



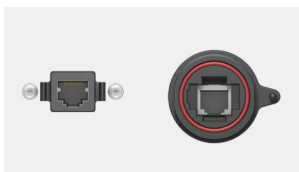
# SEALED I/O SYSTEMS

## ACCLIMATE™ IP67/IP68 RUGGED SEALED CABLE SYSTEMS

- Wide variety of options for incredible design flexibility
- Meets IP67/IP68 specifications for dust and waterproof sealing
- Ideal for rugged and harsh environment applications
- Cable-to-cable, cable-to-panel and panel-to-board solutions
- Mini push-pull latching system with lightweight plastic shell
- Bayonet-style latching circulars with metal or plastic shells and flexible configurations
- Cost-effective crimp version available
- Rectangular design for maximum panel area savings
- Threaded circulars with rugged overmold design
- USB (Type A, B and C) and Ethernet options ideal for data uploads/downloads



# ACCLIMATE™



Rectangular design for 25-45% panel area savings



Kitted components for efficient field assembly (ACPK/ACRK)



Rugged dust caps available

### AccliMate™ Systems

- **ACP-12/ACR-12** – 12 mm Shell, IP68 Sealed Circular Systems
- **ACP-16/ACR-16** – 16 mm Shell, IP68 Sealed Circular Systems
- **ACP-22/ACR-22** – 22 mm Shell, IP68 Sealed Circular Systems
- **ACPK/ACRK (-12, -16, -22)** – Field Termination Kits
- **CCP-12/CCR-12, CCRB-12** – 12 mm Shell, Sealed Crimp Systems

- **MCP/MCR** – IP67 Mini Push-Pull Sealed System
- **RPBE/RPCE/RCE** – IP68 Ethernet Sealed Rectangular Systems
- **RPBU/RPCU/RCU** – IP68 USB Sealed Rectangular Systems
- **SCRES/SCPE** – IP68 Ethernet Sealed Threaded Circular
- **SCRUS/SCPU** – IP68 USB Type A & B Sealed Threaded Circular
- **BCU/BPCU/BRU** – IP67 USB Type C Sealed Threaded Circular

For more about Samtec's AccliMate™ solutions, please visit [www.samtec.com/sealed](http://www.samtec.com/sealed)

# ACCLIMATE™ SOLUTIONS

## Flexible Sealed Circulars

- 12 mm, 16 mm and 22 mm shells in metal or plastic
- Choice of pin configuration and gender
- Bayonet-style latching systems meet IP68 requirements
- Cost-effective crimp version available (CCP/CCR)
- Variety of end 2 options for panel-to-board applications
- Rugged mini push-pull latching system meets IP67 requirements (MCP/MCR)
- Rugged dust caps available
- Field termination kits for efficient assembly in the field (ACRK/ACPK)



ACP-12/ACR-12



ACP-16/ACR-16



ACP-22/ACR-22



CCP-12/CCR-12



CCRB-12



MCP/MCR

## Sealed Rectangulars

- Space saving design provides maximum density for low profile sealed applications
- Meets IP68 requirements
- Ethernet and USB type A and B signal systems
- Audible click positive latching for quick connect/disconnect
- Rugged dust caps available
- 1 or 2-port vertical and right-angle panel mount sockets



RPBE



RPCE



RCE



RPBU



RPCU



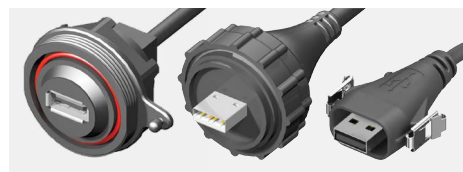
RCU

## Threaded Circulars

- Rugged overmold construction
- Meets IP68 requirements
- USB Type A and B signal systems (SCRUS/SCPU)
- USB Type C IP67 Sealed System capable of USB 3.2 Gen 2x1 (10 Gbit/s) speeds (BCU/BPCU)
- Ethernet meets CAT3, CAT5 and CAT5e (SCRES/SCPE)
- Rugged dust caps and panel-to-board termination available



SCRES/SCPE/RCE



SCRUS/SCPU/RCU



BCU/BPCU/BRU

### ACCLIMATE™ CABLE PLUGS & RECEPTACLES

MCP/MCR (IP67)	CCP/CCR (IP68)	ACP/ACR (IP68)			RPBX/RPCX/RCX	SCRUS/SCRES	BCU/BPCU/BRU
Miniature	12 mm shell size	12 mm shell size	16 mm shell size	22 mm shell size	Rectangular	Threaded Circular	
28 AWG (crimp)		24, 28 AWG	16, 24, 28 AWG	16, 24 AWG	24 AWG / 20 (Power), 25 (Signal), 28 (Drain) AWG		24 (Power), 32 (Signal) AWG
12 pins	8 pins	4, 5, 6 pins	10, 14 pins	8, 20, 30 pins	Ethernet (CAT3, CAT5, CAT5e) / USB (Type A & B)		USB (Type C)

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