Push Pull Self-locking Connectors

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Features

- Secure high performance push pull self-locking system
- Unique half-moon design for blind-mated
- High pin density contributing to equipment miniaturization
- 360°C EMC shielded
- Robut and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
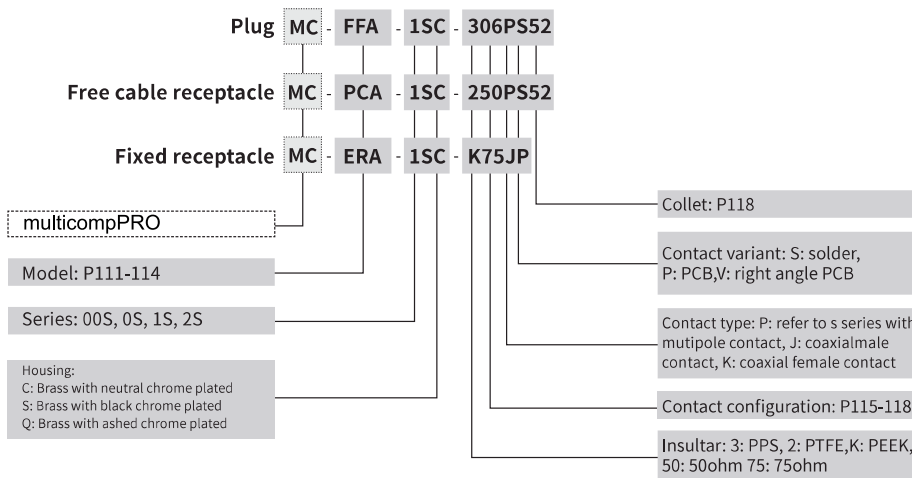- Available solder, PCB and right angle PCB contact

Technical Characteristics

Characteristics	Value	Standard
Endurance	>5000 Cycle	IEC 60512-5 test 9a
Humidity	Up to 95% at 60°C	
Temperature Range	-55°C to +250°C	
Resistance to Vibration	10-2000Hz, 15g	IEC 60512-4 test 6d
Shock Resistance	100g,6ms	IEC 60512-4 test 6c
Salt Spray Corrosion Test	>96h	IEC 60512-6 test 11f
Protection Index (mated)	IP50	IEC 60529
Climactic Category	55/175/21	IEC 60068-1

Electrical

Characteristics		Value	Standard
Shielding Efficiency	at 10MHz	>75dB	IEC 60619-1-3
	at 1GHz	>40dB	IEC 60619-1-3

Part Number Explanation

Plug: MC - FFA - 1SC - 306PS52

Free cable receptacle: MC - PCA - 1SC - 250PS52

Fixed receptacle: MC - ERA - 1SC - K75JP

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- Model: P111-114
- Series: 00S, 0S, 1S, 2S
- Housing:
  C: Brass with neutral chrome plated
  S: Brass with black chrome plated
  Q: Brass with ashed chrome plated
- Insultar: 3: PPS, 2: PTFE,K: PEEK, 50: 50ohm 75: 75ohm
- Contact configuration: P115-118
- Contact type: P: refer to s series with mutipole contact, J: coaxialmale contact, K: coaxial female contact
- Contact variant: S: solder, P: PCB,V: right angle PCB
- Collet: P118

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MCFFA Series - Cable Mount Straight Plug

MCFFA00SC250JS32
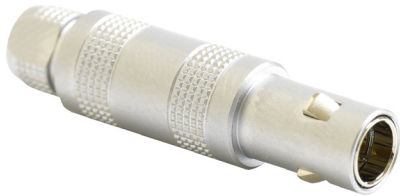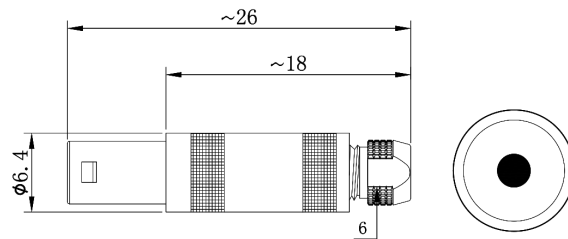
Diagram

MCFFA0SC250JS42

Diagram

CONNECTOR SOLDER CUP VIEW
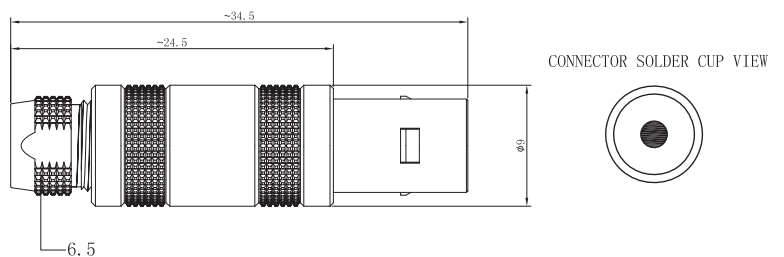
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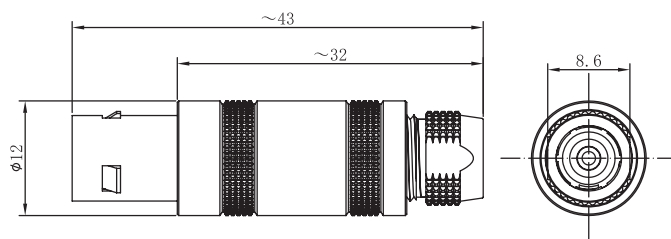
Diagram

MCERA Series - Panel Mount Fixed Receptacle, Nut fixing, with earthing tag
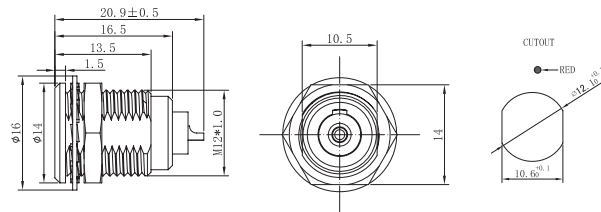
MCERN0SC250KS

Diagram

CUTOUT — RED

CONNECTOR SOLDER CUP VIEW

Dimensions : Millimetres

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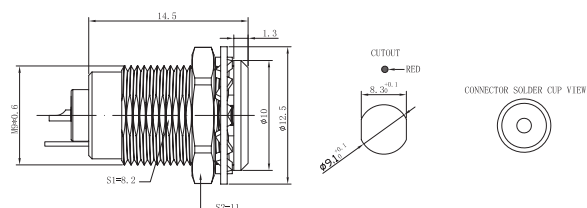
MCERA1SC250KS

Diagram

MCERA Series - Panel Mount Receptacle
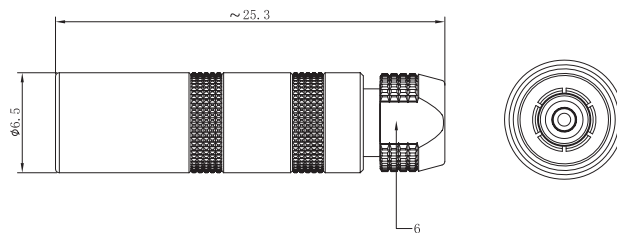
MCERN00SC250KS
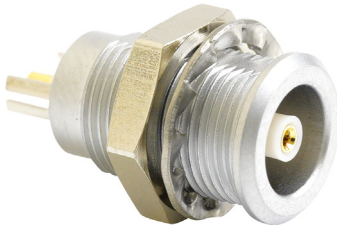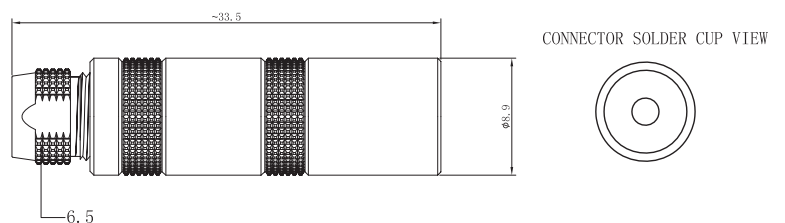
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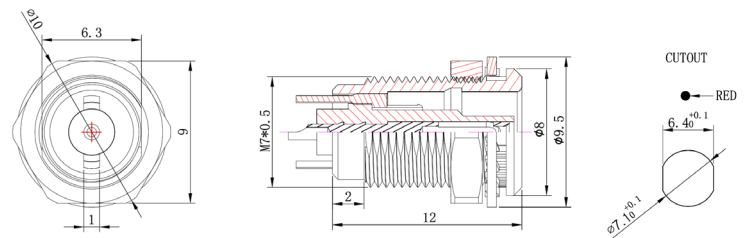
MCPCA Series - Cable Mount Receptacle

MCPCA00SC250KS32
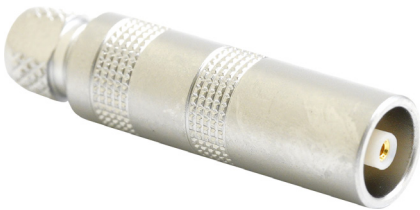
Diagram

MCPCA0SC250KS42
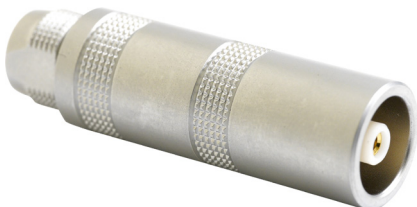
Diagram

CONNECTOR SOLDER CUP VIEW

Dimensions : Millimetres

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MCPCA1SC250KS52

Diagram

~40.5

φ11.9

8.5

CONNECTOR SOLDER CUP VIEW
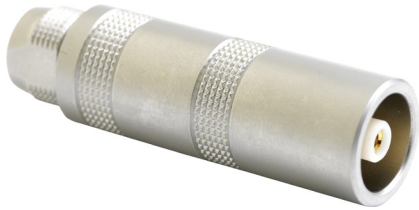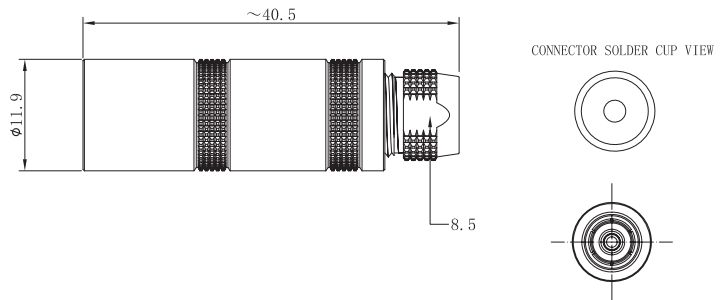
Part Number Table

Description	Part Number
Circular Connector, Cable Mount Straight Plug, 26mm	MCFFA00SC250JS32
Circular Connector, Cable Mount Straight Plug, 34.5mm	MCFFA0SC250JS42
Circular Connector, Cable Mount Straight Plug, 43mm	MCFFA0SC250JS42
Panel Mount Fixed Receptacle, Nut fixing, with earthing tag, M9×0.6	MCERN0SC250KS
Panel Mount Fixed Receptacle, Nut fixing, with earthing tag, M12×1	MCERA1SC250KS
Panel Mount Receptacle, M7×0.5	MCERN00SC250KS
Cable Mount Receptacle, 25.3mm	MCPCA00SC250KS32
Cable Mount Receptacle, 33.5mm	MCPCA0SC250KS42
Cable Mount Receptacle, 40.5mm	MCPCA1SC250KS52

Dimensions : Millimetres

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