

SMA Connectors

SMA (subminiature version A) connectors are high performance coaxial RF connectors with 50-ohm matching and excellent electrical performance up to 18GHz with insertion loss as low as 0.17dB. They also have high mechanical strength through their thread coupling. This coupling minimizes reflections and attenuation by ensuring uniform contact. SMA connectors are among the most popular connector type for OEMs as they offer high durability, low VSWR and a variety of antenna mating choices. In order to comply with FCC Part 15 requirements for non-standard antenna connectors, SMA connectors are also available in reverse polarity (RP-SMA).

PCB Board Termination SMA and RP-SMA Connectors								
	Connector Type	Orientation	Mount	Style	Board Thickness	Body Finish	Polarity	Part Numbers
	SMA001	Straight	Through-hole	Receptacle		Nickel	Standard	CONSMA001
						Gold		CONSMA001-G
						Nickel	Reverse	CONREVSMA001
						Gold		CONREVSMA001-G
	SMA001-SMD	Straight	Surface-mount	Receptacle		Nickel	Standard	CONSMA001-SMD
						Gold		CONSMA001-SMD-G
						Nickel	Reverse	CONREVSMA001-SMD
						Gold		CONREVSMA001-SMD-G
	SMA003	Straight	Edge	Receptacle	0.031 in	Nickel	Standard	CONSMA003.031
					0.062 in		Reverse	CONREVSMA003.031
							Standard	CONSMA003.062
							Reverse	CONREVSMA003.062
	SMA006	Straight	Edge, Bulkhead	Receptacle	0.031 in	Nickel	Standard	CONSMA006.031
			Edge, Square Flange		Reverse		CONREVSMA006.031	
					0.062 in		Standard	CONSMA006.062
							Reverse	CONREVSMA006.062
								CONREVSMA006.062SQ
	SMA013	Straight	Edge	Plug	0.031 in	Nickel	Standard	CONSMA013.031
					0.062 in		Reverse	CONREVSMA013.031
							Standard	CONSMA013.062
							Reverse	CONREVSMA013.062
	SMA002	Right Angle	Through-hole	Receptacle		Nickel	Standard	CONSMA002
						Gold		CONSMA002-G
						Nickel	Reverse	CONREVSMA002
						Gold		CONREVSMA002-G
	SMA002-SMD	Right Angle	Surface-mount	Receptacle		Nickel	Standard	CONSMA002-SMD
						Gold		CONSMA002-SMD-G
						Nickel	Reverse	CONREVSMA002-SMD
						Gold		CONREVSMA002-SMD-G

Cable Termination SMA and RP-SMA Connectors

	Connector Type	Orientation	Mount
	SMA007	Straight	Crimp End
	SMA007-R58	Straight	Crimp End
	SMA007-R178	Straight	Crimp End
	SMA012	Right Angle	Crimp End
	SMA012-R58	Right Angle	Crimp End
	SMA012-R178	Right Angle	Crimp End
	SMA011	Straight	Crimp End
	SMA011-R58	Straight	Crimp End
	SMA011-R178	Straight	Crimp End
	SMA005	Straight	Crimp End
	SMA005-R58	Straight	Crimp End
	SMA005-R178	Straight	Crimp End
	SMA014	Straight	Crimp End Rear-Mount
	SMA014-R58	Straight	Crimp End Rear-Mount
	SMA014-R178	Straight	Crimp End Rear-Mount
	SMA015	Straight	Crimp End Front-Mount
	SMA015-R178	Straight	Crimp End Front-Mount