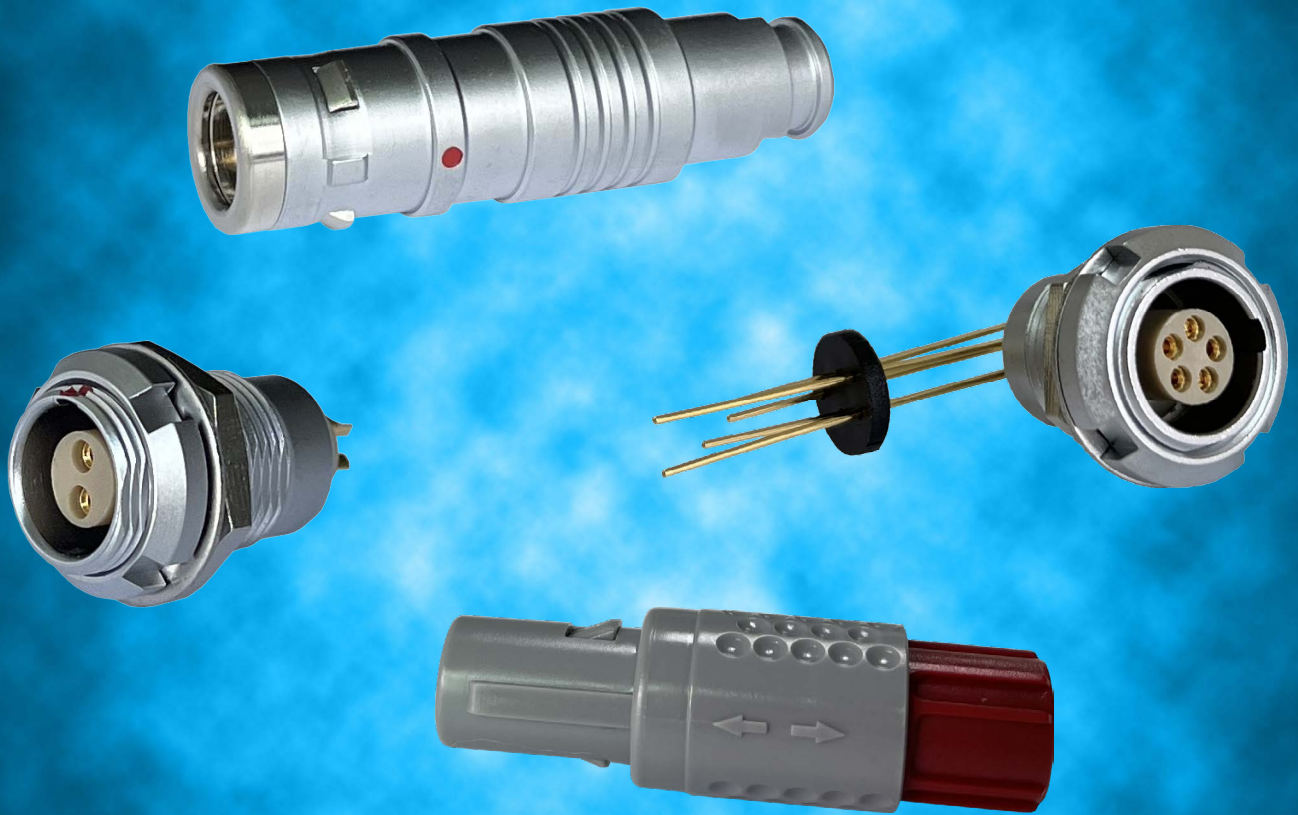# ADAM TECH

PUSH PULL CONNECTORS
METAL · PLASTIC · WATERPROOF · ACCESSORIES

PUSH PULL CONNECTORS

METAL ▪ PLASTIC ▪ WATERPROOF ▪ ACCESSORIES

Adam Tech's comprehensive line of Push Pull Connectors consists of metal and plastic connectors, elbow sockets, and bend reliefs. Each product type is offered in a variety of options, including positions, mounting, and size. Specialty waterproof push pull connectors are also available with ratings of IP67 and IP68. Adam Tech Push Pull Connectors are ideal for any application requiring easy, secure connections.

FEATURES AND BENEFITS:

- Plugs and sockets
- Metal and plastic
- Standard IP50 dustproof
- IP67 and IP68 waterproof
- Elbow sockets
- Bend reliefs
- Various positions
- Various collet sizes
- Solder cup and PCB
- Panel and cable mount
- Fully intermateable with all industry leading push pull connectors

APPLICATIONS:

- Medical
- Industrial
- Instrumentation
- Data and communications
- Automotive
- Audio/video

Metal Plugs

This line of Push Pull Metal Plugs is offered in a variety of body sizes, genders, alignment keys, pin counts, and collet sizes. Each part has a solder cup terminal and is provided with either a back nut or bend relief. Waterproof metal plugs are available with ratings of IP67 or IP68.

METAL PLUG PART NUMBER CONFIGURATION

EXAMPLE							
MMI-	M0	P	G	04	S	52	B
SERIES	BODY	GENDER	ALIGNMENT KEY	# OF PINS	TERMINALS	COLLET SIZE	BEND RELIEF TYPE
MMI	M0 = Metal (Size 0) M1 = Metal (Size 1)	P = Plug (Cable Mount) PR = Plug R/A (Cable Mount) F = Socket (Cable Mount)	G = 0° (1 key) A = 30° (2 key) B = 60° (2 key) C = 90° (2 key)	Size 0: 02, 03, 04, 05, 06, 07 & 09 Size 1: 02, 03, 04, 05, 06, 07, 08, 10, 14 & 16	S = Solder Cup	Size 0: (Cable mount only) Blank if Non-Cable 32 = 2.2~3.2mm Dia. 42 = 3.2~4.2mm Dia. 45 = 3.5~4.5mm Dia. 52 = 4.2~5.2mm Dia. 55 = 4.5~5.5mm Dia. Size 1: (Cable mount only) Blank if Non-Cable 42 = 3.2~4.2mm Dia. 52 = 4.2~5.5mm Dia. 62 = 5.2~6.2mm Dia. 72 = 6.2~7.2mm Dia.	BLANK = Non-Bend Relief Type. B = Bend Relief Type

MMI-M0FXXXSXX
Female Cable Plug, Straight
Back Nut, Size 0, Solder Cup

MMI-M0FXXXSXXB
Female Cable Plug, Straight
Bend Relief, Size 0, Solder Cup

MMI-M0PXXXSXX
Male Cable Plug, Straight
Back Nut, Size 0, Solder Cup

MMI-M0PXXXSXXB
Male Cable Plug, Straight
Bend Relief, Size 0, Solder Cup

MMI-M0PRXXXSXX
Male Cable Plug, Right Angle
Back Nut, Size 0, Solder Cup

MMI-M0PRXXXSXXB
Male Cable Plug, Right Angle
Bend Relief, Size 0, Solder Cup

MMI-M1FXXXSXX
Female Cable Plug, Straight
Back Nut, Size 1, Solder Cup

MMI-M1FXXXSXXB
Female Cable Plug, Straight
Bend Relief, Size 1, Solder Cup

MMI-M1PXXXSXX
Male Cable Plug, Straight
Back Nut, Size 1, Solder Cup

MMI-M1PXXXSXXB
Male Cable Plug, Straight
Bend Relief, Size 1, Solder Cup

MMI-M1PRXXXSXX
Male Cable Plug, Right Angle
Back Nut, Size 1, Solder Cup

MMI-M1PRXXXSXXB
Male Cable Plug, Right Angle
Bend Relief, Size 1, Solder Cup

IP67 Metal Plugs

IP67 METAL PLUG PART NUMBER CONFIGURATION

EXAMPLE								
MMI-M0	**P**	**G**	**04**	**S**	**52**	**B**	**- IP67**	
SERIES	BODY	GENDER	ALIGNMENT KEY	# OF PINS	TERMINALS	COLLET SIZE	BEND RELIEF TYPE	IP67 WATERPROOF OPTION
MMI	**M0** = Metal (Size 0) **M1** = Metal (Size 1)	**P** = Plug (Cable Mount) **PR** = Plug R/A (Cable Mount) **F** = Socket (Cable Mount)	**G** = 0° (1 key)	**Size 0:** 02, 03, 04, 05, 06, 07 & 09 **Size 1:** 02, 03, 04, 05, 06, 07, 08, 10, 14 & 16	**S** = Solder Cup	**Size 0:** (Cable mount only) **Blank if Non-Cable** **32** = 2.2~3.2mm Dia. **42** = 3.2~4.2mm Dia. **45** = 3.5~4.5mm Dia. **52** = 4.2~5.2mm Dia. **Size 1:** (Cable mount only) **Blank if Non-Cable** **42** = 3.2~4.2mm Dia. **52** = 4.2~5.5mm Dia. **62** = 5.2~6.2mm Dia. **72** = 6.2~7.2mm Dia.	**BLANK** = Non-Bend Relief Type. **B** = Bend Relief Type	**IP67** = IP67 Rated (Only Key 0°)

MMI-M0FGXXSXX-IP67
IP67 Female Cable Plug, Straight Back Nut, Size 0, Solder Cup

MMI-M0FGXXSXXB-IP67
IP67 Female Cable Plug, Straight Bend Relief, Size 0, Solder Cup

MMI-M0PGXXSXX-IP67
IP67 Male Cable Plug, Straight Back Nut, Size 0, Solder Cup

MMI-M0PGXXSXXB-IP67
IP67 Male Cable Plug, Straight Bend Relief, Size 0, Solder Cup

MMI-M1FGXXSXX-IP67
IP67 Female Cable Plug, Straight Back Nut, Size 1, Solder Cup

MMI-M1FGXXSXXB-IP67
IP67 Female Cable Plug, Straight Bend Relief, Size 1, Solder Cup

MMI-M1PGXXSXX-IP67
IP67 Male Cable Plug, Straight Back Nut, Size 1, Solder Cup

MMI-M1PGXXSXXB-IP67
IP67 Male Cable Plug, Straight Bend Relief, Size 1, Solder Cup

IP68 Metal Plugs

IP68 METAL PLUG PART NUMBER CONFIGURATION

EXAMPLE								
MMI-M0	P	1	04	S	52	B	- IP68	
SERIES	BODY	GENDER	CODING	# OF PINS	TERMINALS	COLLET SIZE	BEND RELIEF TYPE	IP68 WATERPROOF OPTION
MMI	**M0** = Metal (Size 0) **M1** = Metal (Size 1)	**P** = Plug (Cable Mount) **PR** = Plug R/A (Cable Mount) **F** = Socket (Cable Mount)	**1** = Coding 1 **2** = Coding 2 **3** = Coding 3	**Size 0:** 02, 03, 04, 05 & 07 **Size 1:** 02, 03, 04, 05, 06, 07 & 12	**S** = Solder Cup	**Size 0:** (Cable mount only) **Blank if Non-Cable** **32** = 2.2~3.2mm Dia. **42** = 3.2~4.2mm Dia. **45** = 3.5~4.5mm Dia. **52** = 4.2~5.2mm Dia. **Size 1:** (Cable mount only) **Blank if Non-Cable** **42** = 3.2~4.2mm Dia. **52** = 4.2~5.5mm Dia. **62** = 5.2~6.2mm Dia. **72** = 6.2~7.2mm Dia.	**BLANK** = Non-Bend Relief Type. **B** = Bend Relief Type	**IP68** = IP68 Rated (Only Coding)

MMI-M0PXXXSXX-IP68
IP68 Male Cable Plug, Straight Back Nut, Size 0, Solder Cup

MMI-M0PXXXSXXB-IP68
IP68 Male Cable Plug, Straight Bend Relief, Size 0, Solder Cup

MMI-M1PXXXSXX-IP68
IP68 Male Cable Plug, Straight Back Nut, Size 1, Solder Cup

MMI-M1PXXXSXXB-IP68
IP68 Male Cable Plug, Straight Bend Relief, Size 1, Solder Cup

Metal Sockets

Adam Tech's Push Pull Metal Sockets are offered in a variety of body sizes, alignment keys, pin counts, and terminals. Each socket utilizes bulkhead solder or PCB mounting and are front or rear panel mounted. Waterproof metal sockets are available with ratings of IP67 or IP68.

METAL SOCKET PART NUMBER CONFIGURATION

EXAMPLE						
MMI - **M0**	**R**	**S**	**G**	**04**	**S**	
SERIES	BODY	PANEL MOUNTING	GENDER	ALIGNMENT KEY	# OF PINS	TERMINALS
MMI	**M0** = Metal (Size 0) **M1** = Metal (Size 1)	**F** = Front Panel Mount **R** = Rear Panel Mount	**S** = Socket (Bulkhead Solder or PCB Mount)	**G** = 0° (1 key) **A** = 30° (2 key) **B** = 60° (2 key) **C** = 90° (2 key)	**Size 0:** 02, 03, 04, 05, 06, 07 & 09 **Size 1:** 02, 03, 04, 05, 06, 07, 08, 10, 12, 14 & 16	**S** = Solder Cup **P** = PCB Straight (Socket Only) **PR** = PCB Right Angle (Socket Only)

MMI-M0FSXXXS
Female, Panel Mount
Size 0, Solder Cup

MMI-M0RSXXXS
Female, Panel Mount
Size 0, Solder Cup

MMI-M0RSXXXP
Female, Panel Mount
Size 0, PCB

MMI-M0RSXXXPR
Female, Panel Mount
Size 0, PCB Right Angle

MMI-M1FSXXXS
Female, Panel Mount
Size 1, Solder Cup
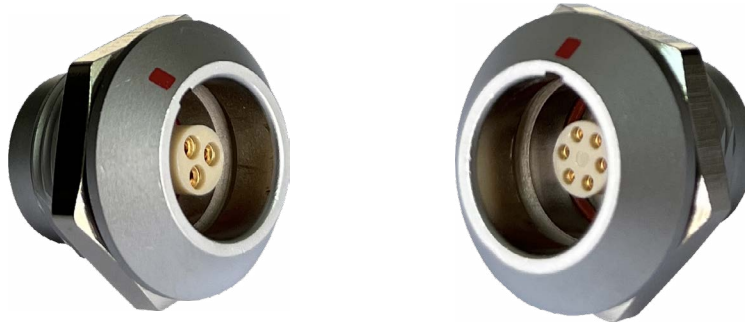
MMI-M1RSXXXS
Female, Panel Mount
Size 1, Solder Cup

MMI-M1RSXXXP
Female, Panel Mount
Size 1, PCB

MMI-M1RSXXXPR
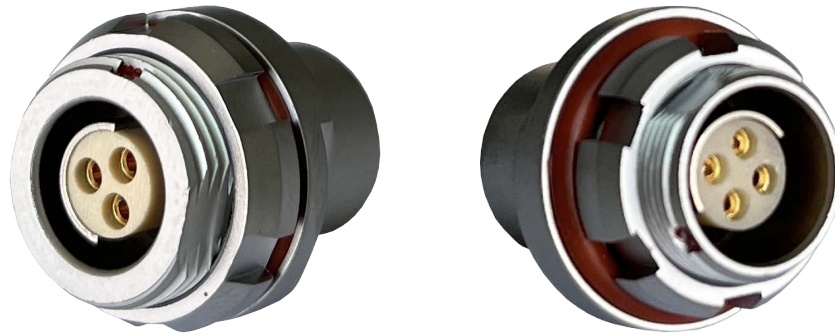Female, Panel Mount
Size 1, PCB Right Angle

IP67 Metal Sockets

IP67 METAL SOCKET PART NUMBER CONFIGURATION

EXAMPLE							
MMI-	**M0**	**R**	**S**	**G**	**04**	**S**	**- IP67**
SERIES	BODY	PANEL MOUNTING	GENDER	ALIGNMENT KEY	# OF PINS	TERMINALS	IP67 WATERPROOF OPTION
MMI	**M0** = Metal (Size 0) **M1** = Metal (Size 1)	**F** = Front Panel Mount **R** = Rear Panel Mount	**S** = Socket (Bulkhead Solder or PCB Mount)	**G** = 0° (1 key)	Size 0: 02, 03, 04, 05, 06, 07 & 09 Size 1: 02, 03, 04, 05, 06, 07, 08, 10, 12, 14 & 16	**S** = Solder Cup **P** = PCB Straight (Socket Only) **PR** = PCB Right Angle (Socket Only)	**IP67** = IP67 Rated (Only Key 0°)

MMI-M0RSGXXS-IP67
IP67 Female, Panel Mount
Size 0, Solder Cup

MMI-M1RSGXXS-IP67
IP67 Female, Panel Mount
Size 1, Solder Cup

IP68 Metal Sockets

IP67 METAL SOCKET PART NUMBER CONFIGURATION

EXAMPLE							
MMI-	**M0**	**R**	**S**	**1**	**04**	**S**	**- IP68**
SERIES	BODY	PANEL MOUNTING	GENDER	CODING	# OF PINS	TERMINALS	IP68 WATERPROOF OPTION
MMI	**M0** = Metal (Size 0) **M1** = Metal (Size 1)	**F** = Front Panel Mount **R** = Rear Panel Mount	**S** = Socket (Bulkhead Solder or PCB Mount)	**1** = Coding 1 **2** = Coding 2 **3** = Coding 3	Size 0: 02, 03, 04, 05, 06 & 07 Size 1: 02, 03, 04, 05, 06, 07 & 12	**S** = Solder Cup **P** = PCB Straight (Socket Only) **PR** = PCB Right Angle (Socket Only)	**IP68** = IP68 Rated (Only Coding)

MMI-M0RSXXXP-IP68
IP68 Female, Panel Mount
Size 0, PCB

MMI-M0RSXXXS-IP68
IP68 Female, Panel Mount
Size 0, Solder Cup

MMI-M1RSXXXP-IP68
IP68 Female, Panel Mount
Size 1, PCB

Plastic Plugs

This line of Push Pull Plastic Plugs is offered in a variety of body sizes, genders, alignment keys, pin counts, and collet sizes. Each part has a solder cup terminal and is provided with either a back nut or bend relief. There are multiple color options available for the back nuts and outer shells.

PLASTIC PLUG PART NUMBER CONFIGURATION

EXAMPLE MMI-	P1	P	G	04	S	G	G	52	B
SERIES	BODY	GENDER	ALIGNMENT KEY	# OF PINS	TERMINALS	OUTER SHELL COLOR	BACK NUT COLOR	COLLET SIZE	BEND RELIEF TYPE
MMI	P1 = Plastic (Size 1)	P = Plug (Cable Mount) F = Socket (Cable Mount)	G = 0° (1 key) A = 40° (2 key) B = 60° (2 key) C = 80° (2 key) Socket G = 0° (1 key)	02, 03, 04, 05, 06, 07, 08, 09, 10 & 14	S = Solder Cup	B = Black G = Gray	B = Black G = Gray GR = Green Y = Yellow R = Red BU = Blue	Size 0: (Cable mount only) Blank if Non-Cable 39 = 2.7~3.9mm Dia. 52 = 4.0~5.2mm Dia. 65 = 5.3~6.5mm Dia.	BLANK = Non-Bend Relief Type. B = Bend Relief Type

MMI-P1FGXXSXXXX
Female Cable Plug, Straight
Back Nut, Solder Cup

MMI-P1FGXXSXXXB
Female Cable Plug, Straight
Bend Relief, Solder Cup

MMI-P1PXXXSXXXX
Male Cable Plug, Straight
Back Nut, Solder Cup

MMI-P1PXXXSXXXB
Male Cable Plug, Straight
Bend Relief, Solder Cup

Plastic Sockets

Adam Tech's Push Pull Plastic Sockets is offered in a variety of body sizes, alignment keys, pin counts, and terminals. Each socket utilizes bulkhead solder or PCB mounting and are front or rear panel mounted. There are multiple color options available for the front nuts and outer shells.

PLASTIC SOCKET PART NUMBER CONFIGURATION

	EXAMPLE							
MMI-	P1	S	R	G	04	S	G	G
SERIES	BODY	GENDER	PANEL MOUNTING	ALIGNMENT KEY	# OF PINS	TERMINALS	OUTER SHELL COLOR	FRONT NUT COLOR
MMI	P1 = Plastic (Size 1)	S = Socket (Bulkhead Solder or PCB Mount)	F = Front Panel Mount R = Rear Panel Mount	(Size 0 & 1) G = 0° (1 key) A = 40° (2 key) B = 60° (2 key) C = 80° (2 key)	02, 03, 04, 05, 06, 07, 08, 09, 10 & 14	S = Solder Cup P = PCB Straight (Socket Only) PR = PCB Right Angle (Socket Only)	B = Black G = Gray W = White	B = Black G = Gray GR = Green Y = Yellow R = Red BU = Blue

MMI-P1SRXXXSXX
Female, Panel Mount
Solder Cup

MMI-P1SRXXXPXX
Female, Panel Mount
PCB

MMI-P1SRXXXPRXX
Female, Panel Mount
PCB Right Angle

Elbow Sockets

This line of Push Pull Elbow Sockets is offered in a variety of body sizes and pin counts. Each part is panel mounted with PCB right angle terminals and equipped with a 0° alignment key. These elbow sockets are available with or without threaded bushing.

ELBOW SOCKET PART NUMBER CONFIGURATION

EXAMPLE					
MMI -	ES1	G	06	PR -	T
SERIES	BODY	ALIGNMENT KEY	# OF PINS	TERMINALS	BUSHING
MMI	ES0 = *Plastic (Size 0)* ES1 = *Plastic (Size 1)*	(Size 0 & 1) G = *0° (1 key)*	Size 0: *02, 03, 04, 05, 06, 07, 08 & 10* Size 1: *02, 03, 04, 05, 06, 07, 08 & 10*	PR = *PCB Right Angle (Standard)*	BLANK = *Non-Threaded* T = *Threaded*

MMI-ES1GXXPR
Female, Panel Mount
PCB

MMI-ES1GXXPR-T
Female, Panel Mount
PCB, Threaded Bushing

Bend Reliefs

Adam Tech's Push Pull Bend Reliefs are offered in a variety of plug sizes and cable diameters. Each part is composed of TPU material and available in a multitude of colors.

BEND RELIEF PART NUMBER CONFIGURATION

EXAMPLE

MMI	-	BR1	-	40	-	B	-	T

SERIES	PLUG SIZE	BR0 CABLE I.D. "A"	BR1 CABLE I.D. "A"	COLOR	MATERIAL
MMI	**BR0** = Size 0 **BR1** = Size 1	**25** = 2.5mm **30** = 3.0mm **35** = 3.5mm **40** = 4.0mm **45** = 4.5mm	**30** = 3.0mm **35** = 3.5mm **40** = 4.0mm **45** = 4.5mm **50** = 5.0mm **55** = 5.5mm **65** = 6.5mm	**B** = Black **G** = Gray **GR** = Green **Y** = Yellow **R** = Red **BU** = Blue	**T** = TPU

MMI-BR0-XX-B-T
Plug Size 0
Black Bend Relief

MMI-BR0-XX-G-T
Plug Size 0
Gray Bend Relief

MMI-BR0-XX-GR-T
Plug Size 0
Green Bend Relief

MMI-BR0-XX-Y-T
Plug Size 0
Yellow Bend Relief

MMI-BR0-XX-R-T
Plug Size 0
Red Bend Relief

MMI-BR0-XX-BU-T
Plug Size 0
Blue Bend Relief

MMI-BR1-XX-B-T
Plug Size 1
Black Bend Relief

MMI-BR1-XX-G-T
Plug Size 1
Gray Bend Relief

MMI-BR1-XX-GR-T
Plug Size 1
Green Bend Relief

MMI-BR1-XX-Y-T
Plug Size 1
Yellow Bend Relief

MMI-BR1-XX-R-T
Plug Size 1
Red Bend Relief

MMI-BR1-XX-BU-T
Plug Size 1
Blue Bend Relief

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