

# ADAME TECH



WATERPROOF CONNECTORS



Adam Tech's Waterproof Connector series is a broad range of M Style, Circular, and RJ45/USB mated sets with IP ratings ranging from IP66 - IP68. These connectors are offered in different pin counts and keying styles and can be used in many applications.

**APPLICATIONS:**

- Industrial Automation Applications
- Manufacturing and Machinery
- Food and Beverage Processing
- Industrial Communications
- Robotics
- Medical
- Farming and Agriculture
- Automotive and Railroad
- Oil Industry
- Harsh Environment and Rugged Applications

**FEATURES AND BENEFITS:**

- Panel Mount, Overmold w/Cable, Field Assembly Types
- Complete Pin Count Selection
- IP Sealing Options include IP66, IP67, IP68
- Straight and Right Angle
- Screw Locking Mechanisms



## Waterproof M8 & M12 Styles

Adam Tech M8 & M12 Connector Systems and Assemblies are rugged, high durability, IP rated solutions for the most demanding applications. They are offered in the M8 and M12 sizes with varying levels of waterproof ratings from IP67 to IP69. Available as board connectors and also cable assemblies, this series is a popular choice for the most challenging environments and requirements.



PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
<a href="#">SD-08-A-SG-XXMPC004</a>	M8	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-08G-CAP</a>	M8	Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-12-A-SG-04FPC001XXMX</a>	M12	Female, Cable Mount, Molding Type	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-A-SG-04FRC001XXMX</a>	M12	Female, Cable Mount, Molding Type	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-A-SG-05FPC001XXMX</a>	M12	Female, Cable Mount, Molding Type	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-A-SG-05MPC003XXMX</a>	M12	Male, Cable Mount, Molding Type	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-C-G-04MPWRH001051M</a>	M12	Male, Panel Mount, Straight, PCB	C Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-C-G-04MPWRH002051M</a>	M12	Male, Panel Mount, Straight, PCB	C Coded	IP67	<a href="#">View</a>
<a href="#">SD-12-C-SG-04FPC001XXMX</a>	M12	Female, Panel Mount, Straight, PCB	C Coded	IP67	<a href="#">View</a>
<a href="#">SD-M12F-CAP1</a>	M12	Male, Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-M12M-CAP1</a>	M12	Female, Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-MMA05-FFTPH-PX0-004</a>	M12	Female, Panel Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMA05-MMTRH-SX0-000</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMA08-MMTPH-PX0-009</a>	M12	Male, Screw Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMA12-MMTPH-SX0-001</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-FFTDL-SX0-002</a>	M12	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-FFTPH-SX0-002</a>	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-MMTPH-SX0-003</a>	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXXX-MMTPH-SX0-000</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMD04-MMTPH-PX0-000</a>	M12	Male, Panel Mount, Straight PCB	D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXXX-FFTPH-SX0-003</a>	M8	Female, Screw Mount, Straight, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXXX-MMTPH-SX0-000</a>	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMF05-FFTRH-PX0-000</a>	M8	Female, Screw Mount, Straight, PCB	B Coded	IP67 or IP68	<a href="#">View</a>
<a href="#">SD-MMF05-MMTPH-PX0-000</a>	M8	Male, Screw Mount, Straight, PCB	B Coded	IP67 or IP68	<a href="#">View</a>

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
<a href="#">SD-MMG04-MMTPH-PX0-009</a>	M5	Male, Screw Mount, Straight, PCB	N/A	IP67	<a href="#">View</a>
<a href="#">SD-MMKXX-FFTPH-SX0-001</a>	M16	Female, Panel Mount, Solder Cup	N/A	IP67	<a href="#">View</a>
<a href="#">SD-MMX08-FFTPH-PX0-001</a>	M12	Female, Panel Mount, Straight PCB	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMX08-MMTDL-IX0-000</a>	M12	Male, Field Assembly Cable Mount, IDC	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-FFTDL-SX0-013</a>	M12	Female, Field Assembly Cable Mount	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-FFTPH-SX0-013</a>	M12	Female, Panel Mount, Solder Cup	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTDL-SX0-013</a>	M12	Male, Cable Mount, Solder Cup	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTPH-SX0-013</a>	M12	Male, Panel Mount, Solder Cup	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTRH-SX0-013X</a>	M12	Male, Panel Mount, Solder Cup	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA02-FFTS</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA02A-FFTS</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA03A-FFTS3</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA04-FFTS4</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05-FFTS4</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05-FFTS5</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05-MMTRH-SX0-000</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA08-FFTS9</a>	M12	Male, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTDL-SX0-001</a>	M12	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTPH-RX0-000</a>	M12	Female, Panel Mount, Right Angle, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTPH-RX0-000-10</a>	M12	Female, Screw Mount, Right Angle, PCB	A Coded	IPX7	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTDL-SX0-001</a>	M12	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTPH-RX0-000</a>	M12	Male, Panel Mount, Right Angle PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMB05-FFTRH-PX0-000</a>	M12	Female, Panel Mount, Straight, Solder Cup	B Coded	IP67	<a href="#">View</a>
<a href="#">SD-PME05-FFTS9</a>	M8	Male, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTDL-SX0-001</a>	M8	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-MMTPH-PX0-001</a>	M8	Male, Panel Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMG04-FFTPH-RX0-000</a>	M5	Female, Panel Mount, Straight, PCB	N/A	IP67	<a href="#">View</a>
<a href="#">SD-PMG04-FFTS9</a>	M5	Female, Cable Mount	N/A	IP67	<a href="#">View</a>
<a href="#">SD-PMG04-MMTPH-RX0-000</a>	M5	Male, Panel Mount, Straight, PCB	N/A	IP67	<a href="#">View</a>

## Waterproof Circular Styles

Adam Tech's coded connectors and cable assemblies are a broad range style of industry standard coded waterproof solutions. Ranging from IP67 to IP69, these ruggedized systems are designed to handle harsh environments while providing the utmost reliability.



### PART NUMBER CONFIGURATION

SD	CA03A	MMBPH	S70-000
SERIES	SERIES, SIZE, STYLE, POSITIONS	CONNECTOR STYLE, CONTACT TYPE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL	ASSEMBLY STYLE, IP RATING, SERIAL NUMBER
<b>SD</b> = Waterproof	<p>1st Characters for Series <b>C</b> = Circular</p> <p>2nd Character for Size <b>A</b> = Mini (7/16") <b>B</b> = Standard (5/8") <b>C</b> = Middle (13/16") <b>D</b> = Large (1") <b>E</b> = Marco (1, 3/16") <b>F</b> = (7/8") <b>G</b> = SP13</p> <p>3rd ~4th Character for Positions <b>02, 03, ...</b>, Pins (Positions)</p> <p>5th Character for Contact Ampere <b>A, B, ...</b>, (Refer to drawing for rating mapping)</p>	<p>1st Characters for Connector Style <b>M</b> = Male Connector <b>F</b> = Female Connector</p> <p>2nd Character for Contact Type <b>M</b> = Male Contact <b>F</b> = Female Contact <b>C</b> = Hybrid (Different Size Male Contacts) <b>D</b> = Hybrid (Different Size Female Contacts) <b>E</b> = Female (Large Amp) + Male (Smaller Amp) <b>F</b> = Male (Large Amp) + Female (Smaller Amp)</p> <p>3rd Character for Mating Style <b>T</b> = Thread/Screw <b>B</b> = Bayonet/Twist Lock</p> <p>4th Character for S/R or Lock Style <b>A</b> = Molding Cable w/ SR <b>B</b> = Molding Cable w/o SR <b>C</b> = Ass'y Type w/ SR <b>D</b> = Ass'y Type w/o SR <b>P</b> = Panel Front Mount <b>R</b> = Panel Rear Mount <b>S</b> = Semi-finished product (P/N end here)</p> <p>5th Character for Back Shell <b>L</b> = Straight (180° Cable, Ass'y Type) <b>R</b> = R/A (90° Cable, Ass'y Type) <b>C</b> = Circular Panel Flange <b>H</b> = Front Hexagonal Nut Panel</p>	<p>1st Character for Assembly Style <b>S</b> = Solder Type <b>P</b> = 180° PCB Type <b>R</b> = 90° PCB Type <b>W</b> = Screw in Type <b>C</b> = Molding Type <b>I</b> = IDC <b>CR</b> = Crimp Type</p> <p>2nd Character for IP Rating <b>N</b> = No IP <b>6</b> = IP 66 <b>7</b> = IP 67 <b>8</b> = IP 68</p> <p>3rd Character for Cable Type <b>0</b> = Panel or No Cable <b>A</b> = UL2464 <b>B</b> = SJTW <b>C</b> = UL2517 <b>D</b> = Cat5E <b>E</b> = Cat6 <b>G</b> = Cat6A</p> <p>4th ~6th Character for Cable Length <b>000</b> = No Cable <b>1FT, 3FT, 9FT...</b></p>
<p><b>MAXIMUM CHARACTERS</b></p> <p>Std. P/N = <b>20</b> Customization P/N = <b>24</b></p> <p><b>FOR NON STANDARD OR CUSTOMIZATION</b></p> <p>Substituted with under after Back shell <b>ANXXXXX-X</b> = Customization Case Numbers (Ex, WP-CA03-MMBPH-AN10920-1)</p>			

PART NUMBER	TYPE	GENDER/MOUNTING TYPE	SIZE	ORIENTATION	TERMINATION	LOCKING TYPE	WATERPROOF RATING	PRODUCT DATA
<a href="#">SD-16-E-SG-XXW001X</a>	Plastic	Wire to Wire	M16	Straight	Wire Leads	Screw	IP68	<a href="#">View</a>
<a href="#">SD-20-E-SG-XXW001X</a>	Plastic	Wire to Wire	M20	Straight	Wire Leads	Screw	IP68	<a href="#">View</a>
<a href="#">SD-20-E-SG-XXWF001X</a>	Plastic	Wire to Wire	M20	Straight	Wire Leads	Screw	IP68	<a href="#">View</a>
<a href="#">SD-25-E-SG-XXW001X</a>	Plastic	Wire to Wire	M25	Straight	Wire Leads	Screw	IP68	<a href="#">View</a>
<a href="#">SD-25-E-SG-XXWF001X</a>	Plastic	Wire to Wire	M25	Straight	Wire Leads	Screw	IP68	<a href="#">View</a>
<a href="#">SD-CAXX-FFBPH-SX0-001</a>	Plastic	Female, Twist Lock	B	Straight	Solder	Twist	IP67	<a href="#">View</a>
<a href="#">SD-CAXXA-MMBPH-SX0-001</a>	Plastic	Male, Twist Lock	A	Straight	Solder	Twist	IP67	<a href="#">View</a>
<a href="#">SD-CB03-FFBDL-SX0-004</a>	Plastic	Female, Field Installable	C	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CBXX-MMBDL-SX0-003</a>	Plastic	Male, Field Installable	B	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CBXX-MMBPH-SX0-001</a>	Plastic	Male, Front Panel Mount	B	Straight	Solder	Twist	IP67	<a href="#">View</a>
<a href="#">SD-CBXXX-FFBDL-SX0-002</a>	Plastic	Female, Field Installable	B	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CBXXX-MMBPH-PX0-002</a>	Plastic	Male, Front Panel Mount	B	Straight	PCB	Twist	IP67	<a href="#">View</a>
<a href="#">SD-CBXXX-MMTPH-PX0-000</a>	Plastic	Male, Rear Panel Mount	B	Straight	PCB	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CC03-MMBRH-SX0-000</a>	Plastic	Male, Front Panel Mount	C	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CCXX-FFBDL-SX0-000</a>	Plastic	Female, Field Installable	C	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CCXX-MMBDL-SX0-000</a>	Plastic	Male, Field Installable	C	Straight	Solder	Twist	IP67	<a href="#">View</a>
<a href="#">SD-CD03-FFBDL-SX0-000</a>	Plastic	Female, Field Installable	D	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CD03-MMTPH-SX0-000</a>	Plastic	Male, Rear Panel Mount	D	Straight	Solder	Screw	IP67	<a href="#">View</a>
<a href="#">SD-CD35-MDBPH-PX0-000</a>	Plastic	Female, Rear Panel Mount	D	Straight	PCB	Twist	IP67	<a href="#">View</a>
<a href="#">WJB-3-001-X</a>	Plastic	Waterproof Junction Box	M25	N/A	N/A	N/A	IP68	<a href="#">View</a>
<a href="#">WJB-3-002-X</a>	Plastic	Waterproof Junction Box	M25	N/A	N/A	N/A	IP68	<a href="#">View</a>
<a href="#">WJB-4-001-X</a>	Plastic	Waterproof Junction Box	M25	N/A	N/A	N/A	IP68	<a href="#">View</a>

## Waterproof RJ45 & USB

Adam Tech offers a range of weatherproof, ruggedized, IP rated RJ45 and USB connector sets in various styles. Custom designs can also be made upon request.



### PART NUMBER CONFIGURATION

SD	UPAC	JBPC	J7D-1FT
SERIES	SERIES, STYLE, SIZE	CONNECTOR STYLE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL	ASSEMBLY STYLE, IP RATING, CATEGORY/ SHIELDING, SERIAL NUMBER
<b>SD</b> = Waterproof	1st~2nd or 3rd Characters for Series <b>RM</b> = RJ45 Metal Housing Metal Nut <b>RP</b> = RJ45 Plastic Housing Plastic Nut <b>RPM</b> = RJ45 Plastic Housing Metal Nut <b>UPA</b> = USB 2.0 A-TYPE Plastic Housing Plastic Nut <b>U3PA</b> = USB 3.0 A-TYPE Plastic Housing Plastic Nut <b>NPB</b> = Mini USB B-TYPE Plastic Housing Plastic Nut <b>A2P</b> = 2.5mm Audio Connector Plastic Housing Plastic Nut <b>A3P</b> = 3.5mm Audio Connector Plastic Housing Plastic Nut <b>A4P</b> = 1/4 inch (6.35mm) Audio Connector Plastic Housing Plastic Nut <b>DE9P</b> = D-sub 9 Pin Plastic hood <b>HDPA</b> = HDMI Type-A Plastic Housing Plastic Nut  3rd or 4th Character for Size/Code <b>C</b> = Middle (13/16") <b>S</b> = Square hole panel <b>K</b> = Key lock	1st Characters for Connector Style <b>P</b> = Plug Connector <b>J</b> = Jack Connector  2nd Character for Mating Style <b>T</b> = Thread/Screw <b>B</b> = Bayonet/Twist Lock <b>S</b> = Snap in <b>U</b> = Thumb Screw  3rd Character for S/R or Lock Style <b>A</b> = Molding Cable w/ SR <b>B</b> = Molding Cable w/o SR <b>C</b> = Ass'y Type w/ SR <b>D</b> = Ass'y Type w/o SR <b>E</b> = W/Cable w/o SR (PCB Type) <b>P</b> = Panel Front Mount <b>R</b> = Panel Rear Mount  4th Character for Back Shell <b>L</b> = Straight (180° Cable, Ass'y Type) <b>C</b> = Circular Panel <b>M</b> = Module jack	1st Character for Assembly Style <b>S</b> = Solder Type or w/cable plug <b>C</b> = Molding Type direct cut <b>J</b> = Jack <b>G</b> = Plug <b>A</b> = Adapter <b>PS</b> = Pin header Straight <b>PR</b> = Pin header Right angle <b>WS</b> = Wafer Straight <b>WR</b> = Wafer Right angle <b>TB</b> = Transfer Board  2nd Character for IP Rating <b>6</b> = IP 66 <b>7</b> = IP 67 <b>8</b> = IP 68  3rd Character for Cable Type <b>O</b> = Panel or No Cable <b>A</b> = Cat5 Shield (STP) <b>B</b> = Cat5 Un-Shield (UTP) <b>C</b> = Cat5E Shield <b>D</b> = Cat5E Un-Shield <b>E</b> = Cat6 Shield <b>F</b> = Cat6 Un-Shield <b>G</b> = Cat6A Shield <b>H</b> = Cat6A Un-Shield <b>J</b> = Cat5E Fn-Shield (FTP) <b>L</b> = USB Type A <b>M</b> = USB Type B  4th ~6th Character for Cable Length <b>000</b> = No Cable <b>1FT, 3FT, 9FT...</b>
<b>MAXIMUM CHARACTERS</b>  Std. P/N = <b>18</b> Customization P/N = <b>21</b>  <b>FOR NON STANDARD OR CUSTOMIZATION</b>  Substituted with under after Back shell <b>ANXXXXX-X</b> = Customization Case Numbers (Ex, WP-RPC-JBPC-AN10920-1)			

PART NUMBER	TYPE	WATERPROOF RATING	GENDER / MOUNTING TYPE	PRODUCT DATA
<a href="#">SD-HDPA-JBRC-SX0-009</a>	HDMI	IP67	Female, Panel Mount, Solder	<a href="#">View</a>
<a href="#">SD-NPBC-PTAL-CXX-XFT</a>	Mini USB	IP67	Male, Cable Mount	<a href="#">View</a>
<a href="#">SD-RPC-JBPC-AX0-000</a>	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
<a href="#">SD-RPC-JBPC-WRX0-000</a>	RJ45	IP67	Female, Panel Mount, Right Angle PCB	<a href="#">View</a>
<a href="#">SD-RPC-PTBL-CXX-XFT</a>	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
<a href="#">SD-RPC-PTDL-GXX-003</a>	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
<a href="#">SD-UPAC-JBPC-PSX0-000</a>	USB	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
<a href="#">SD-UPAC-JTPC-PSX0-001</a>	USB	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>



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[adam-tech.com](http://adam-tech.com)

Created: Jan-2020  
Last Revised: March-2026

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