COMPLEMENTARY PRODUCTS



146 SERIES RECTANGULAR CONNECTORS

Amphenol Tuchel C146 series rectangular connectors feature modular components ensuring a vast range of different features and benefits for the end user. The zinc diecast aluminum housings are finished in a durable powder coat and available in either top or side entry. Connector coupling is achieved via a positive locking lever ensuring a positive rapid connection. The C146 series is suitable for general-purpose audio and lighting applications and is completely intermateable with all competitor connectors.



FIBRE OPTIC

Amphenol has over 25 years experience in fibre optics dating back to their development of the first industry standard connector, the SMA. Today we can offer a complete range of products including Hybrid Fibre optic connectors for HDTV broadcast cameras SMPTE 304M compliant and ruggedised connectors and cable assemblies for indoor or outdoor applications.

