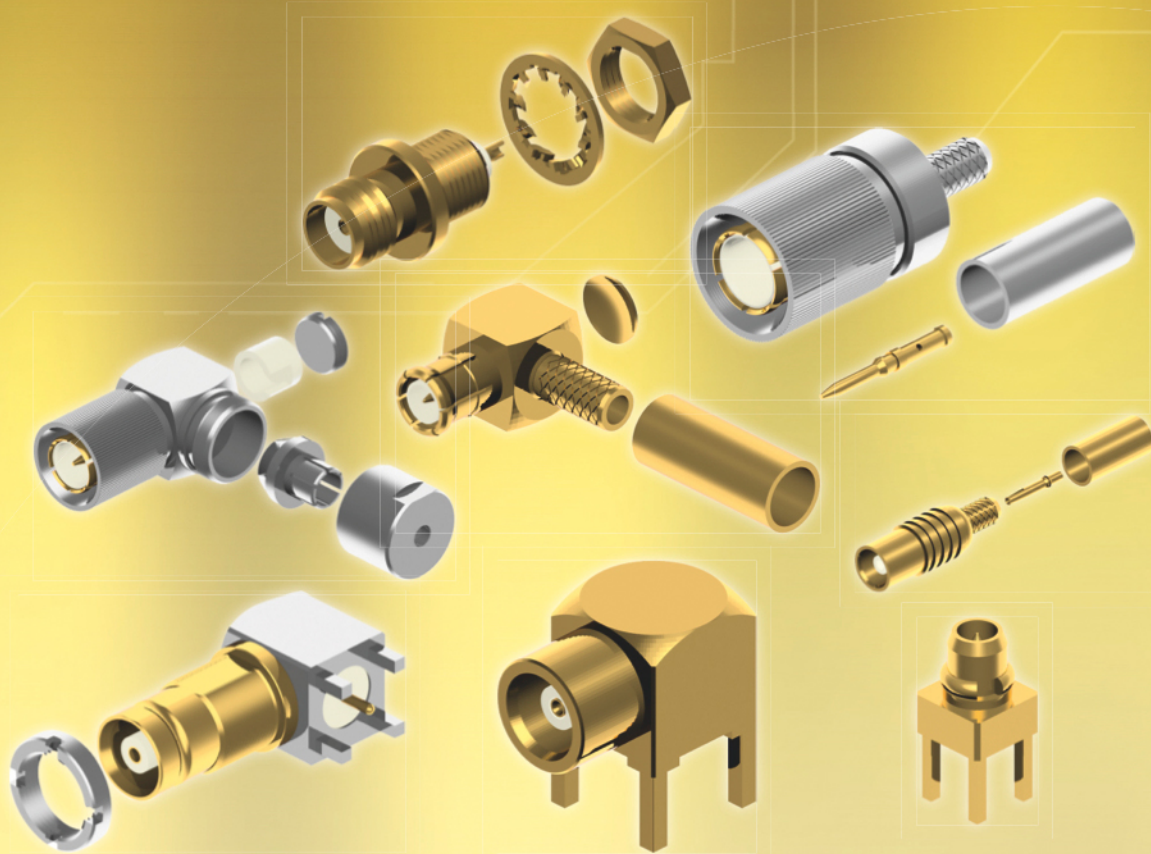




01

RF/COAX CONNECTORS

**E-TEC AG
SWITZERLAND**



**E-TEC INTERCONNECT
ASIA LTD**

The **E-tec** factory was founded in 1973 for the production of precision pins for the watch industry. As of the 1980's the company expanded it's business into manufacturing of precision pin connectors for the electronics industry (IC-Sockets, Board-to-Board Connectors, etc.)

In 1993 **E-tec** set-up it's own operations in Taiwan in order to enhance the product range with stamped pin products (PLCC, Pin headers, Female headers, D-Sub's, Switches, etc.). In 2001 **E-tec** transferred certain labor intensive productions to its new production plant in Mainland China.

With over 35 years experience in connector manufacturing, **E-tec** has set-up it's own sales network in Europe & Asia, as well as established distributors and representatives in most countries around the world.

E-tec offers flexibility for custom specific products and delivers standard and custom products starting from 0.30mm pitch upwards. We offer short delivery times from prototype to large volume productions. Thanks to our in-house product development department and production sites in Switzerland, Taiwan and Mainland China we aim to offer a solution to all your problems.

As a fully approved ISO 9001:2008 manufacturer, quality assurance is an essential part of our production process, since our main objective is to offer products which correspond to the highest quality standards.

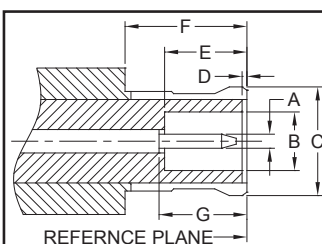
Part-Number	Type	Page
RFJ-16R-B1B792-N5	1.6/5.6 R/A THT JACK	11 & 12
RFJ-16R-C1B733-N5	1.6/5.6 R/A CRIMP JACK	11 & 12
RFJ-MCR-B1N592-58	MCX R/A THT JACK	1 & 2
RFJ-MCS-B1N592-58	MCX STRAIGHT THT JACK	1 & 2
RFJ-MCS-C1N502-58	MCX CRIMP JACK	1 & 2
RFJ-MMS-B1N592-58	MMCX STRAIGHT THT JACK	3 & 4
RFJ-MMS-B2L592-58	MMCX STRAIGHT SMT JACK	3 & 4
RFJ-MMS-C1N502-58	MMCX CRIMP JACK	3 & 4
RFJ-SAR-B1N592-58	SMA R/A THT JACK	5 & 6
RFJ-SAS-B3L592-58	SMA STRAIGHT END LAUNCH JACK	5 & 6
RFJ-SAS-C1N502-58	SMA CRIMP JACK	5 & 6
RFJ-SAS-P1A591-58	SMA PANEL JACK	5 & 6
RFJ-SBS-B1N592-58	SMB STRAIGHT THT JACK	9 & 10
RFJ-SBS-C1N502-58	SMB CRIMP JACK	9 & 10
RFJ-SBS-P1B591-58	SMB PANEL JACK	9 & 10
RFJ-SRR-B1N592-58	SMA Reverse R/A THT JACK	7 & 8
RFJ-SRS-B1N592-58	SMA Reverse STRAIGHT THT JACK	7 & 8
RFJ-SRS-C1N502-58	SMA Reverse CRIMP JACK	7 & 8
RFP-16R-C2N733-N5	1.6/5.6 R/A CLAMP PLUG	11 & 12
RFP-16S-C1N733-N5	1.6/5.6 CRIMP PLUG	11 & 12
RFP-MCR-C1N502-58	MCX R/A CRIMP PLUG	1 & 2
RFP-MCS-C1N502-58	MCX CRIMP PLUG	1 & 2
RFP-MMR-C1N502-58	MMXC R/A CRIMP PLUG	3 & 4
RFP-MMS-B1N592-58	MMXC STRAIGHT THT PLUG	3 & 4
RFP-SAS-C1N502-58	SMA CRIMP PLUG	5 & 6
RFP-SBR-B1N592-58	SMB R/A THT PLUG	9 & 10
RFP-SBS-C1N502-58	SMB CRIMP PLUG	9 & 10
RFP-SRR-C1N502-58	SMA Reverse R/A CRIMP PLUG	7 & 8
RFP-SRS-C1N502-58	SMA Reverse CRIMP PLUG	7 & 8

RF Connectors

MCX Series

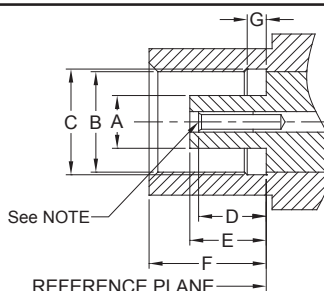


These MCX miniature snap-on connectors with 50Ω impedance operate in a frequency range up to 6 GHz. The MCX series is an ideal solution for GPS, wireless communications and test/measurement applications.



Dimension	PLUG Millimeters	
	Minimum	Maximum
A	0.48	0.53
B	2.00	2.07
C	3.66	3.76
D	0.00	0.30
E	2.81	3.20
F	4.16	--
G	2.81	3.20

PLUG



JACK

Dimension	JACK Millimeters	
	Minimum	Maximum
A	1.80	1.97
B	3.43	3.48
C	3.61	3.75
D	2.31	2.79
E	2.61	2.79
F	4.00	4.12
G	0.75	0.85

NOTE

In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.48/0.53mm dia. pin.

Electrical		
Impedance		50 Ω
Frequency Range		0 - 6 GHz
Working Voltage		335 V rms max.
Dielectric Withstanding Voltage		1000 V rms min.
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	5 mΩ max.
	Outer Contact	2.5 mΩ max.
Insulator Resistance		1000 MΩ min.

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626	Gold 0.75μm (30 μ")
	Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ")
Insulators	Teflon	None
Outer Contact of Plug	Beryllium copper per QQ-C-530	Gold 0.07μm (3 μ")
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")

NOTE: Other materials and platings are available on request.

Mechanical & Environmental	
Engagement torque	15 N max.
Disengagement torque	20 N max.
Contact Retention	18 N min.
Durability(Mating)	500 cycles min. (for Beryllium copper female contact only)
Temperature Range	-65°C to +155°C
Vibration	3 cycles, 3 opposite directions, 10-150 Hz, 10-60 Hz:0.75mm/.03", 60-150 Hz 10G
Temperature Shock	MIL-STD-202 Method 107
Humidity	MIL-STD-202 Method 103, Condition. B.
Mechanical Shock	MIL-STD-202 Method 213, Condition. B.

How to order

RF X - MC X - XX X 5 xx - 58

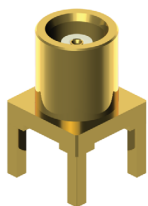
Gender	Orientation	Mounting Type / Adaptor Type	Detail	Cable Group / Receptacle Type
P = Plug J = Jack	R = Right Angle S = Straight	B1 = THT Board Mount C1 = Crimp Cable other types on request	N = Not defined others on request	Code allocated by E-tec

RF Connectors

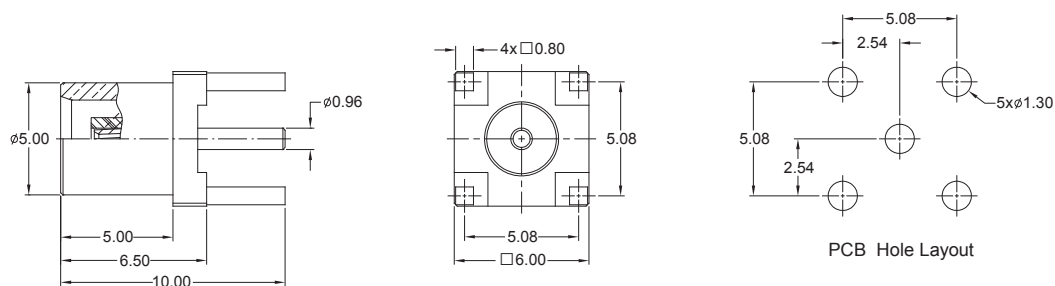
MCX Series



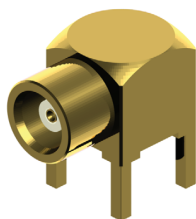
STRAIGHT THT JACK



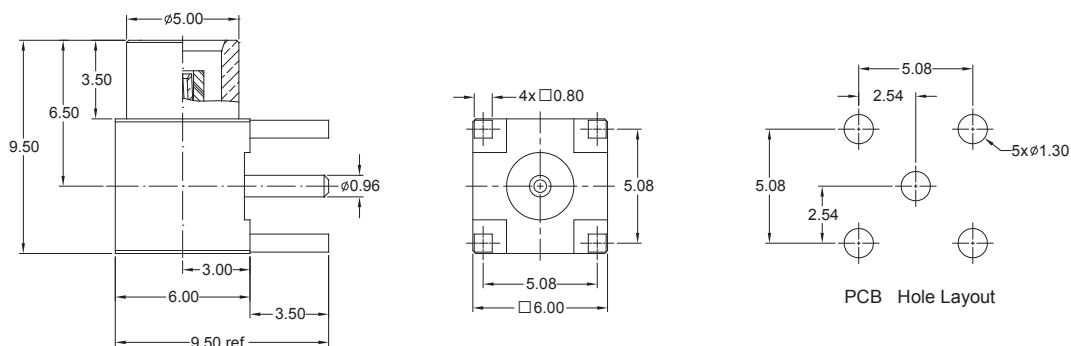
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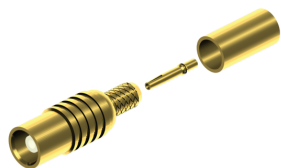
R/A THT JACK



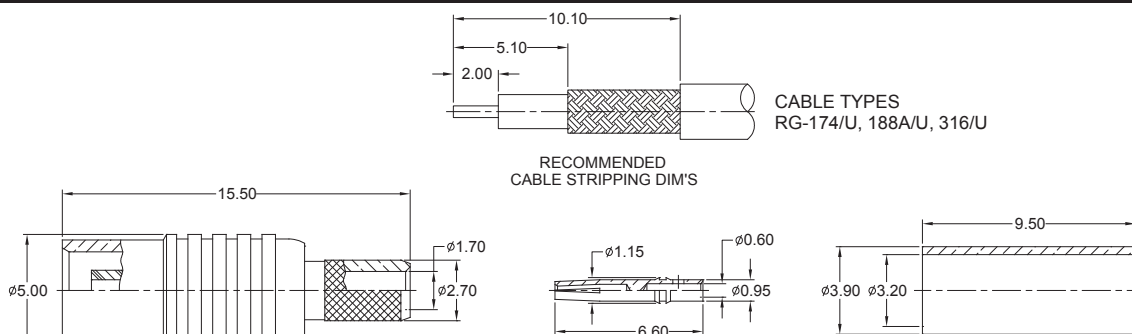
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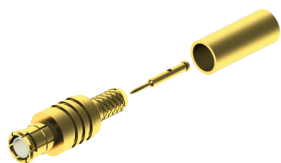
CRIMP JACK



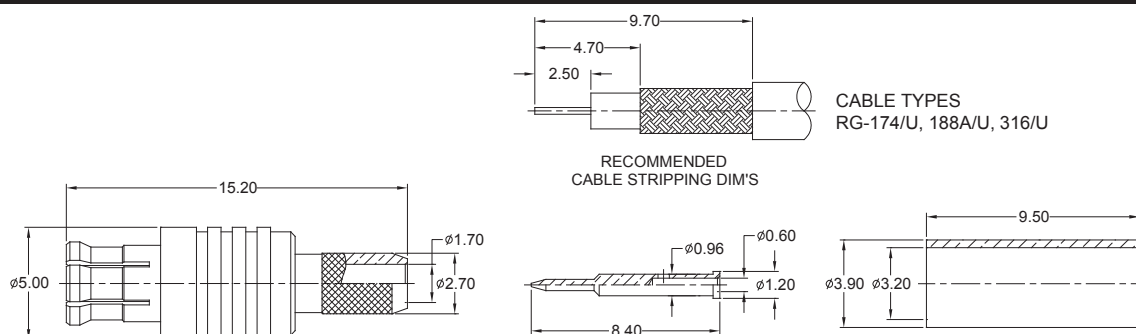
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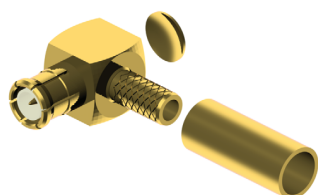
CRIMP PLUG



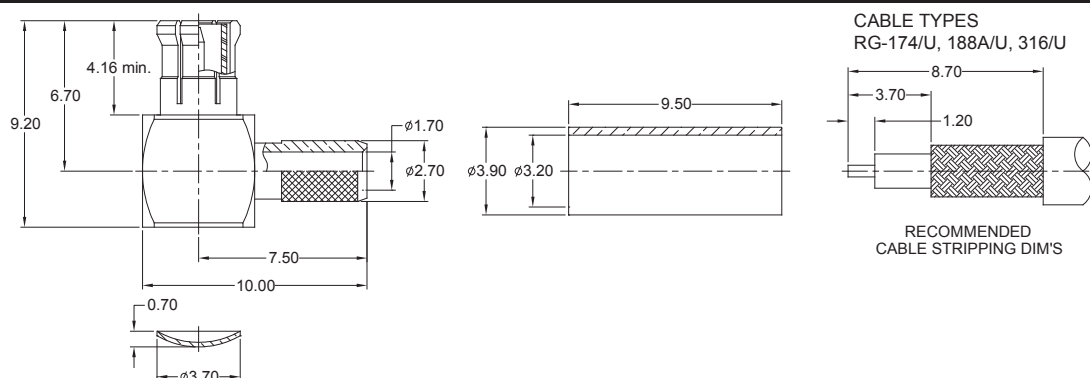
Order Code
RFP-MCS-C1N502-58



R/A CRIMP PLUG



Order Code
RFP-MCR-C1N502-58



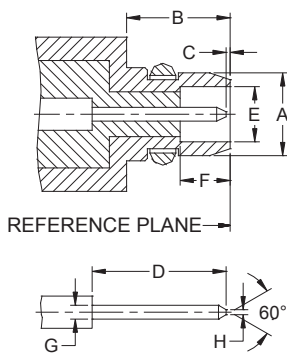
Other MCX types available on request

RF Connectors

MMCX Series

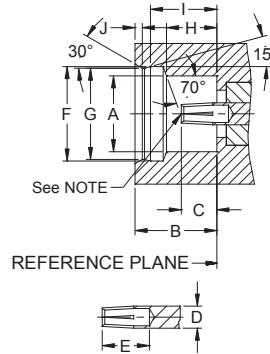


MMCX series with 50Ω impedance offer the smallest dimensions for high density applications. The MMCX connectors work a frequency range up to 6 GHz and they can be offered in thru-hole and surface mount technology for flexible and semi-rigid coaxial cable interconnection systems.



PLUG

Dimension	PLUG Millimeters	
	Minimum	Maximum
A	--	2.40
B	2.70	--
C	0.00	0.25
D	--	3.15
E	1.58	1.62
F	1.45	--
G	0.38	0.42
H	--	0.20



JACK

Dimension	JACK Millimeters	
	Minimum	Maximum
A	2.41	--
B	2.60	--
C	0.90	1.20
D	0.68	0.72
E	1.40	--
F	3.00	3.04
G	2.87	2.90
H	1.57	1.63
I	2.30	2.34
J	--	0.23

NOTE

In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.38/0.42mm dia. pin.

Electrical

Impedance	50 Ω
Frequency Range	0 - 6 GHz
Working Voltage	170 V rms max.
Dielectric Withstanding Voltage	500 V rms min.
VSWR	Straight 1.3 max. Right Angle 1.5 max.
Contact Resistance	Center Contact 5 mΩ max. Outer Contact 2.5 mΩ max.
Insulator Resistance	1000 MΩ min.

Material

Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626 Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ") Gold 0.75μm (30 μ")
Insulators	Teflon	None
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")

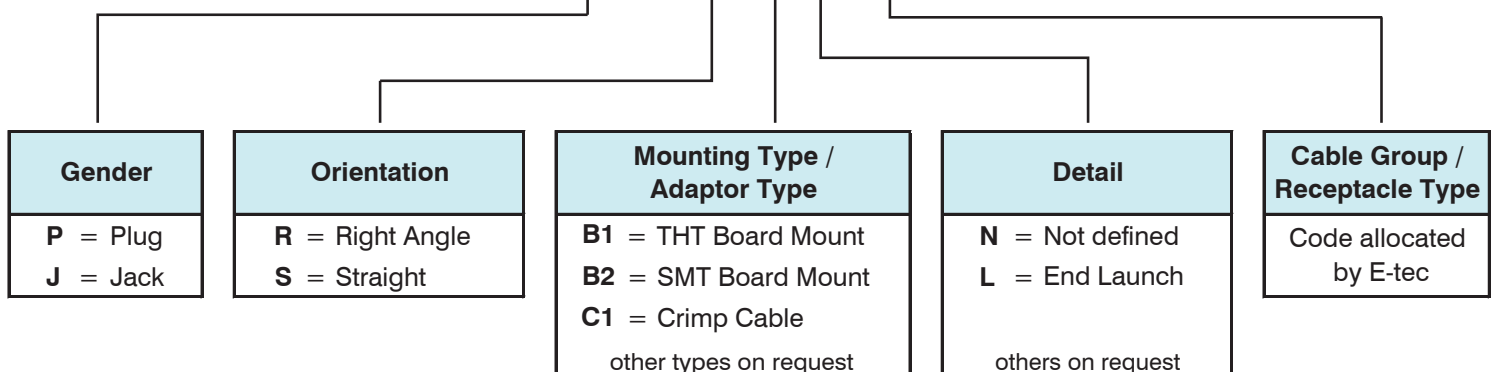
NOTE: Other materials and platings are available on request.

Mechanical & Environmental

Engagement Force	15 N max.
Disengagement Force	6~15 N max.
Contact Retention	11 N min.
Durability(Mating)	500 cycles min.
Temperature Range	-65°C to +155°C
Vibration	3 cycle, 3 opposite directions, 10-150 Hz, 10-60 Hz:0.75mm/.03", 60-150 Hz 10G
Temperature Shock	MIL-STD-202 Method 107
Humidity	MIL-STD-202 Method 103, Condition. B.
Mechanical Shock	MIL-STD-202 Method 213, Condition. B.

How to order

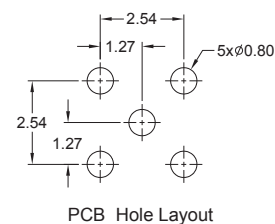
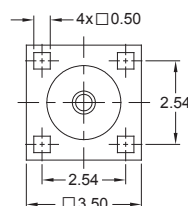
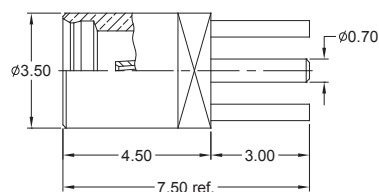
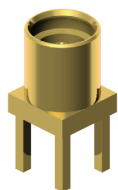
RF X - MM X - XX X 5 xx - 58



RF Connectors MMCX Series

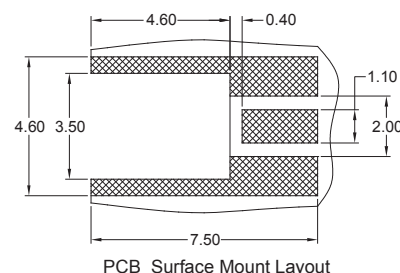
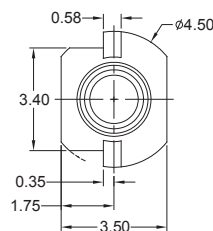
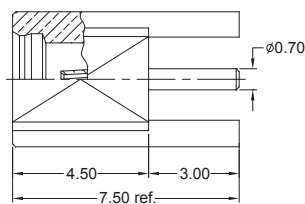
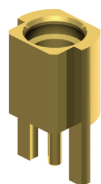


STRAIGHT THT JACK



Order Code
RFJ-MMS-B1N592-58

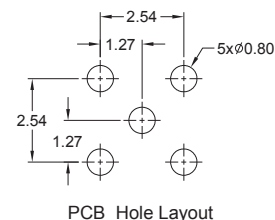
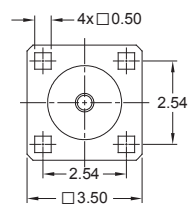
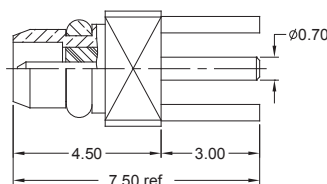
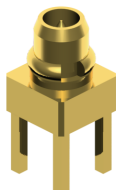
STRAIGHT SMT JACK



Order Code
RFJ-MMS-B2L592-58

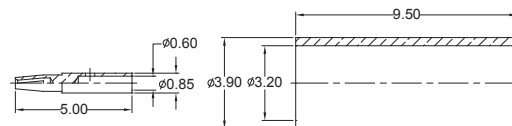
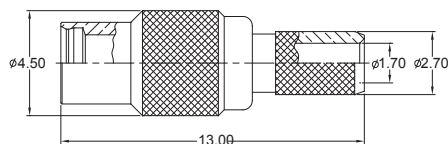
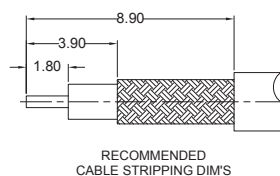
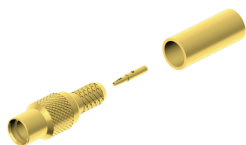
□ PATTERN
▨ LAND(FREE OF SOLDER MASK)

STRAIGHT THT PLUG



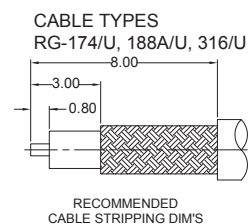
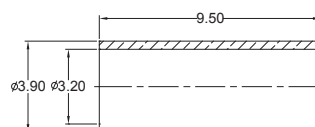
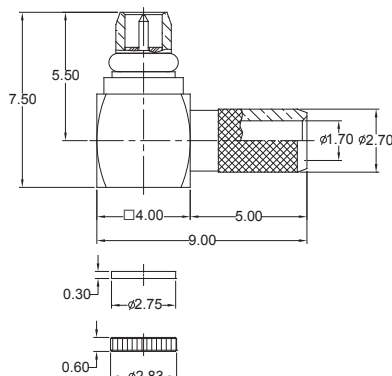
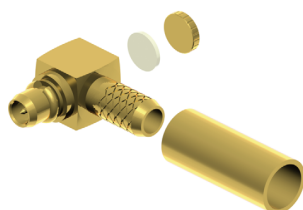
Order Code
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CRIMP JACK



Order Code
RFJ-MMS-C1N502-58

R/A CRIMP PLUG



Order Code
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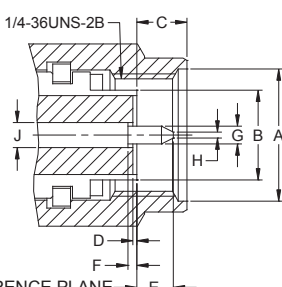
Other MMCX types available on request

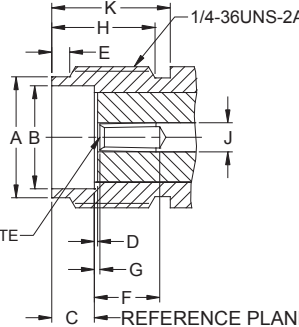
RF Connectors

SMA Series



SMA connectors with 50Ω impedance are high precision subminiature devices designed for microwave applications up to 18 GHz. These connectors are produced with brass or high quality stainless steel, which offer excellent durability and mechanical strength.

	<table><tr><th rowspan="2">Dimension</th><th colspan="2">Millimeters</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td>A</td><td>6.35</td><td>6.73</td></tr><tr><td>B</td><td>4.53</td><td>4.59</td></tr><tr><td>C</td><td>2.54</td><td>3.43</td></tr><tr><td>D</td><td>0.00</td><td>0.25</td></tr><tr><td>E</td><td>1.91</td><td>2.54</td></tr><tr><td>F</td><td>0.00</td><td>0.25</td></tr><tr><td>G</td><td>0.90</td><td>0.94</td></tr><tr><td>H</td><td>0.00</td><td>0.38</td></tr><tr><td>J</td><td>1.24</td><td>1.30</td></tr></table>	Dimension	Millimeters		Minimum	Maximum	A	6.35	6.73	B	4.53	4.59	C	2.54	3.43	D	0.00	0.25	E	1.91	2.54	F	0.00	0.25	G	0.90	0.94	H	0.00	0.38	J	1.24	1.30
Dimension	Millimeters																																
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PLUG																																	

	<table><tr><th rowspan="2">Dimension</th><th colspan="2">Millimeters</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td>A</td><td>5.28</td><td>5.49</td></tr><tr><td>B</td><td>4.60</td><td>4.67</td></tr><tr><td>C</td><td>1.88</td><td>1.98</td></tr><tr><td>D</td><td>0.00</td><td>0.25</td></tr><tr><td>E</td><td>0.38</td><td>1.14</td></tr><tr><td>F</td><td>2.92</td><td>--</td></tr><tr><td>G</td><td>0.00</td><td>0.25</td></tr><tr><td>H</td><td>4.32</td><td>--</td></tr><tr><td>J</td><td>1.24</td><td>1.30</td></tr><tr><td>K</td><td>5.54</td><td>--</td></tr></table>	Dimension	Millimeters		Minimum	Maximum	A	5.28	5.49	B	4.60	4.67	C	1.88	1.98	D	0.00	0.25	E	0.38	1.14	F	2.92	--	G	0.00	0.25	H	4.32	--	J	1.24	1.30	K	5.54	--
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H	4.32	--																																		
J	1.24	1.30																																		
K	5.54	--																																		
JACK																																				

NOTE
In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.9/0.94mm dia. pin.

Electrical		
Impedance	50 Ω	
Frequency Range	0 - 12.4 GHz on Flexible cable 0 - 18 GHz on Semi-rigid cable	
Working Voltage	RG-178: 170 V rms max. RG-316, .085": 250 V rms max. RG-142, .141": 335 V rms max. RG-178: 500 V rms min. RG-316 .085": 750 V rms min. RG-142 .141": 1000 V rms min.	
Dielectric Withstanding Voltage	1.3 max.	
	1.5 max.	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	6 mΩ max.
	Outer Contact	2 mΩ max.
Insulator Resistance	5000 MΩ min.	

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626	Gold 0.75μm (30 μ")
	Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ")
Insulators	Teflon	None
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")
Crimp Gaskets	Silicone rubber	None

NOTE: Other materials and platings are available on request.

Mechanical & Environmental	
Engagement Force	22 cNm max.
Disengagement Force	22 cNm max.
Coupling Nut Retention	267 N min.
Coupling Proof Torque	170 cNm min.
Contact Retention	27 N min.
Durability(Mating)	500 cycles min. (for Beryllium copper female contact only)
Temperature Range	-65°C to +155°C
Vibration	MIL-STD-202 Method 204 Test Cond. B.
Salt Spray	MIL-STD-202 Method 101 Test Cond. B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond. B.

How to order

RF X - SA X - XX X 5 xx - 58

5

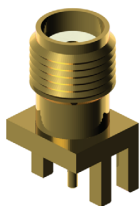
Gender	Orientation	Mounting Type / Adaptor Type	Detail	Cable Group / Receptacle Type
P = Plug J = Jack	R = Right Angle S = Straight	B1 = THT Board Mount B3 = END Launch Board Mount C1 = Crimp Cable P1 = Panel Board Mount other types on request	N = Not defined L = End Launch A = Bulkhead, Front Mount others on request	Code allocated by E-tec

RF Connectors

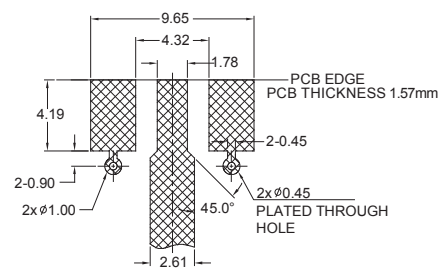
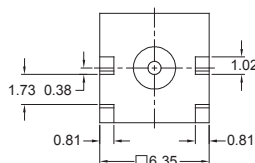
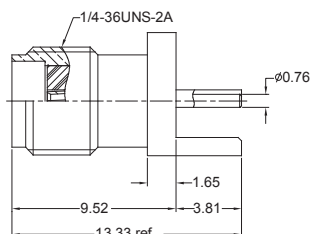
SMA Series



STRAIGHT END LAUNCH JACK

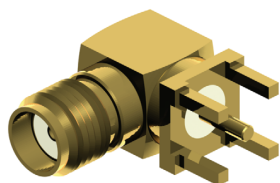


Order Code
RFJ-SAS-B3L592-58

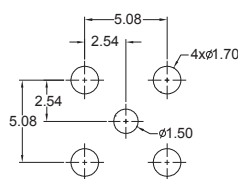
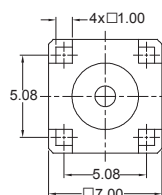
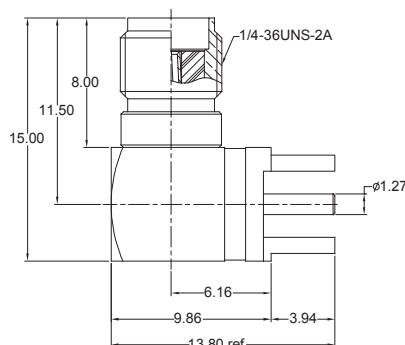


PCB surface Mount Layout

R/A THT JACK

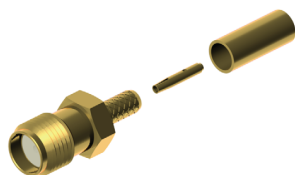


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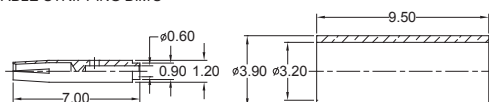
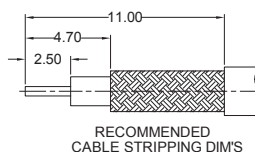
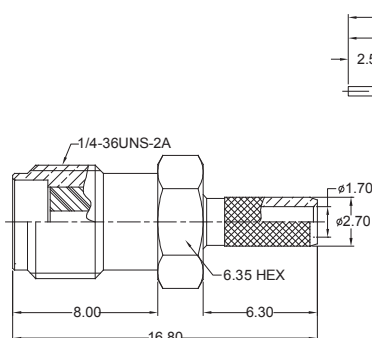


PCB Hole Layout

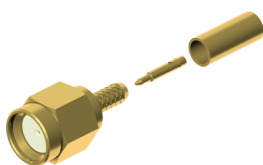
CRIMP JACK



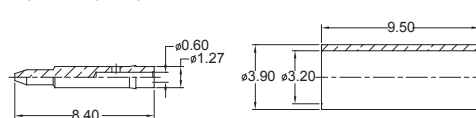
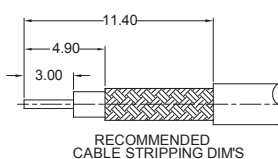
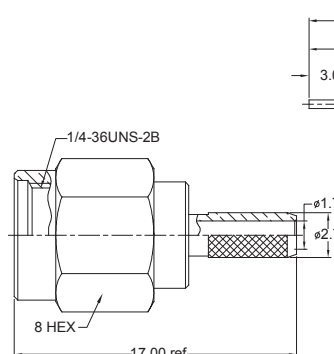
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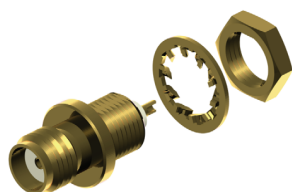
CRIMP PLUG



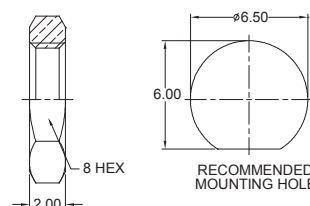
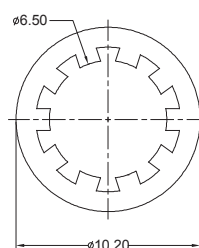
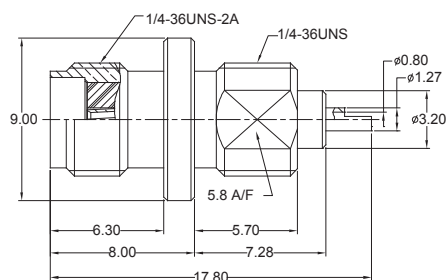
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PANEL JACK



Order Code
RFJ-SAS-P1A591-58



RECOMMENDED MOUNTING HOLE

Other SMA types available on request

RF Connectors

SMA Reverse Series



SMA Reverse connectors with 50Ω impedance are designed for using in spread spectrum wireless applications which a non-standard interface is needed.

	<table><tr><th rowspan="2">Dimension</th><th colspan="2">PLUG</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td>A</td><td>2.54</td><td>3.43</td></tr><tr><td>B</td><td>1.24</td><td>1.30</td></tr><tr><td>C</td><td>4.53</td><td>4.59</td></tr><tr><td>D</td><td>6.35</td><td>6.73</td></tr><tr><td>E</td><td>0.00</td><td>0.25</td></tr><tr><td>F</td><td>0.00</td><td>0.25</td></tr><tr><td>G</td><td>2.92</td><td>--</td></tr></table>	Dimension	PLUG		Minimum	Maximum	A	2.54	3.43	B	1.24	1.30	C	4.53	4.59	D	6.35	6.73	E	0.00	0.25	F	0.00	0.25	G	2.92	--
Dimension	PLUG																										
	Minimum	Maximum																									
A	2.54	3.43																									
B	1.24	1.30																									
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D	6.35	6.73																									
E	0.00	0.25																									
F	0.00	0.25																									
G	2.92	--																									
PLUG NOTE In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.9/0.94mm dia. pin.																											

	<table><tr><th rowspan="2">Dimension</th><th colspan="2">JACK</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td>A</td><td>5.54</td><td>--</td></tr><tr><td>B</td><td>4.32</td><td>--</td></tr><tr><td>C</td><td>0.38</td><td>1.14</td></tr><tr><td>D</td><td>5.28</td><td>5.49</td></tr><tr><td>E</td><td>4.60</td><td>4.67</td></tr><tr><td>F</td><td>0.90</td><td>0.94</td></tr><tr><td>G</td><td>0.00</td><td>0.38</td></tr><tr><td>H</td><td>1.24</td><td>1.30</td></tr><tr><td>J</td><td>0.00</td><td>0.25</td></tr><tr><td>K</td><td>0.00</td><td>0.25</td></tr><tr><td>L</td><td>1.88</td><td>1.98</td></tr></table>	Dimension	JACK		Minimum	Maximum	A	5.54	--	B	4.32	--	C	0.38	1.14	D	5.28	5.49	E	4.60	4.67	F	0.90	0.94	G	0.00	0.38	H	1.24	1.30	J	0.00	0.25	K	0.00	0.25	L	1.88	1.98
Dimension	JACK																																						
	Minimum	Maximum																																					
A	5.54	--																																					
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J	0.00	0.25																																					
K	0.00	0.25																																					
L	1.88	1.98																																					
JACK																																							

Electrical		
Impedance	50 Ω	
Frequency Range	0 - 12.4 GHz on Flexible cable 0 - 18 GHz on Semi-rigid cable	
Working Voltage	RG-178: 170 V rms max. RG-316, .085": 250 V rms max. RG-142, .141": 335 V rms max.	
Dielectric Withstanding Voltage	RG-178: 500 V rms min. RG-316 .085": 750 V rms min. RG-142 .141": 1000 V rms min.	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	6 mΩ max.
	Outer Contact	2 mΩ max.
Insulator Resistance	5000 MΩ min.	

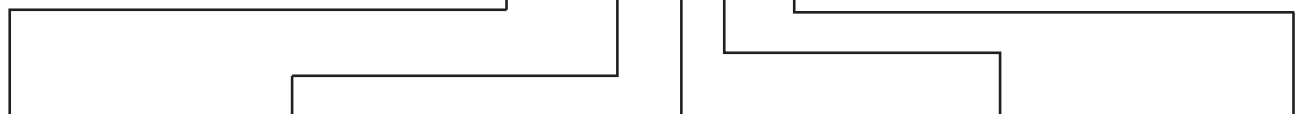
Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626	Gold 0.75μm (30 μ")
	Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ")
Insulators	Teflon	None
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")
Crimp Gaskets	Silicone rubber	None

NOTE: Other materials and platings are available on request.

Mechanical & Environmental	
Engagement Force	22 cNm max.
Disengagement Force	22 cNm max.
Coupling Nut Retention	678 cNm min.
Coupling Proof Torque	170 cNm min.
Contact Retention	68 cNm min.
Durability(Mating)	500 cycles min.
Temperature Range	-65°C to +155°C
Vibration	MIL-STD-202 Method 204 Test Cond. B.
Salt Spray	MIL-STD-202 Method 101 Test Cond. B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond. B.

How to order

RF X - SR X - XX X 5 xx - 58

				
Gender	Orientation	Mounting Type / Adaptor Type	Detail	Cable Group / Receptacle Type
P = Plug J = Jack	R = Right Angle S = Straight	B1 = THT Board Mount C1 = Crimp Cable other types on request	N = Not defined others on request	Code allocated by E-tec

RF Connectors

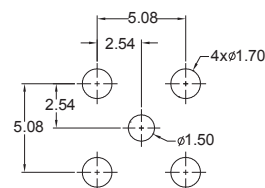
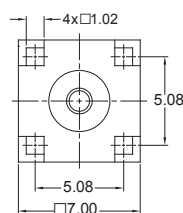
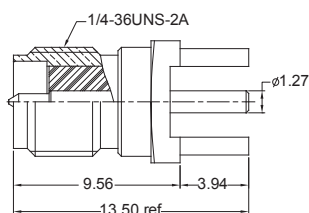
SMA Reverse Series



STRAIGHT THT JACK

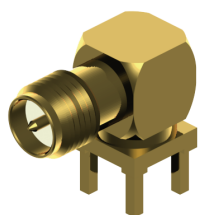


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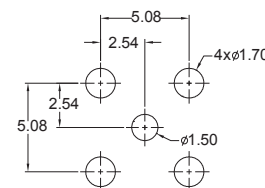
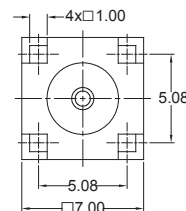
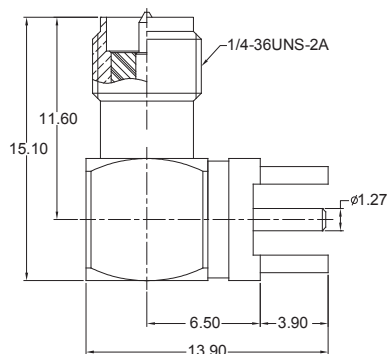


PCB Hole Layout

R/A THT JACK

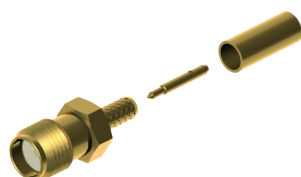


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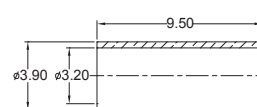
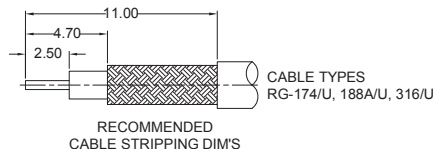
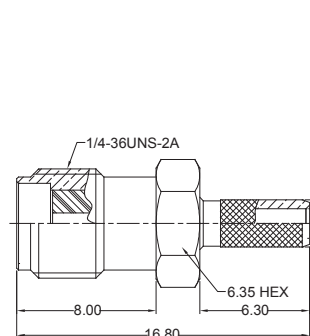


PCB Hole Layout

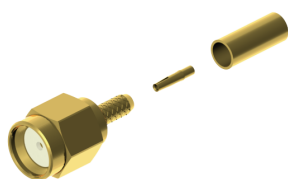
CRIMP JACK



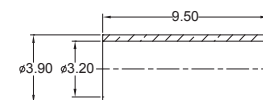
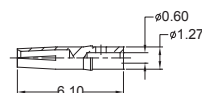
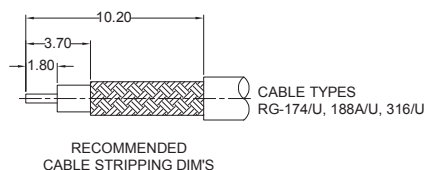
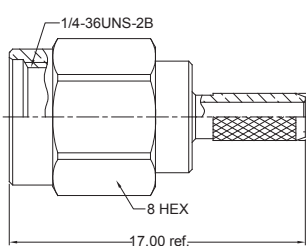
Order Code
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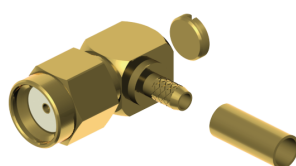
CRIMP PLUG



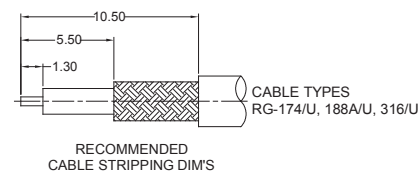
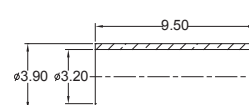
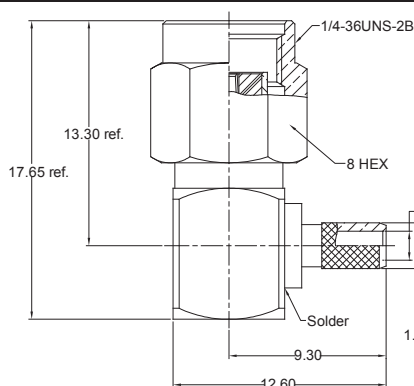
Order Code
RFP-SRS-C1N502-58



R/A CRIMP PLUG



Order Code
RFP-SRR-C1N502-58



Other SMA Reverse types available on request

RF Connectors

SMB Series



SMB connectors with 50Ω impedance are subminiature devices designed for repeatable electrical performance up to 4 GHz. These SMB connectors offer a simple open/close snap-on coupling feature and which have become very popular in telecommunications, test equipments and instrumentation.

PLUG

Dimension	Millimeters	
	Minimum	Maximum
A	2.00	2.06
B	--	1.62
C	0.18	--
D	0.18	0.94
E	2.97	--
F	3.58	--
G	3.58	--

Must meet the force to engage and disengage when mated with mating part.

See NOTE

NOTE
In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.48/0.53mm dia. pin.

JACK

Dimension	Millimeters	
	Minimum	Maximum
A	--	0.25
B	2.08	2.16
C	3.66	3.71
D	0.48	0.53
E	0.00	--
F	1.32	--
G	3.33	3.58
H	2.03	--
I	--	2.97
J	--	0.18
K	--	0.18
L	0.69	0.94

Electrical		
Impedance	50 Ω	
Frequency Range	0 - 4 GHz	
Working Voltage	RG-178: 250 V rms max. RG-316, .085": 335 V rms max.	
Dielectric Withstanding Voltage	RG-178: 500 V rms min. RG-316 .085": 1000 V rms min.	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	6 mΩ max.
	Outer Contact	2.5 mΩ max.
Insulator Resistance	1000 MΩ min.	

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626 Female: Beryllium copper per QQ-C-530	Gold 0.75μm (30 μ") Gold 0.75μm (30 μ")
Insulators	Teflon	None
Crimp Ferrules	Annealed Brass	Gold 0.07μm (3 μ")

NOTE: Other materials and platings are available on request.

Mechanical & Environmental	
Engagement / Disengagement Force	62 N max.
Contact Retention	18 N min.
Durability(Mating)	500 cycles min.
Temperature Range	-65°C to +155°C
Vibration	MIL-STD-202 Method 204 Test Cond. B.
Salt Spray	MIL-STD-202 Method 101 Test Cond. B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond. B.

How to order

RF X - SB X - XX X 5 xx - 58

Gender

P = Plug
J = Jack

Orientation

R = Right Angle
S = Straight

Mounting Type / Adaptor Type

B1 = THT Board Mount
C1 = Crimp Cable
P1 = Panel Board Mount
other types on request

Detail

N = Not defined
B = Bulkhead, Rear Mount
others on request

Cable Group / Receptacle Type

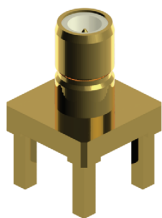
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RF Connectors

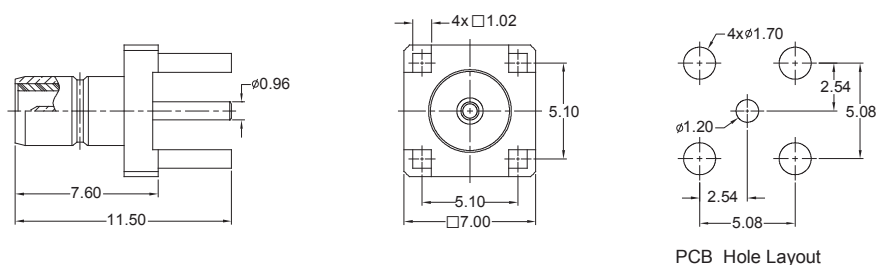
SMB Series



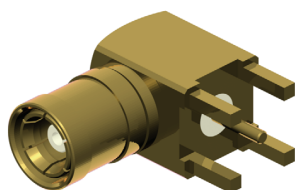
STRAIGHT THT JACK



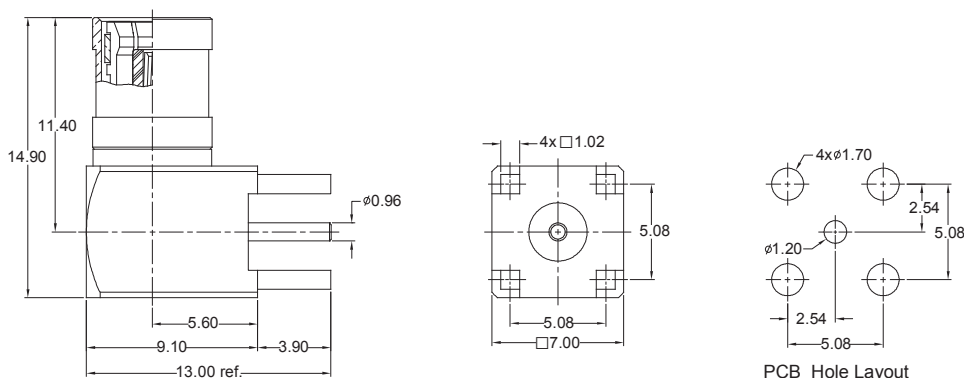
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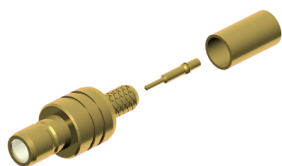
R/A THT PLUG



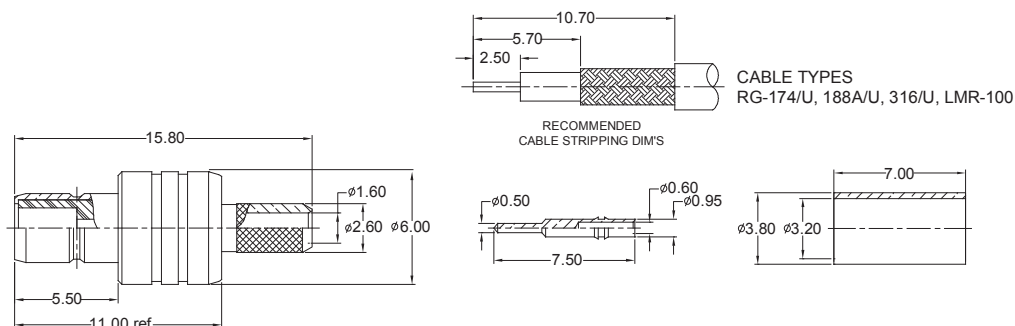
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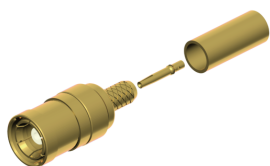
CRIMP JACK



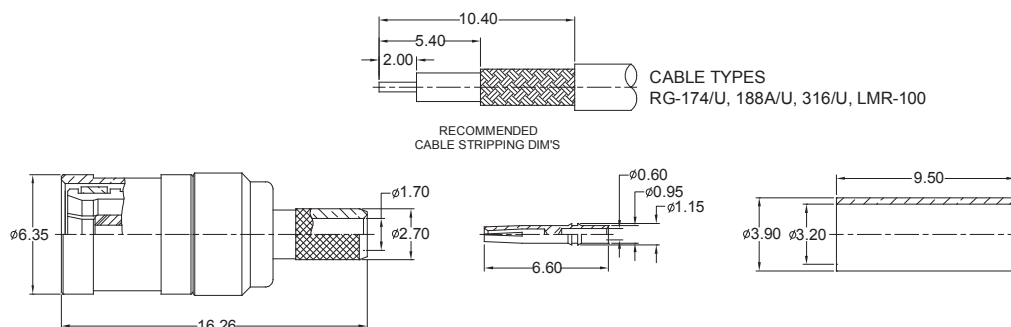
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CRIMP PLUG



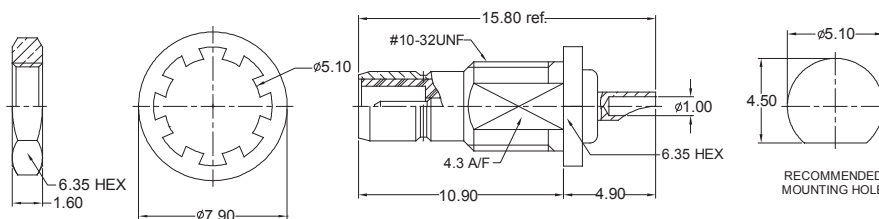
Order Code
RFP-SBS-C1N502-58



PANEL JACK



Order Code
RFJ-SBS-P1B591-58



Other SMB types available on request

RF Connectors

1.6/5.6 Series



1.6/5.6 coaxial connectors with 75Ω impedance are generally designed for radio and digital signal transmissions. These 1.6/5.6 connectors have become popular in modern telecommunication equipments.

Dimension	PLUG Millimeters	
	Minimum	Maximum
A	4.00	--
B	--	0.15
C	0.97	1.03
D	3.90	4.30
E	--	5.50
F	Flared To Meet Good Electrical Contact	
G	6.40	6.60
H	5.60	

Dimension	JACK Millimeters	
	Minimum	Maximum
A	--	3.80
B	M9*0.5	
C	0.25	--
D	9.70	--
F	0.90	1.10
G	6.60	6.69
H	8.10	8.25
K	6.70	--
M	7.00	7.50

NOTE
In order to meet the VSWR and CR values as specified, the inner hole diameter needs to be mated with a 0.97/1.03mm dia. pin.

Electrical		
Impedance	75 Ω	
Frequency Range	0 - 1 GHz	
Working Voltage	335 V rms max.	
Dielectric Withstanding Voltage	1000 V rms min.	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact Resistance	Center Contact	4 mΩ max.
	Outer Contact	2 mΩ max.
Insulator Resistance	1000 MΩ min.	

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel 1.75μm (70 μ")
Outer Contact(Plug)	Phosphor Bronze per QQ-B-750	Gold 0.07μm (3 μ")
Center Contacts	Male: Brass per QQ-B-626	Gold 0.07μm (3 μ")
	Female: Beryllium copper per QQ-C-530	Gold 0.07μm (3 μ")
Insulators	Teflon	None
Crimp Ferrules	Annealed Brass	Nickel 1.75μm (70 μ")

NOTE: Other materials and platings are available on request.

Mechanical	
Engagement / Disengagement Force	27 N max.
Durability(Mating)	500 cycles min. (for Beryllium copper female contact only)

How to order

RF X - 16 X - XX X 7 xx - N5

Gender
P = Plug
J = Jack

Orientation
R = Right Angle
S = Straight

Mounting Type / Adaptor Type
B1 = THT Board Mount
C1 = Crimp Cable
C2 = Clamp Cable
other types on request

Detail
N = Not defined
B = Bulkhead, Rear Mount
others on request

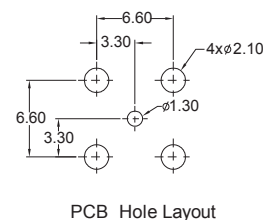
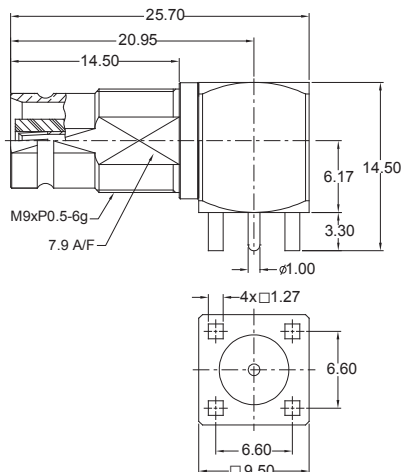
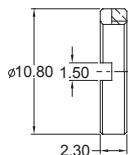
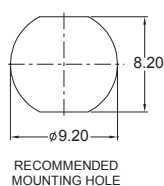
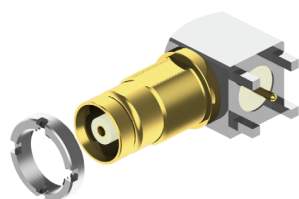
Cable Group / Receptacle Type
Code allocated by E-tec

RF Connectors

1.6/5.6 Series

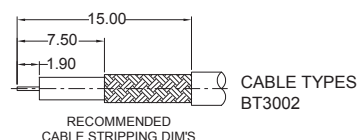
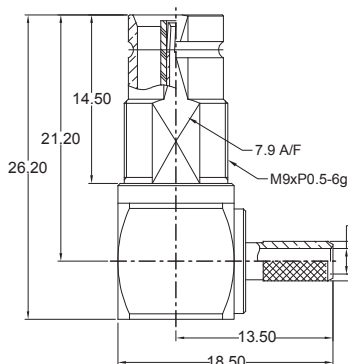
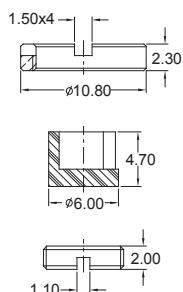
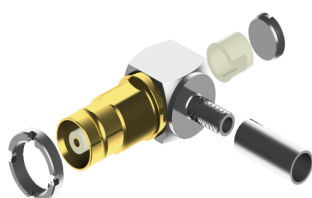


R/A THT JACK

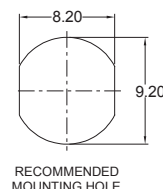


Order Code
RFJ-16R-B1B792-N5

R/A CRIMP JACK

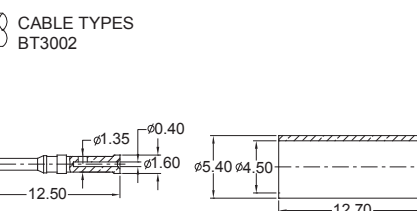
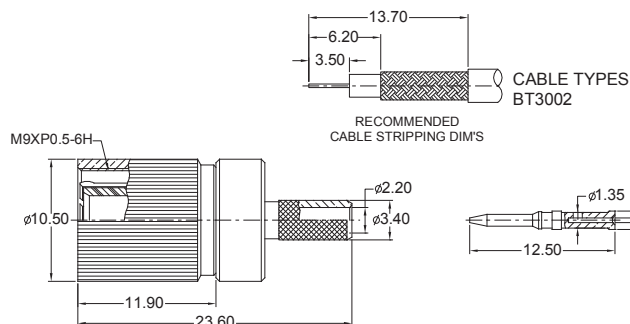


CABLE TYPES
BT3002



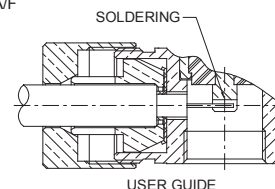
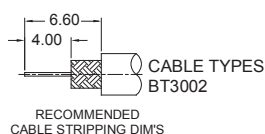
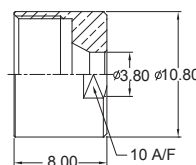
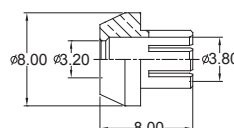
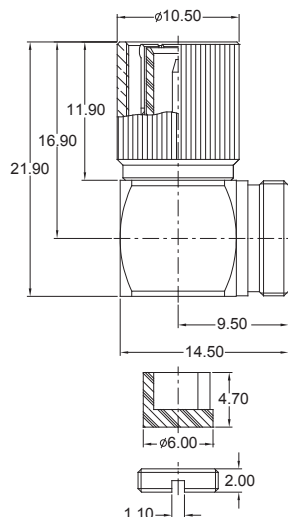
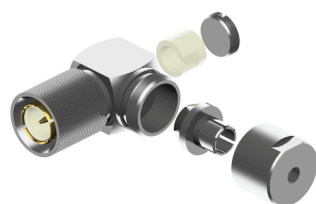
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CRIMP PLUG



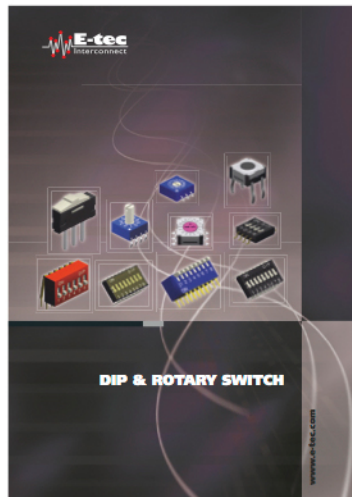
Order Code
RFP-16S-C1N733-N5

R/A CLAMP PLUG



Order Code
RFP-16R-C2N733-N5

Other 1.6/5.6 types available on request



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