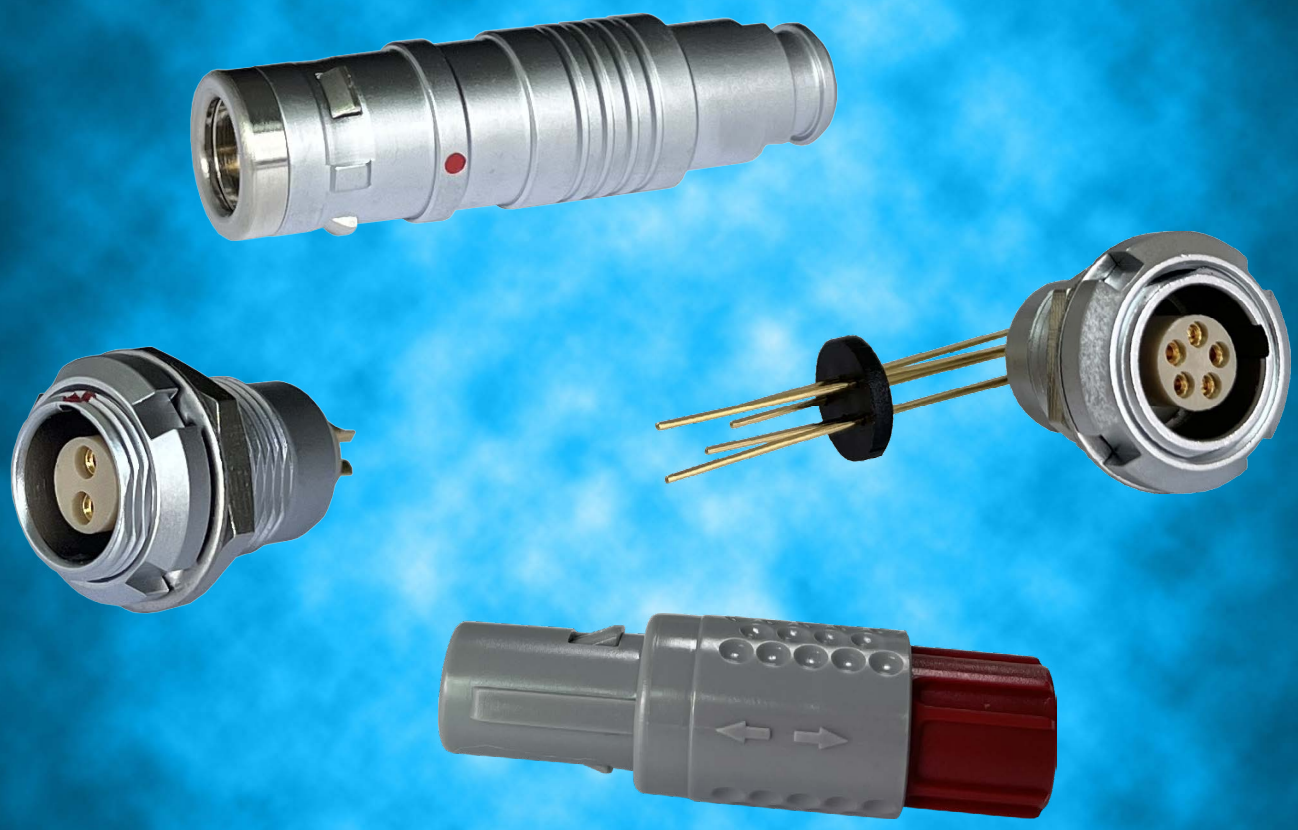
ADAM TECH



# 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
- Compatible with many of the push pull connectors in the market

### 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

| 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)*<br>**M1** = *Metal (Size 1)* | **P** = *Plug (Cable Mount)*<br>**PR** = *Plug R/A (Cable Mount)*<br>**F** = *Socket (Cable Mount)* | **G** = *0° (1 key)*<br>**A** = *30° (2 key)*<br>**B** = *60° (2 key)*<br>**C** = *90° (2 key)* | **Size 0:**<br>*02, 03, 04, 05, 06, 07 & 09*<br><br>**Size 1:**<br>*02, 03, 04, 05, 06, 07, 08, 10, 14 & 16* | **S** = *Solder Cup* | **Size 0:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**32** = *2.2~3.2mm Dia.*<br>**42** = *3.2~4.2mm Dia.*<br>**45** = *3.5~4.5mm Dia.*<br>**52** = *4.2~5.2mm Dia.*<br>**55** = *4.5~5.5mm Dia.*<br><br>**Size 1:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**42** = *3.2~4.2mm Dia.*<br>**52** = *4.2~5.5mm Dia.*<br>**62** = *5.2~6.2mm Dia.*<br>**72** = *6.2~7.2mm Dia.* | **BLANK** = *Non-Bend Relief Type.*<br>**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

| 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)*<br>**M1** = *Metal (Size 1)* | **P** = *Plug (Cable Mount)*<br>**PR** = *Plug R/A (Cable Mount)*<br>**F** = *Socket (Cable Mount)* | **G** = *0° (1 key)* | **Size 0:**<br>*02, 03, 04, 05, 06, 07 & 09*<br>**Size 1:**<br>*02, 03, 04, 05, 06, 07, 08, 10, 14 & 16* | **S** = *Solder Cup* | **Size 0:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**32** = *2.2~3.2mm Dia.*<br>**42** = *3.2~4.2mm Dia.*<br>**45** = *3.5~4.5mm Dia.*<br>**52** = *4.2~5.2mm Dia.*<br>**Size 1:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**42** = *3.2~4.2mm Dia.*<br>**52** = *4.2~5.5mm Dia.*<br>**62** = *5.2~6.2mm Dia.*<br>**72** = *6.2~7.2mm Dia.* | **BLANK** = *Non-Bend Relief Type.*<br>**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

| 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)*<br>**M1** = *Metal (Size 1)* | **P** = *Plug (Cable Mount)*<br>**PR** = *Plug R/A (Cable Mount)*<br>**F** = *Socket (Cable Mount)* | **1** = *Coding 1*<br>**2** = *Coding 2*<br>**3** = *Coding 3* | **Size 0:**<br>*02, 03, 04, 05 & 07*<br>**Size 1:**<br>*02, 03, 04, 05, 06, 07 & 12* | **S** = *Solder Cup* | **Size 0:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**32** = *2.2~3.2mm Dia.*<br>**42** = *3.2~4.2mm Dia.*<br>**45** = *3.5~4.5mm Dia.*<br>**52** = *4.2~5.2mm Dia.*<br>**Size 1:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**42** = *3.2~4.2mm Dia.*<br>**52** = *4.2~5.5mm Dia.*<br>**62** = *5.2~6.2mm Dia.*<br>**72** = *6.2~7.2mm Dia.* | **BLANK** = *Non-Bend Relief Type.*<br>**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

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

| 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)*<br>**M1** = *Metal (Size 1)* | **F** = *Front Panel Mount*<br>**R** = *Rear Panel Mount* | **S** = *Socket (Bulkhead Solder or PCB Mount)* | **G** = *0° (1 key)* | **Size 0:**<br>*02, 03, 04, 05, 06, 07 & 09*<br>**Size 1:**<br>*02, 03, 04, 05, 06, 07, 08, 10, 12, 14 & 16* | **S** = *Solder Cup*<br>**P** = *PCB Straight (Socket Only)*<br>**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

| 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)*<br>**M1** = *Metal (Size 1)* | **F** = *Front Panel Mount*<br>**R** = *Rear Panel Mount* | **S** = *Socket (Bulkhead Solder or PCB Mount)* | **1** = *Coding 1*<br>**2** = *Coding 2*<br>**3** = *Coding 3* | **Size 0:**<br>*02, 03, 04, 05, 06 & 07*<br>**Size 1:**<br>*02, 03, 04, 05, 06, 07 & 12* | **S** = *Solder Cup*<br>**P** = *PCB Straight (Socket Only)*<br>**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

| 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)*<br>**F** = *Socket (Cable Mount)* | **G** = *0° (1 key)*<br>**A** = *40° (2 key)*<br>**B** = *60° (2 key)*<br>**C** = *80° (2 key)*<br>**Socket**<br>**G** = *0° (1 key)* | *02, 03, 04, 05, 06, 07, 08, 09, 10 & 14* | **S** = *Solder Cup* | **B** = *Black*<br>**G** = *Gray* | **B** = *Black*<br>**G** = *Gray*<br>**GR** = *Green*<br>**Y** = *Yellow*<br>**R** = *Red*<br>**BU** = *Blue* | **Size 0:**<br>**(Cable mount only)**<br>**Blank if Non-Cable**<br>**39** = *2.7~3.9mm Dia.*<br>**52** = *4.0~5.2mm Dia.*<br>**65** = *5.3~6.5mm Dia.* | **BLANK** = *Non-Bend Relief Type.*<br>**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 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. There are multiple color options available for the front nuts and outer shells.

## PLASTIC SOCKET PART NUMBER CONFIGURATION

| 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*<br>**R** = *Rear Panel Mount* | **(Size 0 & 1)**<br>**G** = *0° (1 key)*<br>**A** = *40° (2 key)*<br>**B** = *60° (2 key)*<br>**C** = *80° (2 key)* | *02, 03, 04, 05, 06, 07, 08, 09, 10 & 14* | **S** = *Solder Cup*<br>**P** = *PCB Straight (Socket Only)*<br>**PR** = *PCB Right Angle (Socket Only)* | **B** = *Black*<br>**G** = *Gray*<br>**W** = *White* | **B** = *Black*<br>**G** = *Gray*<br>**GR** = *Green*<br>**Y** = *Yellow*<br>**R** = *Red*<br>**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

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

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

To contact us, scan the QR code to reach our website inquiry form.

**adam-tech.com**

Created: Aug-2022
Last Revised: Sep-2024

**CONFIDENTIAL AND PROPRIETARY**
© Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.