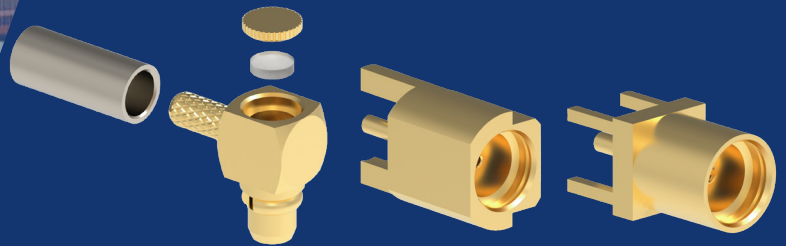


Shintonic

Making Connection Clearly

AN EXCELLENT CONNECTION SOLUTION COMPANY.

MMCX Series



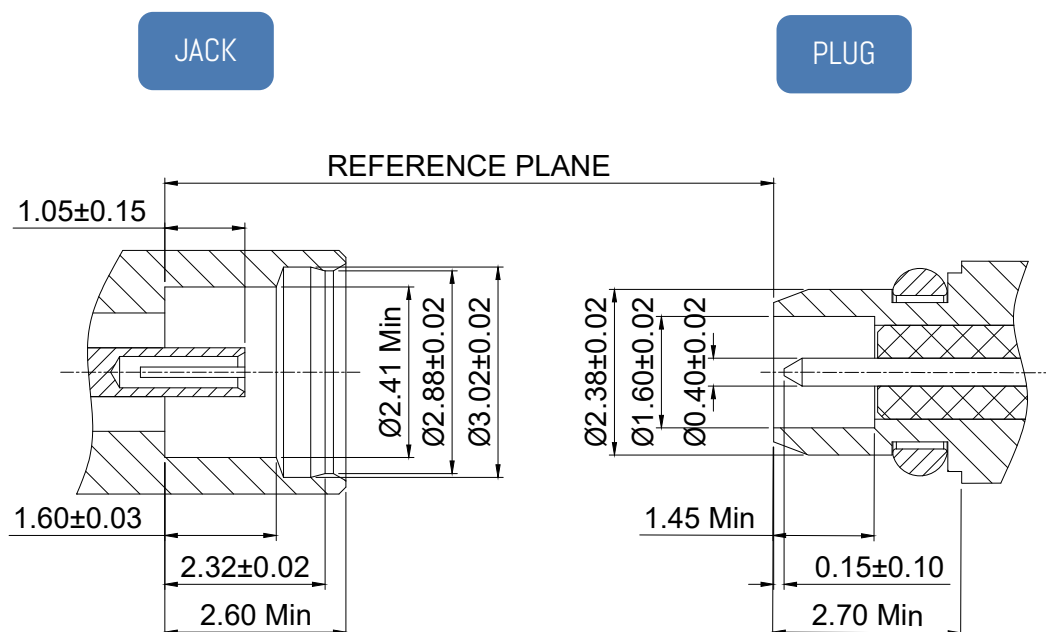
MMCX series

- 50 Ohm Nominal Impedance
- Frequency range: Up to 6 GHz
- Subminiature coaxial connectors
- Complies with specification CECC 22000
- Cable, right angle, and edge card styles available
- Snap-on interface for quick connect and disconnect

Shintonic MMCX connectors are intended for use in applications where the smallest dimensions have to be achieved. These connectors can be used in applications from DC to 6 GHz

The reliable "snap-on" coupling mechanism ensures that the electrical parameters are consistently reproduced.

Due to its non-slotted outer contact, the MMCX series provide a low RF leakage. In addition, Shintonic SMT MMCX connectors fully meet today's SMT (Surface Mount Technology) requirements with superior design, material selection and packaging.



ELECTRICAL SPECIFICATIONS

Impedance	50 Ω
Frequency range	DC - 6 GHz
VSWR	1.15 max. @ DC - 4 GHz 1.40 max. @ 4 - 6 GHz
RF-leakage	60 dB minimum 1 GHz (flexible cable) 70 dB minimum 1 GHz (semi-rigid cable)
Voltage rating (at sea level)	$\leq$ 170 Vrms (depending on cable)
Contact resistance center contact:	$\leq$ 10 m Ω
outer contact:	$\leq$ 5 m Ω
Insulation resistance	1,000 M Ω minimum
Dielectric withstanding voltage	500 Vrms (at sea level)

MECHANICAL SPECIFICATIONS

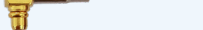
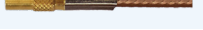
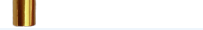
Mating	Snap-on coupling
Contact Captivation	2.3 lbs
Engagement force	$\leq$ 4.05 lbs (18N)
Disengagement force	$\geq$ 1.4 lbs (6N)
Durability (matings)	500 cycles minimum

ENVIRONMENTAL SPECIFICARIONS

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, method 107, cond. F
Moisture resistance	MIL-STD-202, method 106
Corrosion	MIL-STD-202, method 101, cond. B
Vibration	3 cycles, 3 opposite directions, 10 - 150 Hz, 10 - 60 Hz: 0.75mm / 0.03 in., 60 - 150 Hz: 10 G
Mechanical shock	MIL-STD-202, method 213, cond. B
Humidity	MIL-STD-202, method 103, cond. B

MATERIAL SPECIFICATIONS

Body and outer contacts	Brass, nickel or gold plated
Male contact pin	Brass, gold plated
Female contact pin	Beryllium copper or phosphor bronze, gold plated
Crimp ferrule	Brass, nickel plated or gold plated
Insulator	PTFE

Cable Connector	Gender	Orientation	Cable Types	Mount	Part Number
	Plug	Straight	1.32mm	Crimp End	MMMS100132-A230
	Plug	Straight	1.37mm	Crimp End	MMMS100137-Z312
	Plug	Straight	RG178	Crimp End	MMMS10G178-A333
	Plug	Straight	RG316/RG174/LMR100	Crimp End	MMMS10G316-A334
	Plug	Straight	0.047"	Solder End	MMMS100047-A237
	Plug	Straight	RG405/0.085"	Solder End	MMMS10G405-A273
	Plug	Straight	RG402/0.141"	Solder End	MMMS10G402-A214
	Plug	Right Angle	RG316/RG174/LMR100	Crimp End	MMMR10G316-A121
	Plug	Right Angle	RG178	Crimp End	MMMR10G178-A169
	Plug	Right Angle	1.13mm	Crimp End	MMMR100113-A53
	Plug	Right Angle	1.32mm	Crimp End	MMMR100132-A332
	Plug	Right Angle	1.37mm	Crimp End	MMMR100137-A212
	Plug	Right Angle	0.047"	Solder End	MMMR100047-A238
	Plug	Right Angle	RG405/0.085"	Solder End	MMMR10G405-A179
	Jack	Straight	RG178	Crimp End	MMFS10G178-A326
	Jack	Straight	RG316/RG174/LMR100	Crimp End	MMFS10G316-A327
	Jack	Right Angle	RG178	Crimp End	MMFR10G178-A328
	Jack	Right Angle	RG316/RG174/LMR100	Crimp End	MMFR10G316-A183

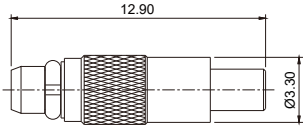
PCB Connector	Gender	Orientation	Mount	Part Number
	Plug	Straight	End Launch	MMMS400000-A111
	Plug	Straight	Surface Mount	MMMS400000-A330
	Jack	Straight	Through Hole	MMFS100000-A55
	Jack	Straight	Through Hole	MMFS100000-Z119
	Jack	Straight	Through Hole	MMFS100000-A241
	Jack	Straight	End Launch	MMFS100000-A75
	Jack	Straight	Surface Mount	MMFS100000-A82
	Jack	Right Angle	Through Hole	MMFR100000-A331

STRAIGHT PLUGS (MALE)

MMMS100132-A230



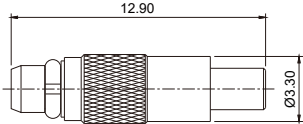
MMCX Plug straight for 1.32mm cable, crimp



MMMS100137-Z312



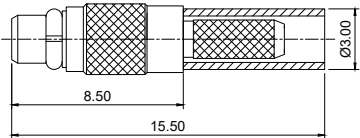
MMCX Plug straight for 1.37mm cable, crimp



MMMS10G178-A333



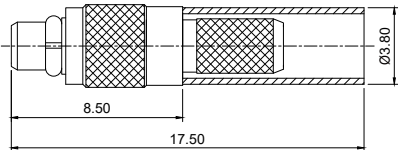
MMCX Plug straight for RG178 cable, crimp



MMMS10G316-A334



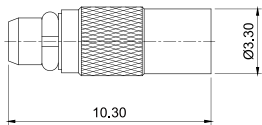
MMCX Plug straight for RG316/RG174/LMR100 cable, crimp



MMMS100047-A237



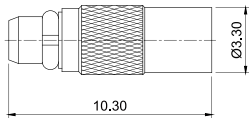
MMCX Plug straight for 0.047\"/>



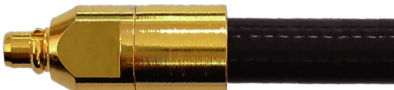
MMMS10G405-A273



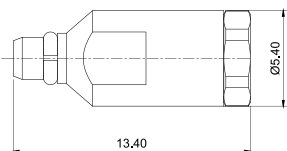
MMCX Plug straight for RG405/0.086\"/>



MMMS10G402-A214



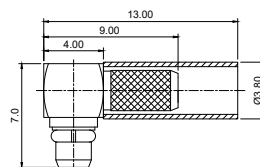
MMCX Plug straight for RG402/0.141\"/>



RIGHT ANGLE PLUGS (MALE)

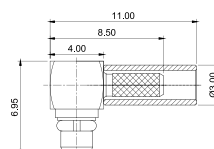
MMMR10G316-A121

MMCX Plug right angle for RG316/RG174/LMR100 cable,crimp



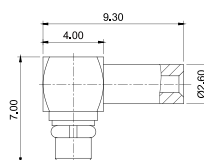
MMMR10G178-A169

MMCX Plug right angle for RG178 cable,crimp



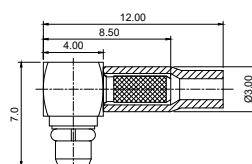
MMMR100113-A53

MMCX Plug right angle for 1.13mm cable,crimp



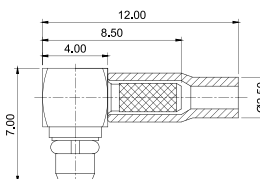
MMMR100132-A332

MMCX Plug right angle for 1.32mm cable,crimp



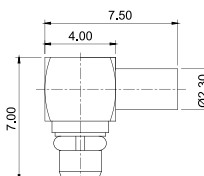
MMMR100137-A212

MMCX Plug right angle for 1.37mm cable,crimp



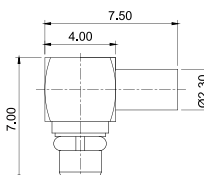
MMMR100047-A238

MMCX Plug right angle for 0.047" cable,solder



MMMR10G405-A179

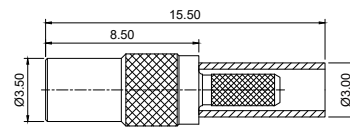
MMCX Plug right angle for RG405/0.086" cable,solder



STRAIGHT JACKS (FEMALE)

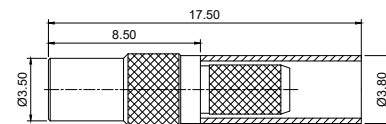
MMFS10G178-A326

MMCX Jack straight for RG178 cable,crimp



MMFS10G316-A327

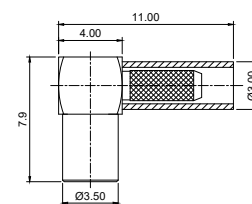
MMCX Jack straight for RG316/RG174/LMR100 cable,crimp



RIGHT ANGLE JACKS (FEMALE)

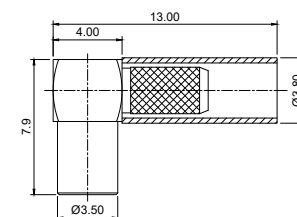
MMFR10G178-A328

MMCX Jack right angle for RG178 cable,crimp



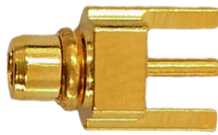
MMFR10G316-A183

MMCX Jack right angle for RG316/RG174/LMR100 cable,crimp

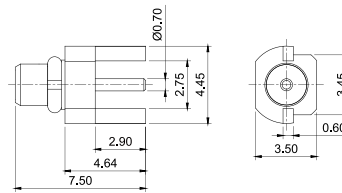


STRAIGHT PLUGS (MALE)

MMMS400000-A111



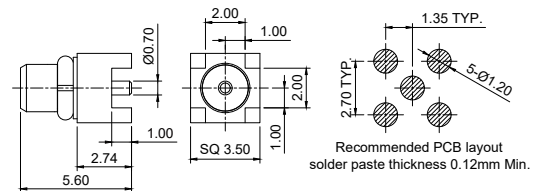
MMCX Plug straight end launch for PCB



MMMS400000-A330

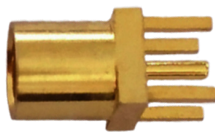


MMCX Plug straight surface mount for PCB

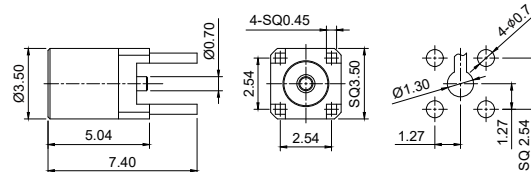


STRAIGHT JACKS (FEMALE)

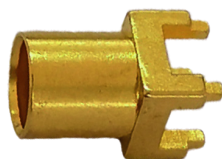
MMFS100000-A55



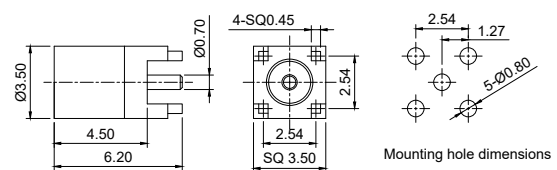
MMCX Jack straight through hole for PCB



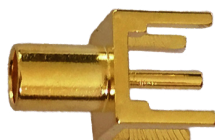
MMFS100000-Z119



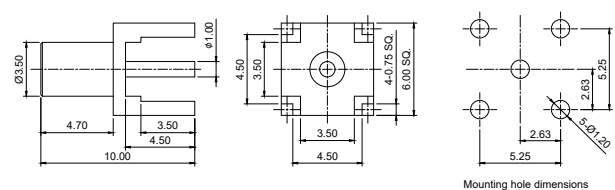
MMCX Jack straight through hole for PCB



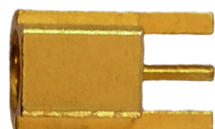
MMFS100000-A241



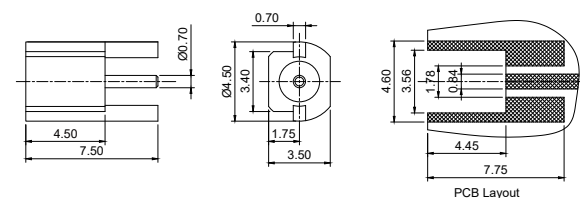
MMCX Jack straight through hole for PCB



MMFS100000-A75

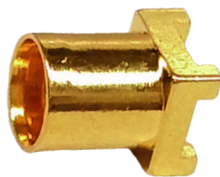


MMCX Jack straight end launch for PCB

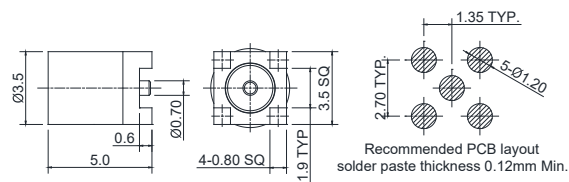


STRAIGHT JACKS (FEMALE)

MMFS100000-A82

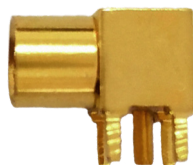


MMCX Jack straight surface mount for PCB

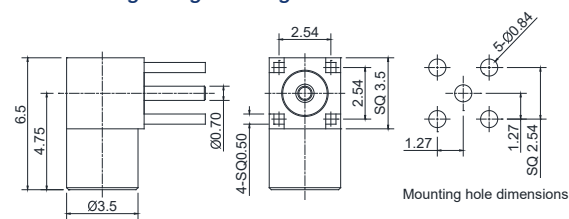


RIGHT ANGLE (FEMALE)

MMFR100000-A331



MMCX Jack right angle through hole for PCB





MAKING CONNECTION CLEARLY

Shintonic Technology Co., Ltd.

No. 1255 Huayuan RD, Zhangpu Town, Kunshan City, Jiangsu, China

Tel: +86-512-57291216

Fax: +86-512-57291217

Email: sales@shintonic.com



26.01.19