

SSMCX RF Connectors and Assemblies

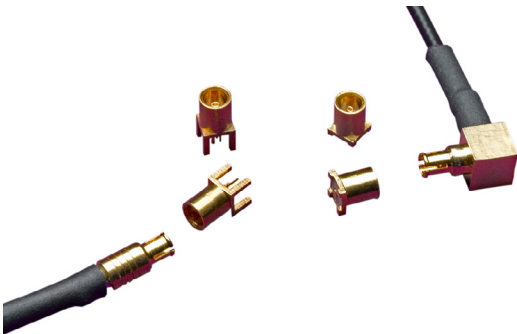


SSMCX ultra microminiature connectors are ideal for compact, low weight, high density applications. Individual pairs and ganged solutions both provide excellent RF performance up to 6 GHz.

SSMCX connectors are approximately 35% smaller than MMCX connectors and are available in 50 and 75 Ohm versions. The extremely small size makes SSMCX connectors an ideal solution for high-density RF applications. SSMCX Coaxial connectors are also available in 4, 6 and 8 port layouts, with vertical and right-angle orientations. The coax contacts have a 3.00mm pitch and are available in standard and non-magnetic versions.

Features and Benefits

High-density connector to minimize PCB space	Standard 4 and 8 port ganged wire to board available
SSMCX connectors are approximately 35% smaller than MMCX connectors	Custom cable assemblies available upon request
Metal PCB board lock posts for strength and retention	Excellent electrical performance up to 6 GHz
Available in 50 or 75 Ohm versions	Provides a variety of options for design flexibility
Low loss cable version for higher signal strength	Non-magnetic versions available



Specifications

REFERENCE INFORMATION

Packaging: Tray, Tape and Reel and Bag
UL File No.: None
CSA File No.: None
Designed In: Millimeters
RoHS: Yes
Halogen Free: N/A
Glow Wire Compliant: N/A

MECHANICAL

Force to Engage/Disengage:
Engage – 3.0 lbs Max
Disengage – 1.0 lbs Min / 3.0 lbs Max
Durability (cycles): 500

ELECTRICAL

Nominal Impedance: 50 and 75 Ohms
Frequency Rating:
50 Ohm: DC to 6 GHz
75 Ohm: DC to 6 GHz
Insertion Loss (max.):
50 Ohm - 0.10 dB max at 1 GHz
75 Ohm - 0.17 dB max at 1 GHz
VSWR (max.):
50 Ohm
1.07 at 1 GHz
1.15 at 3 GHz
1.25 at 6 GHz
75 Ohm
1.07 at 1 GHz
1.18 at 3 GHz
1.40 at 6 GHz

Voltage (max.): 170Vrms – 50 and 75 Ohm
Center Contact Resistance: 10.0 Milliohms Outer
Contact Resistance: 4.0 Milliohms
Dielectric Withstanding Voltage: 500 Vrms
Insulation Resistance: 1,000 Megohms Min

PHYSICAL

50 and 75 Ohms
Body: Brass or Zinc Alloy
Body Plating: Nickel, Gold and Tin
Center Contact: Phosphor Bronze
Contact Plating: Gold
Insulator: Teflon
Operating Temperature: -55 to +155°C

SSMCX RF Connectors and Assemblies



Ordering Information

SSMCX RF PCB Connectors 50 and 75 Ohm

Series No.	Description	Impedance	Termination Style	PCB Thickness	Body	Plating
73413-0040	Vertical PCB Jack Receptacle	50	Surface Mount	N/A	Brass	Gold
73413-0050	Vertical PCB Jack Receptacle	50	Through Hole	1.2mm	Brass	Gold
73415-4670	Edge Mount PCB Jack Receptacle	50	Edge Mount	N/A	Brass	Gold
73413-6180	Vertical PCB Jack Receptacle	50	Through Hole	3.2mm	Brass	Gold
73415-6890	Right Angle PCB Jack Receptacle	50	Through Hole	1.2mm	Brass	Gold
73413-6480	Vertical PCB Jack Receptacle	75	Surface Mount	N/A	Brass	Gold
73413-6550	Vertical PCB Jack	75	SMT Pin T/H Body	2.36mm	Brass	Gold

SSMCX RF Cable Connectors 50 Ohm

Series No.	Description	Impedance	Cable Type	Body	Plating	Plating
73413-0060	Right Angle SSMCX Plug	50	1.32mm	Brass	Gold	Gold
73415-4680	Straight SSMCX Plug	50	1.37mm	Brass	Gold	Gold
73415-4760	Straight SSMCX Jack	50	1.37mm	Brass	Gold	Gold
73413-0070	Right Angle SSMCX Plug	50	RG-178	Brass	Gold	Gold
73413-6420	Straight SSMCX Plug	50	1.13mm	Brass	Gold	Gold
73413-6430	Right Angle SSMCX Plug	50	1.13mm	Brass	Gold	Gold

SSMCX Ganged 4 and 6 Port PCB Connectors

Series No.	Description	Impedance	Termination Style	PCB Thickness	Body	Plating
73358-0491	4 Port Right Angle Jack Receptacle	50	Through Hole	2.36mm	Brass	Gold
73358-0270	4 Port Edge Mount Jack Receptacle	50	Edge Mount	1.57mm	Brass	Gold
73358-0320	4 Port Vertical Jack Receptacle	50	SMT	N/A	Brass	Gold
73358-0761	4 Port Right Angle Jack Receptacle	75	Through Hole	1.2mm	Brass	Gold
73358-0272	6 Port Edge Mount Jack Receptacle	50	Edge Mount	1.57mm	Brass	Gold
73358-0492	6 Port Right Angle Jack Receptacle	50	Through Hole	1.2mm	Brass	Gold
73358-0680	6 Port Vertical Jack Receptacle	50	SMT	N/A	Brass	Gold

SSMCX Ganged Housing and Terminals

Series No.	Description	Cable Type	Body	Plating	Body	Plating
73358-0230	4 Port Straight Housing	N/A	Nylon	N/A	Brass	Gold
73358-0232	6 Port Straight Housing	N/A	Nylon	N/A	Brass	Gold
73413-6081	50 Ohm SSMCX Straight Plug for Housing	RG-178	Brass	Gold	Brass	Gold
73413-6260	50 Ohm SSMCX Straight Plug for Housing	SR-047	Brass	Gold	Brass	Gold
73415-6450	50 Ohm SSMCX Straight Plug for Housing	RG-405 (.086)	Brass	Gold	Brass	Gold
73415-6750	75 Ohm SSMCX Straight Plug for Housing	RG-179	Brass	Gold	Brass	Gold

www.molex.com/bncrfconnectors.html