

SMA



SMA series is small type thread connectors manufactured according to MIL-C-39012, IEC169-15 and CECC22110. Its characteristics are as follows: long life, excellent performance, high reliability, It is widely used in microwave equipments and digital telecommunication equipments.

Electric Data		
Characteristic Impedance	50 ohm	
Frequency Range	Semi-rigid Cable: DC-18GHz	
Working Voltage	335 VRMS(max at sea level)	
Dielectric Withstanding Voltage	1000 VRMS(min at sea level)	
VSWR	straight connector with semi-rigid cable $\leq 1.05+0.01f$	
Contact Resistance	Inner: 3 milliohms(max) Outer: 2 milliohms(max)	
Insulation Resistance	5000 megohms(min)	
Mechanical Data		
Durability Mating	500 Cycles min.	
Material Data		
Connector Parts	Materials	Plating Finish
Body	Brass or SS	Gold or passivated
Male Pin	Brass	Gold
Insulators	PTFE	N/A
Gasket	Sillicon rubber	N/A
Environmental Data		
Temperature Range	-65~+165°C	

Note: We can provide other materials and plating specifications according to customers' requirements

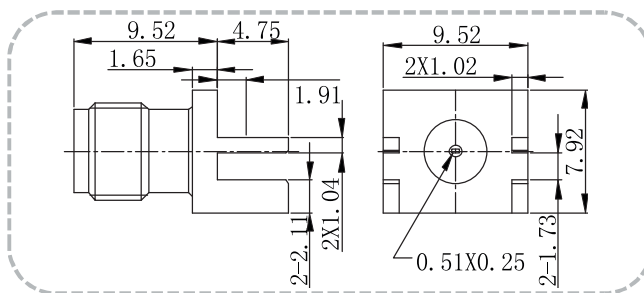
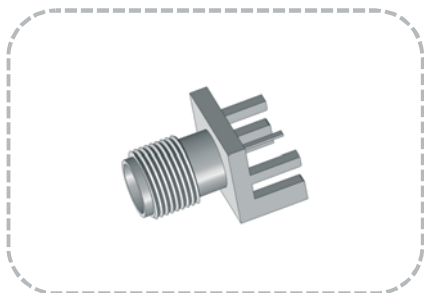


APMA

Part Number	Description
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SMA-JIB-ET

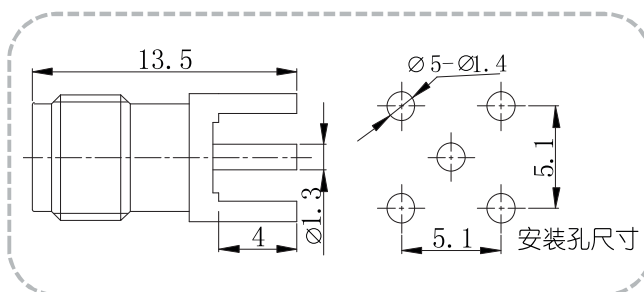
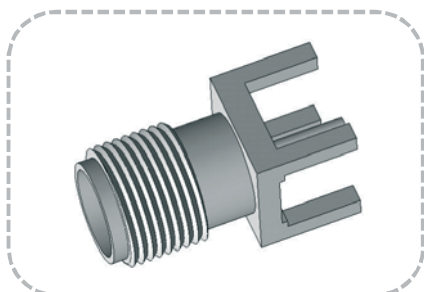
SMA Female End Launch Receptacle-Tab Contact



Part Number	Description
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SMA-JIB-01

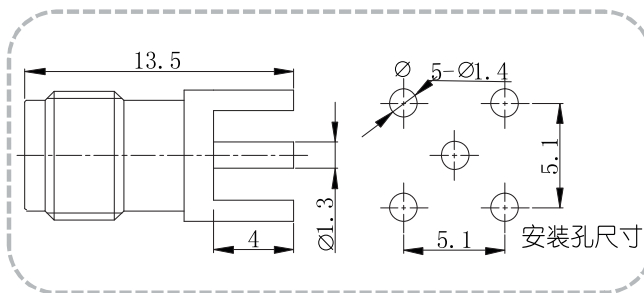
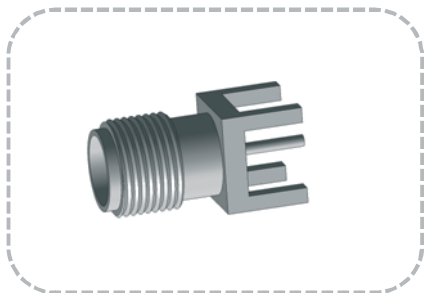
SMA Female Straight PCB Mount Type



Part Number	Description
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SMA-JIB-02

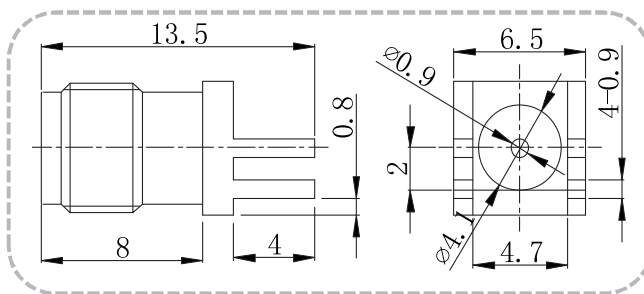
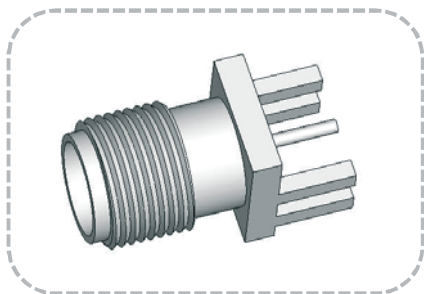
SMA Female Straight PCB Mount Type



Part Number	Description
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SMA-JIB-03

SMA Female Straight PCB Mount Type





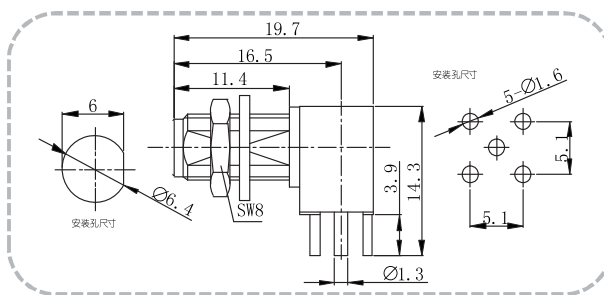
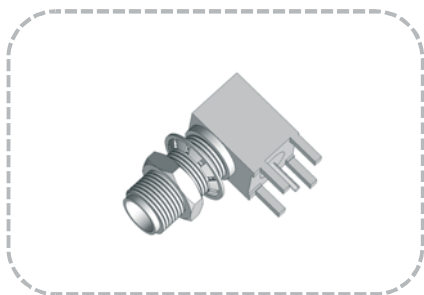
APMA

Part Number

Description

SMA-JKT-01

SMA Female R/A Bulkhead PCB Mount Type

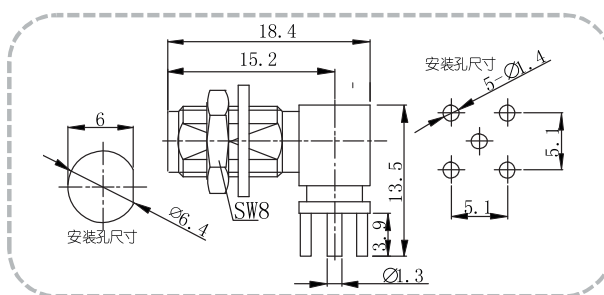
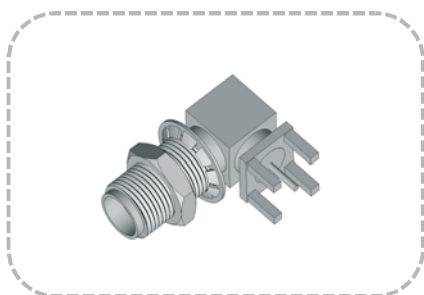


Part Number

Description

SMA-JKT-02

SMA Female R/A Bulkhead PCB Mount Type

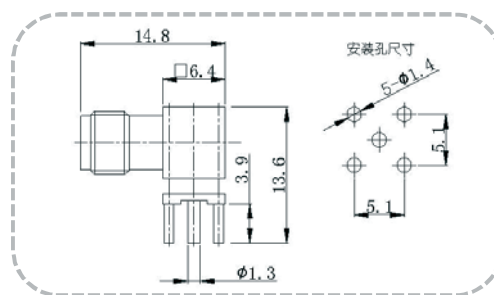
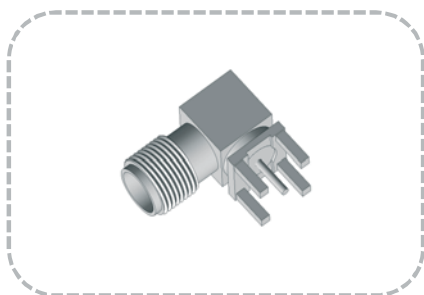


Part Number

Description

SMA-JTB

SMA Female Right Angle PCB Mount

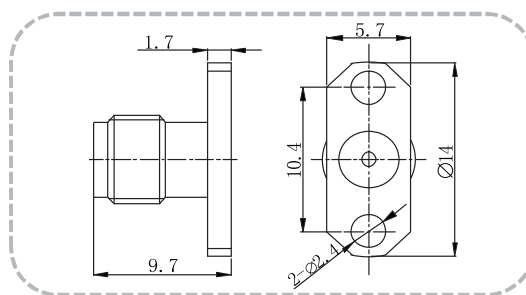
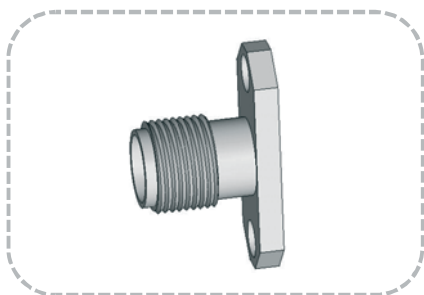


Part Number

Description

SMA-JOM-02

SMA Female Panel Mount Solder Pot Terminal 2 Holes Flange



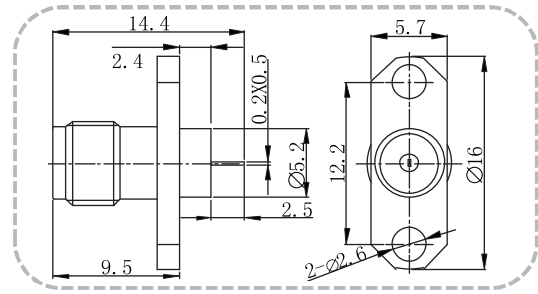
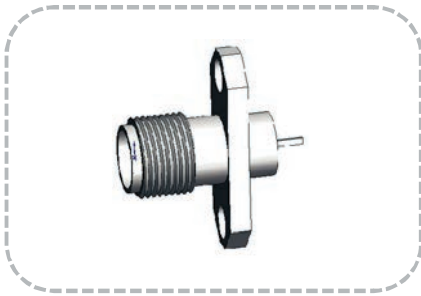


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Part Number

Description

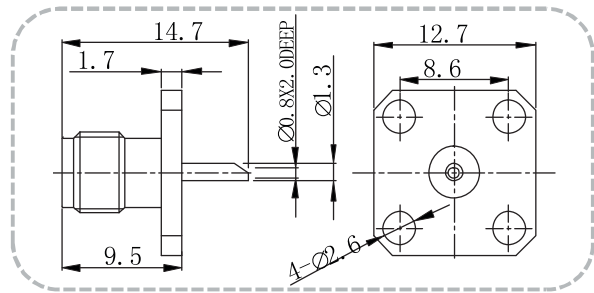
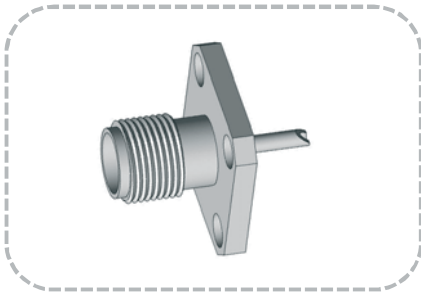
SMA-JOM-03 SMA Female Panel Mount Solder Pot Terminal 2 Holes Flange



Part Number

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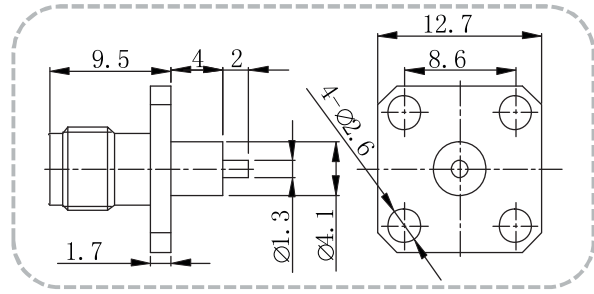
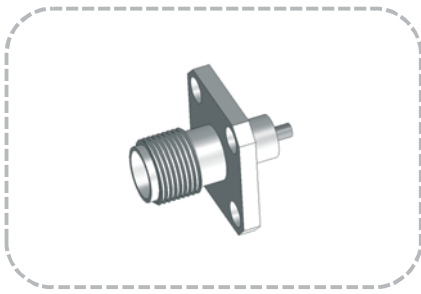
SMA-JOM-04 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange



Part Number

Description

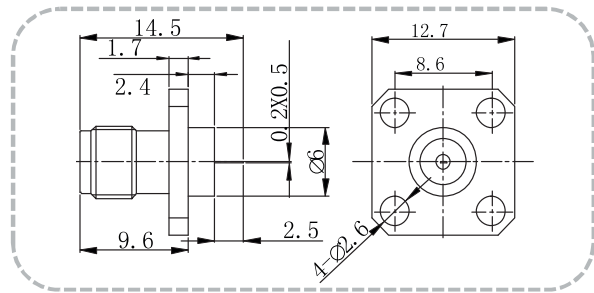
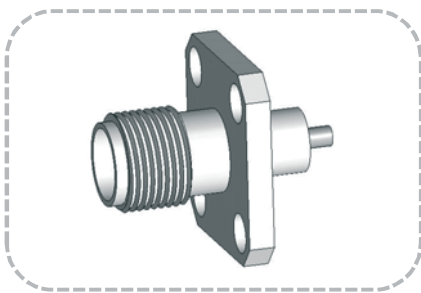
SMA-JOM-05 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange



Part Number

Description

SMA-JOM-06 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange

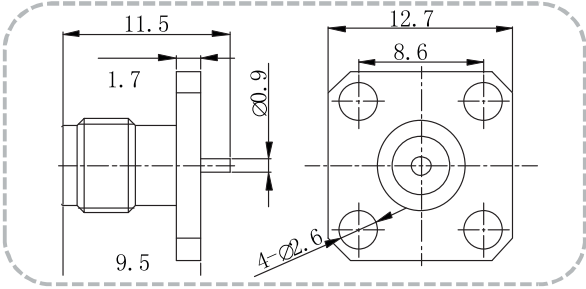
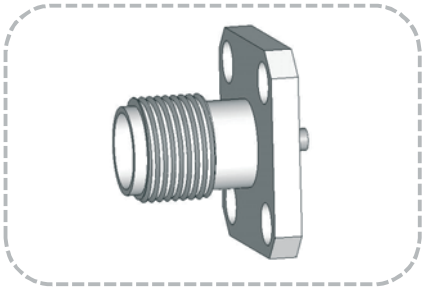




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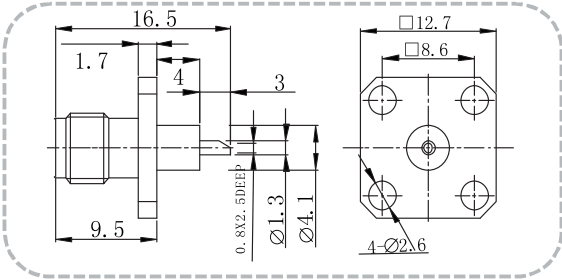
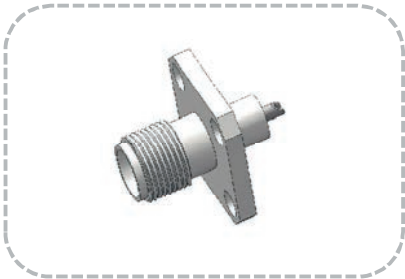
Part Number	Description
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SMA-JOM-07 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange



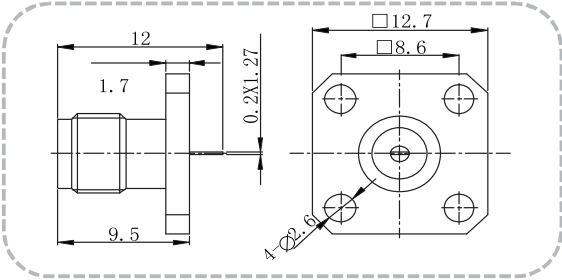
Part Number	Description
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SMA-JOM-08 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange



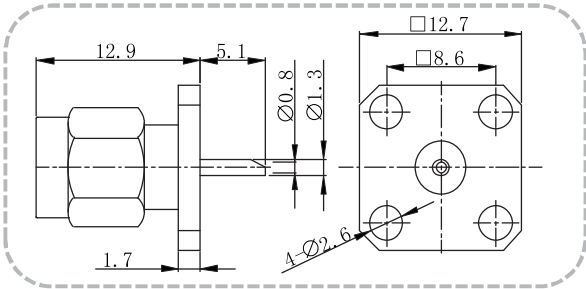
Part Number	Description
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SMA-JOM-09 SMA Female Panel Mount Solder Pot Terminal 4 Holes Flange



Part Number	Description
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SMA-POM-01 SMA Male Panel Mount Solder Pot Terminal 4 Holes Flange

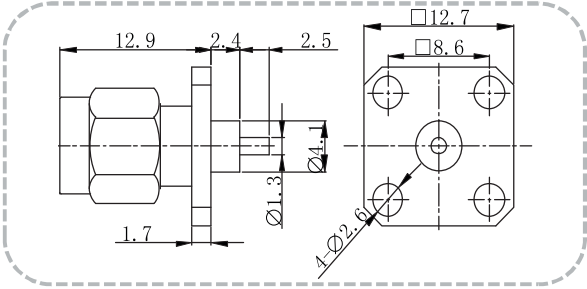
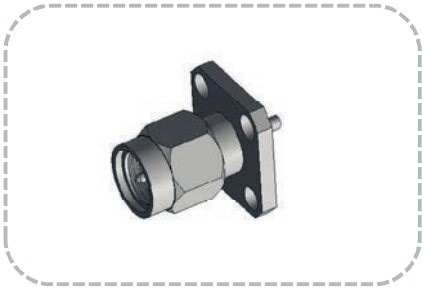




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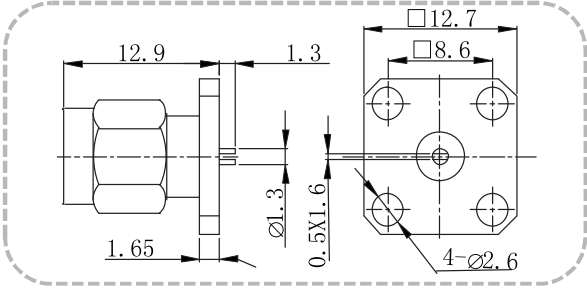
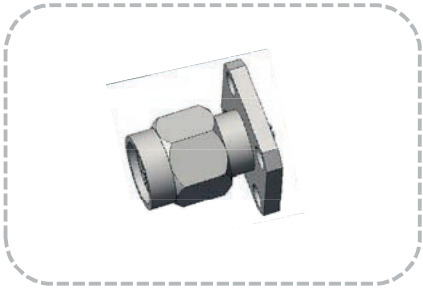
Part Number	Description
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SMA-POM-02	SMA Male Panel Mount Solder Pot Terminal 4 Holes Flange
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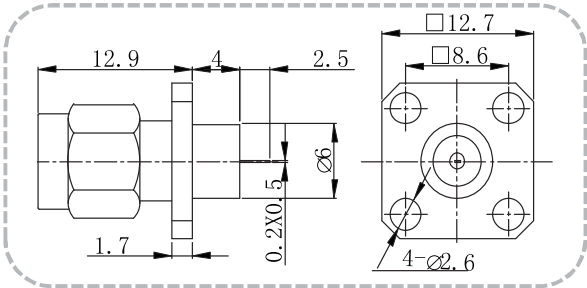
Part Number	Description
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SMA-POM-03	SMA Male Panel Mount Solder Pot Terminal 4 Holes Flange
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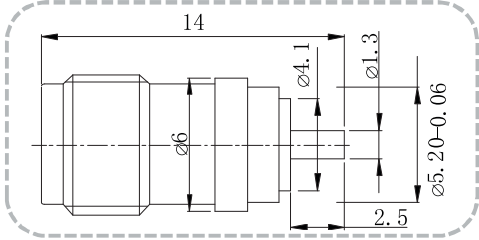
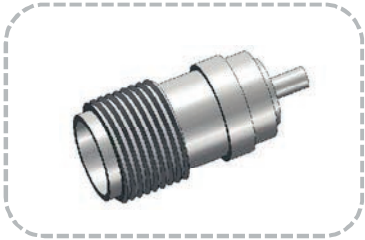
Part Number	Description
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SMA-POM-04	SMA Male Panel Mount Solder Pot Terminal 4 Holes Flange
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Part Number	Description
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SMA-JIM	SMA Female Straight Solder Pot Terminal
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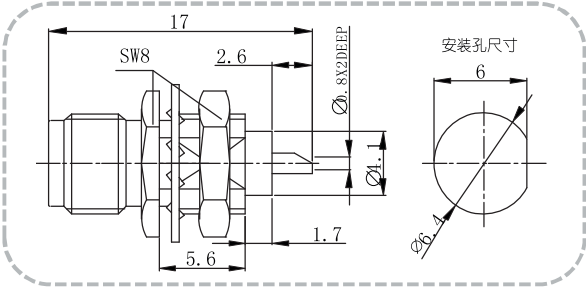


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Part Number	Description
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SMA-JKM-01

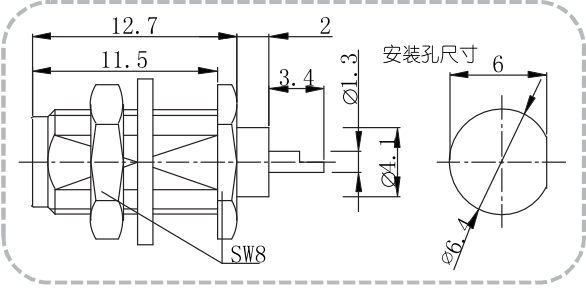
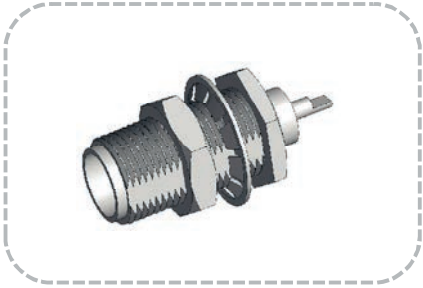
SMA Female Straight Bulkhead Solder Pot Terminal



Part Number	Description
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SMA-JKM-02

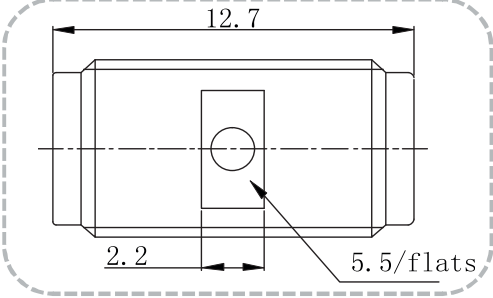
SMA Female Straight Bulkhead Solder Pot Terminal



Part Number	Description
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SMA-JJ

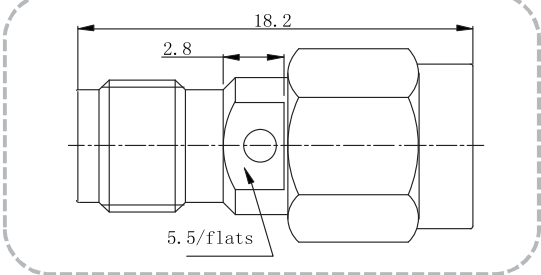
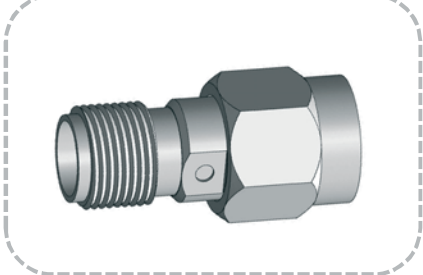
SMA Female To Female Adaptor



Part Number	Description
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SMA-PJ

SMA Male To Female Adaptor



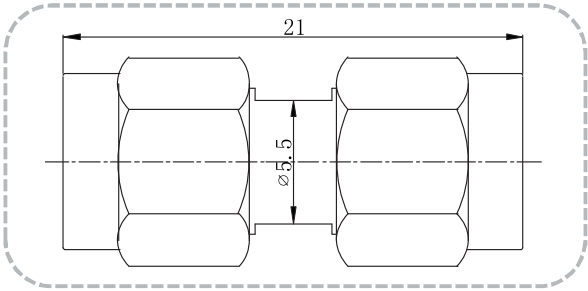
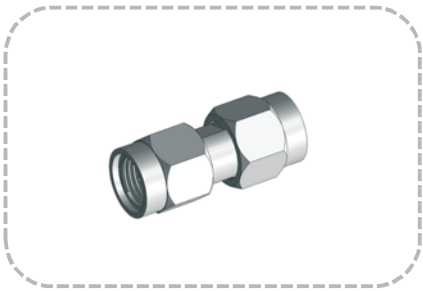


APMA

Part Number	Description
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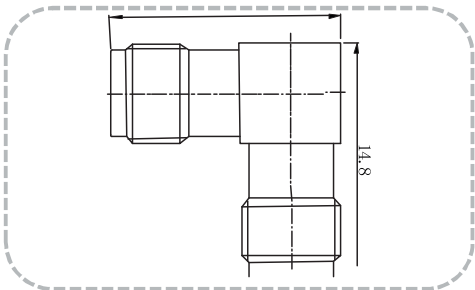
SMA Male To Male Adaptor



Part Number	Description
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SMA-JTJ

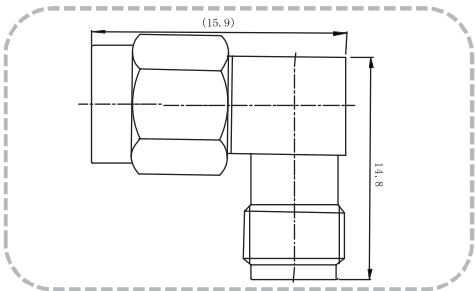
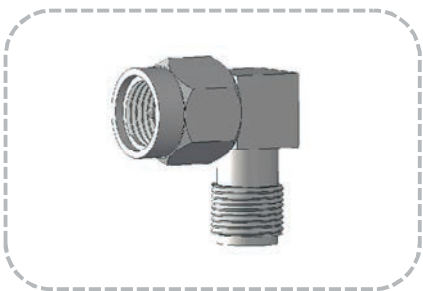
SMA Female To Female R/A Adaptor



Part Number	Description
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SMA-JTP

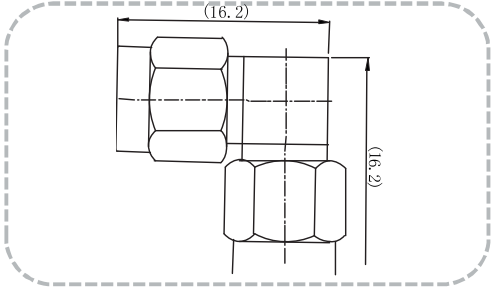
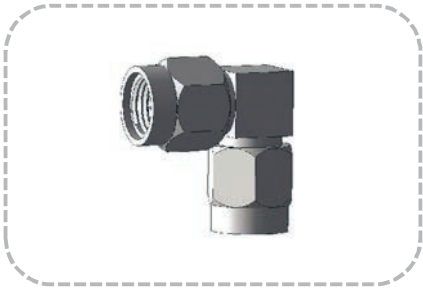
SMA Female To Male R/A Adaptor



Part Number	Description
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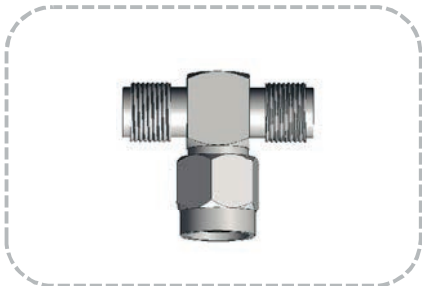
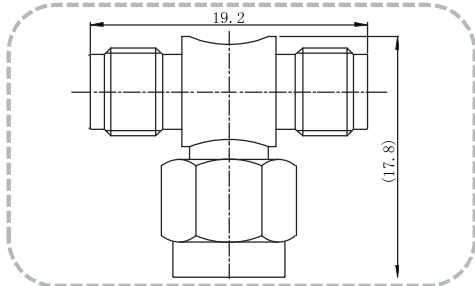
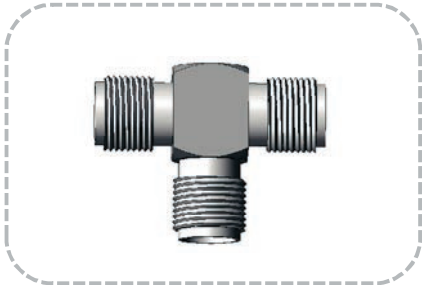
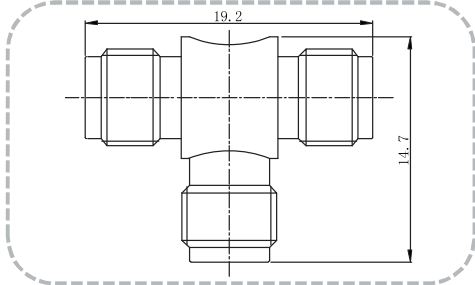
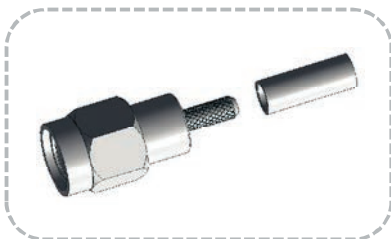
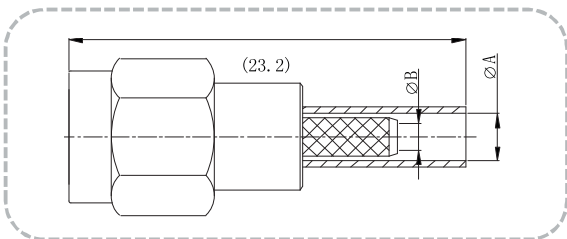
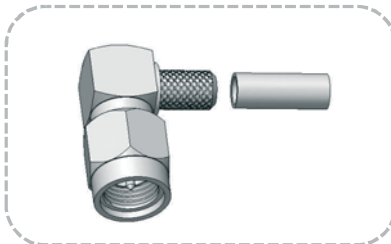
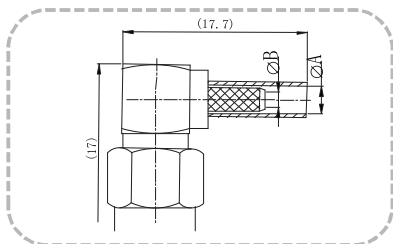
SMA-PTP

SMA Male To Male R/A Adaptor





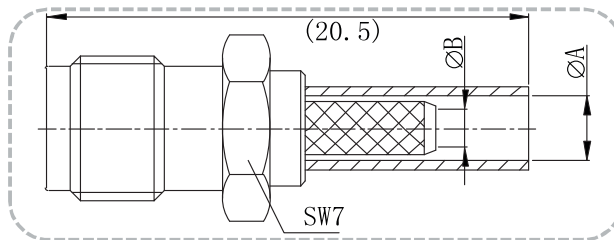
APMA

Part Number		Description	
SMA-JJP		SMA Double Females To Male Type Adaptor	
			
Part Number		Description	
SMA-JJJ		SMA Double Females To Female Type Adaptor	
			
Part Number	Description	Cable Category	Notes
SMA-PIC-23550	SMA Male Straight Crimp Reverse Polarity	2.6/50S(SFF-50-1.5-1,RG-174/U,188A/U,316/U,LMR-100A)	A=2.8,B=1.6
SMA-PIC-24550		2.6/50D(RG-316DT, RD-316)	A=3.4,B=1.6
SMA-PIC-51550		5/50S(SFF-50-3-1,SYV-50-3,RG-58/U,141A/U,LMR-195,LMR200)	A=5.2,B=3.1
SMA-PIC-52550		5/50D(RG-55/U,142B/U,400/U)	A=5.7,B=3.1
			
Part Number	Description	Cable Category	Notes
SMA-PTC-23550	SMA Male R/A Crimp Reverse Polarity	2.6/50S(SFF-50-1.5-1,RG-174/U,188A/U,316/U,LMR-100A)	A=2.8,B=1.6
SMA-PTC-24550		2.6/50D(RG-316DT, RD-316)	A=3.4,B=1.6
SMA-PTC-51550		5/50S(SFF-50-3-1,SYV-50-3,RG-58/U,141A/U,LMR-195,LMR200)	A=5.2,B=3.1
SMA-PTC-52550		5/50D(RG-55/U,142B/U,400/U)	A=5.7,B=3.1
			

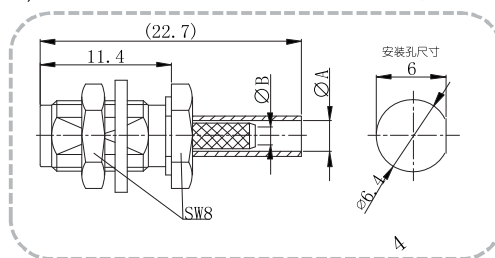
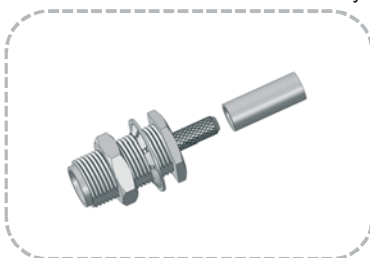


APMA

Part Number	Description	Cable Category	Notes
SMA-JIC-23550	SMA Female	2.6/50S(SFF-50-1.5-1, RG-174/U, 188A/U, 316/U, LMR-100A)	A=2.8, B=1.6
SMA-JIC-24550	Straight Crimp	2.6/50D(RG-316DT, RD-316)	A=3.4, B=1.6
SMA-JIC-51550	Reverse	5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)	A=5.2, B=3.1
SMA-JIC-52550	Polarity	5/50D(RG-55/U, 142B/U, 400/U)	A=5.7, B=3.1



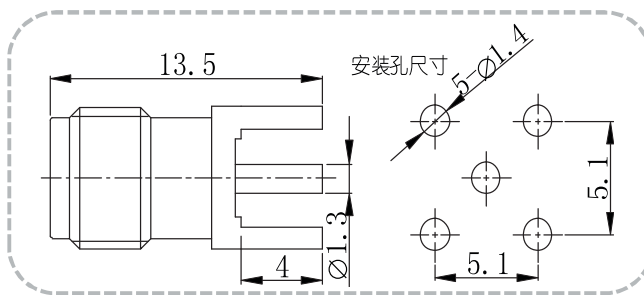
Part Number	Description	Cable Category	Notes
SMA-JKC-23550	SMA Female	2.6/50S(SFF-50-1.5-1, RG-174/U, 188A/U, 316/U, LMR-100A)	A=2.8, B=1.6
SMA-JKC-24550	Straight Bulkhead	2.6/50D(RG-316DT, RD-316)	A=3.4, B=1.6
SMA-JKC-51550	Crimp	5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)	A=5.2, B=3.1
SMA-JKC-52550	Reverse Polarity	5/50D(RG-55/U, 142B/U, 400/U)	A=5.7, B=3.1



Part Number	Description
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SMA-JIB-RP

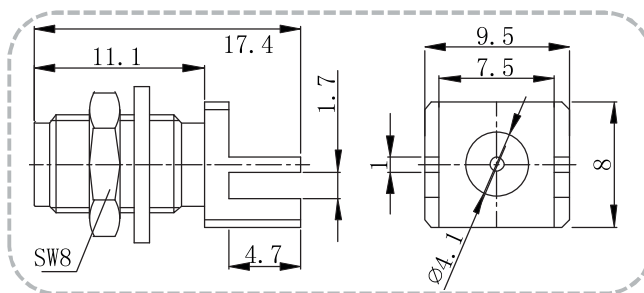
SMA Female Straight PCB Mount Reverse Polarity



Part Number	Description
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SMA-JKB-ER-RP

SMA Female Straight PCB Mount Reverse Polarity



Technical drawing of the 1000 series connector showing side and top views with dimensions.

Side View Dimensions:

- Overall length: 19.7
- Length to first pin: 16.5
- Length to last pin: 11.4
- Pin pitch: 1.25
- Pin diameter: $\varnothing 0.3$
- Pin length: 14.3
- Pin thickness: 3.9
- SW8 label

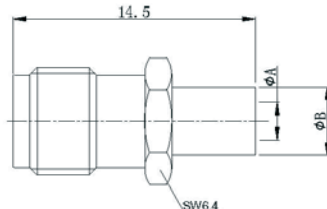
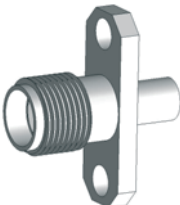
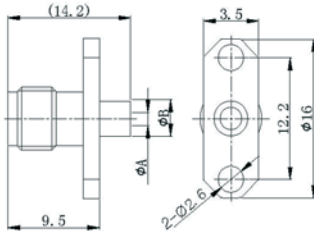
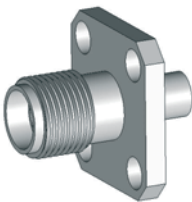
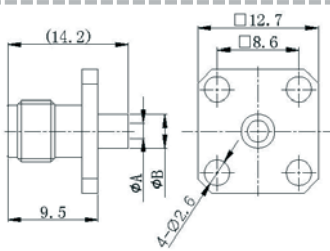
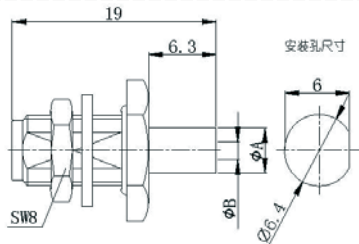
Top View Dimensions (安装孔尺寸):

- Overall width: 7.2
- Pin spacing: 6.1
- Pin diameter: $\varnothing 0.1$
- Pin length: 4.1
- Pin thickness: 3.2
- Pin spacing: 3
- Pin thickness: 2
- Pin thickness: 8

Technical drawing of a 10mm diameter hole in a 10mm thick plate. The drawing shows three views: front, top, and side. The front view shows a 10mm diameter hole with a 1.27mm wide slot. The top view shows a 6.35mm wide slot with a 4.09mm wide hole. The side view shows a 7.11mm wide slot with a 2.35mm wide hole. The drawing includes dimensions for the hole diameter (10mm), slot width (1.27mm), slot depth (6.35mm), and slot length (4.09mm). The text "5.7" is at the bottom right.



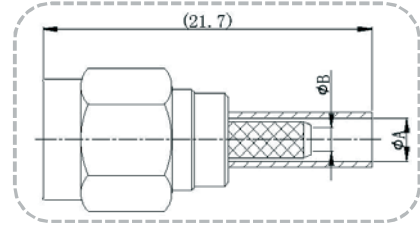
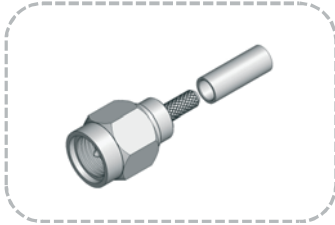
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Part Number	Description	Cable Category	Notes
SMA-JIS-001	SMA Straight Female Solder	085(SFT-50-2-1,SM86,RG-405/U)	A=2.2,B=4.0
SMA-JIS-002	For Semi-Rigid Cable	141(SFT-50-3-1,SM141,RG-402/U)	A=3.6,B=5.0
			
Part Number	Description	Cable Category	Notes
SMA-JOS-00101	SMA Female Straight Panel Mount 2 Holes	085(SFT-50-2-1,SM86,RG-405/U)	A=2.2,B=3.5
SMA-JOS-00201	Flange For Semi-Rigid Cable	141(SFT-50-3-1,SM141,RG-402/U)	A=3.6,B=5.0
			
Part Number	Description	Cable Category	Notes
SMA-JOS-00102	SMA Female Straight Panel Mount 4 Holes	085(SFT-50-2-1,SM86,RG-405/U)	A=2.2,B=3.5
SMA-JOS-00202	Flange For Semi-Rigid Cable	141(SFT-50-3-1,SM141,RG-402/U)	A=3.6,B=5.0
			
Part Number	Description	Cable Category	Notes
SMA-JKS-001	SMA Female Straight Bulkhead Panel Mount	085(SFT-50-2-1,SM86,RG-405/U)	A=4.0,B=2.2
SMA-JKS-002	For Semi-Rigid Cable	141(SFT-50-3-1,SM141,RG-402/U)	A=5.0,B=3.6
			

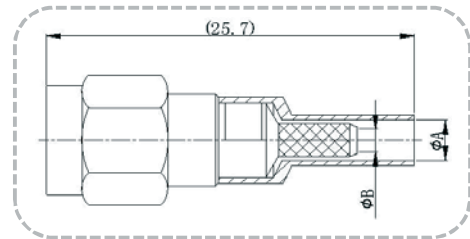
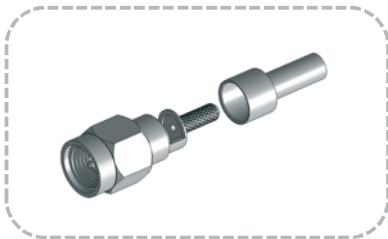


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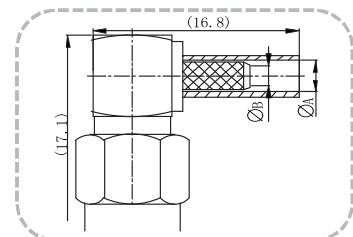
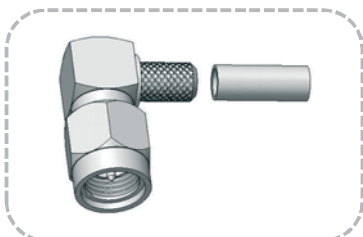
Part Number	Description	Cable Category	Notes
SMA-PIC-235	SMA Male Straight Crimp Type	2.6/50S(SFF-50-1.5-1, RG-174/U, 188A/U, 316/U, LMR-100A)	A=2.8, B=1.6
SMA-PIC-245		2.6/50D(RG-316DT, RD-316)	A=3.4, B=1.6
SMA-PIC-315		3/50S(SYV-50-2-1)	A=3.1, B=1.6
SMA-PIC-415		4/50S(SFF-50-2-1)	A=4.2, B=2.3
SMA-PIC-515		5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)	A=5.2, B=3.1
SMA-PIC-525		5/50D(RG-55/U, 142B/U, 400/U)	A=5.7, B=3.1



Part Number	Description	Cable Category	Notes
SMA-PIC-215	SMA Male Straight Crimp Type With Solder Window	2/50S(SFF-50-1, SYV-50-1, RG-178B/U, 196/U)	A=2.5, B=1.0
SMA-PIC-31501		3/50S(SYV-50-2-1)	A=3.1, B=1.6
SMA-PIC-41501		4/50S(SFF-50-2-1)	A=4.2, B=2.3
SMA-PIC-51501		5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)	A=5.2, B=3.1



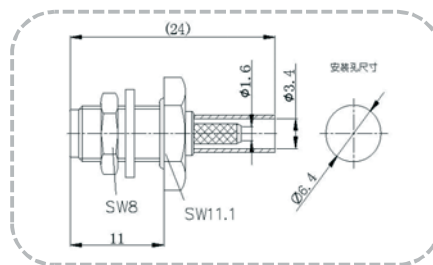
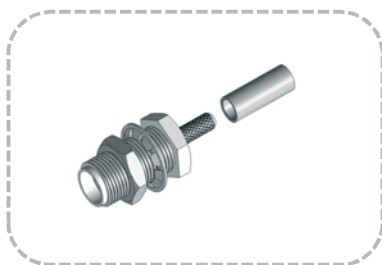
Part Number	Description	Cable Category	Notes
SMA-PTC-235	SMA Male R/A Crimp Type	2.6/50S(SFF-50-1.5-1, RG-174/U, 188A/U, 316/U, LMR-100A)	A=2.8, B=1.6
SMA-PTC-245		2.6/50D(RG-316DT, RD-316)	A=3.4, B=1.6
SMA-PTC-315		3/50S(SYV-50-2-1)	A=3.1, B=1.6
SMA-PTC-415		4/50S(SFF-50-2-1)	A=4.2, B=2.3
SMA-PTC-515		5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)	A=5.2, B=3.1
SMA-PTC-525		5/50D(RG-55/U, 142B/U, 400/U)	A=5.7, B=3.1



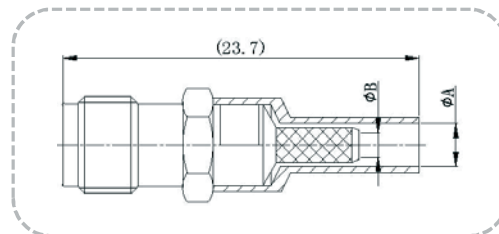
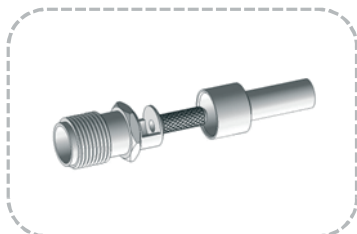


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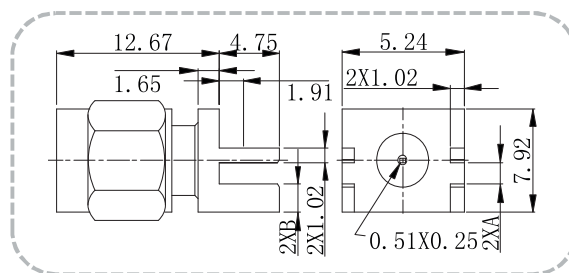
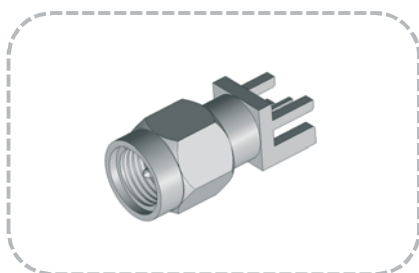
Part Number	Description	Cable Category	Notes
SMA-JKC-245	SMA Female Straight Bulkhead Crimp Type	2.6/50D(RG-316DT, RD-316)	



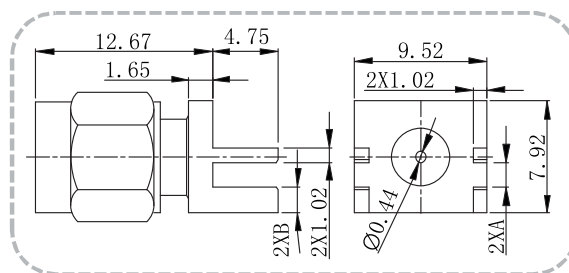
Part Number	Description	Cable Category
SMA-JIC-31502	SMA Female Straight Crimp	3/50S(SYV-50-2-1)
SMA-JIC-41502	SMA Female Straight Crimp Type With Solder Window	4/50S(SFF-50-2-1)
SMA-JIC-51502	SMA Female Straight Crimp Type With Solder Window	5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U, LMR-195, LMR200)



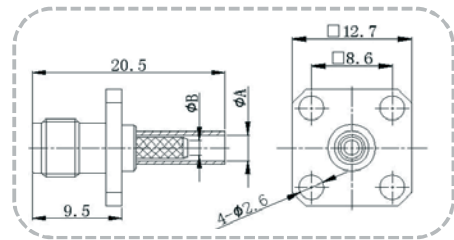
Part Number	Description	Cable Category
SMA-PIB-ET1	SMA Male End Launch Receptacle-Tab Contact	A=1.73, B=2.11
SMA-PIB-ET2	SMA Male End Launch Receptacle-Tab Contact	A=1.22, B=2.62



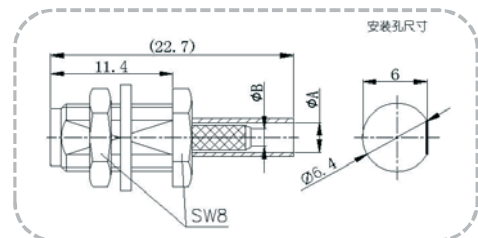
Part Number	Description	Cable Category
SMA-PIB-ER1	SMA Male End Launch Receptacle-Round Contact	A=1.73, B=1.85
SMA-PIB-ER2	SMA Male End Launch Receptacle-Round Contact	A=1.22, B=2.36



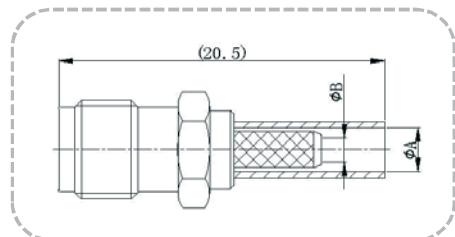
Part Number	Description	Cable Category	Notes
SMA-JOC-235		2.6/50S(SFF-50-1.5-1,RG-174/U,188A/U,316/U,LMR-100A)	A=2.8,B=1.6
SMA-JOC-245	SMA Female	2.6/50D(RG-316DT, RD-316)	A=3.4,B=1.6
SMA-JOC-315	Straight Panel Mount 4	3/50S(SYV-50-2-1)	A=3.1,B=1.6
SMA-JOC-415	Holes Flange Crimp Type	4/50S(SFF-50-2-1)	A=4.2,B=2.3
SMA-JOC-515		5/50S(SFF-50-3-1,SYV-50-3, RG-58/U,141A/U,LMR-195,LMR200)	A=5.2,B=3.1
SMA-JOC-525		5/50D(RG-55/U,142B/U,400/U)	A=5.7,B=3.1



Part Number	Description	Cable Category	Notes
SMA-JKC-235	SMA Female Straight Bulkhead Crimp Type	2.6/50S(SFF-50-1.5-1,RG-174/U,188A/U,316/U,LMR-100A)	A=2.8,B=1.6
SMA-JKC-315		3/50S(SYV-50-2-1)	A=3.1,B=1.6
SMA-JKC-415		4/50S(SFF-50-2-1)	A=4.2,B=2.3
SMA-JKC-515		5/50S(SFF-50-3-1, SYV-50-3, RG-58/U, 141A/U,LMR-195, LMR200)	A=5.2,B=3.1
SMA-JKC-525		5/50D(RG-55/U,142B/U,400/U)	A=5.7,B=3.1



Part Number	Description	Cable Category	Notes
SMA-JIC-23501	SMA Female Straight Crimp Type	2.6/50S(SFF-50-1.5-1,RG-174/U,188A/U,316/U,LMR-100A)	A=2.8,B=1.6
SMA-JIC-24501		2.6/50D(RG-316DT, RD-316)	A=3.1,B=1.6
SMA-JIC-31501		3/50S(SYV-50-2-1)	A=3.1,B=1.6
SMA-JIC-41501		4/50S(SFF-50-2-1)	A=4.2,B=2.3
SMA-JIC-51501		5/50S(SFF-50-3-1,SYV-50-3,RG-58/U,141A/U,LMR-195,LMR200)	A=5.2,B=3.1
SMA-JIC-52501		5/50D(RG-55/U,142B/U,400/U)	A=5.7,B=3.1



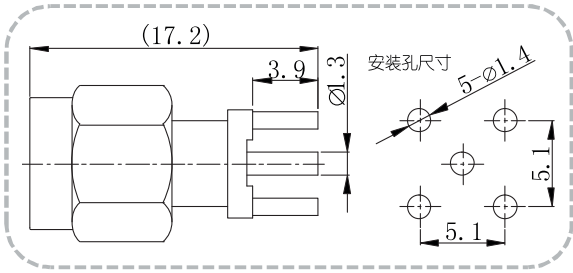
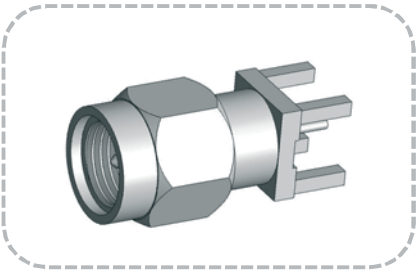


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Part Number	Description
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SMA-PIB

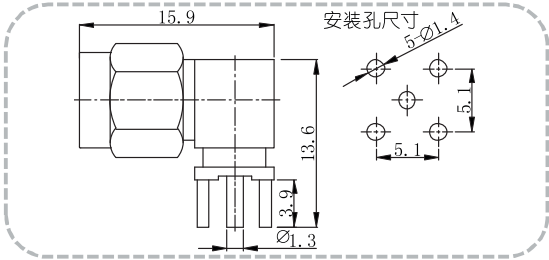
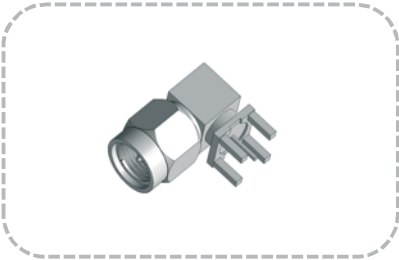
SMA Male Straight PCB Mount



Part Number	Description
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SMA-PTB

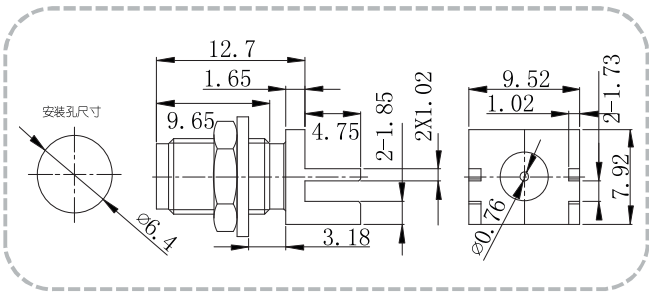
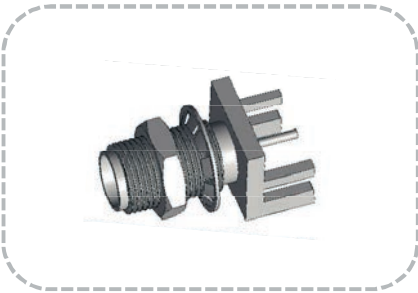
SMA Male R/A PCB Mount



Part Number	Description
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SMA-JKB-ER

SMA Female Bulkhead End Launch Receptacle-Round Contact



Part Number	Description
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SMA-JIM

SMA Female Straight SMT Connector

