

PRODUCT OVERVIEW



MMCX Microminiature Connectors

Molex MMCX connectors are a microminiature series designed for applications where densely populated electronic applications demand size and weight limitations while maintaining good R.F. characteristics. MMCX connectors are also designed to function in applications operating to 6 GHz and offer similar electrical performance to much larger coaxial connector types. Mechanical stability is maintained via a snap-fit interface that uses no slotting in the outer conductor.

Typical applications include wireless/PCS devices, Telecommunications, GPS receivers and consumer electronics.

Features and Benefits

- Microminiature
- DC to 6 GHz
- Snap-On coupling

Materials

- Contacts – BeCu (PCB jacks & adapters), brass gold plated (Edge-mount jack, cable plugs & jacks)
- Insulator – Teflon®*
- Body – Stainless steel passivated (adapters), brass gold plated (PCB & cable mount connectors)

PCB Cable Mount



SPECIFICATIONS

Electrical

Nominal Impedance (Ohms)	Frequency Range (GHz)	Voltage, Working (Vrms)	Insulation Resistance (MOhms)	Center Contact Resistance (MOhms)	Outer Contact Resistance (MOhms)	RF Leakage (-dB)	RF Insertion Loss (dB)	VSWR at Max. Freq
50	DC-6	170	1000	5	2.5	60	0.1 Straight Connector	1.25 at 6 GHz 1.12 at 2.5 GHz 1.07 at 1 GHz Straight Cabled

Mechanical

Coupling Method	Force to Engage (max)	Force to Disengage	Durability (Cycles)
Snap-On	3.4 lbs (15.12N)	1.4 - 3.4 lbs (6.23 - 15.12N)	500

Environmental

Temperature (Degrees C)	Vibration: MIL-STD-202, Method 204	Thermal Shock: MIL-STD-202, Method 107	Corrosion (Salt Spray): MIL-STD-202, Method 101	Mechanical Shock: MIL-STD-202, Method 213	Moisture Resistance: MIL-STD-202, Method 106
-55 to +165	Test Condition C	Test Condition F	Test Condition B	Test Condition B	Five minutes after removal 200 MOhms

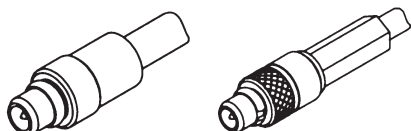
*Teflon is a registered trademark of E.I. du Pont de Nemours and Company



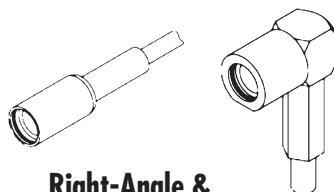
MMCX Microminiature Connectors

Technical Product Information

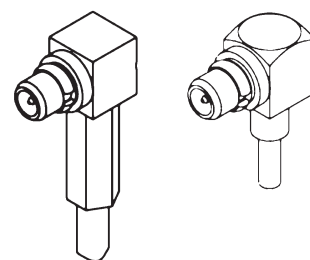
- PCB Plugs – Edge mount / vertical SMT, straight or R/A through-board mount
- Cable Plugs – Plugs/ jacks, crimp/ solder - straight or right-angle versions available
 - Semi-Rigid Cables .086 & .047
 - Flexible Cables – RG174/188/196/316/RD316 & 1.13mm
- Non-magnetic versions available for medical applications
- Between-series adapters also available.



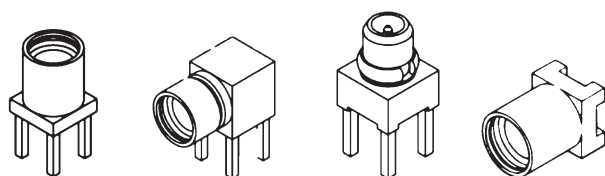
Straight Crimp & Solder Plugs



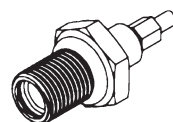
Right-Angle & Straight Crimp Jacks



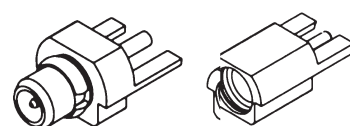
Right-Angle Crimp & Solder Plugs



Various Styles PCB SMT & Through-Board Plugs & Jacks



Bulkhead Crimp Jack



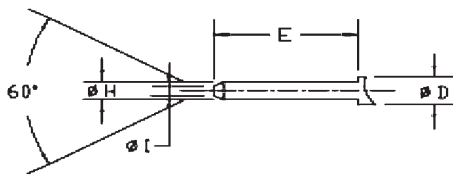
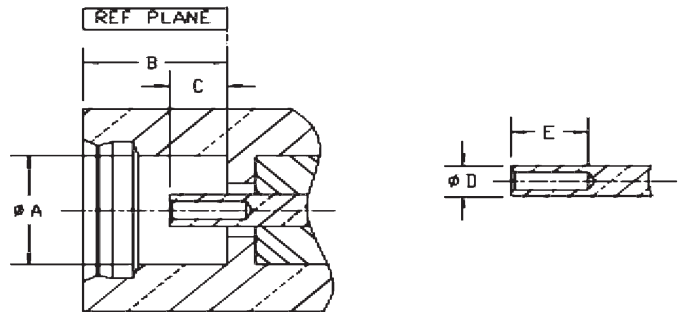
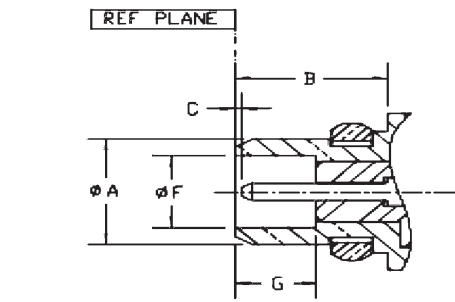
Edge-Mount Plug

ORDERING INFORMATION

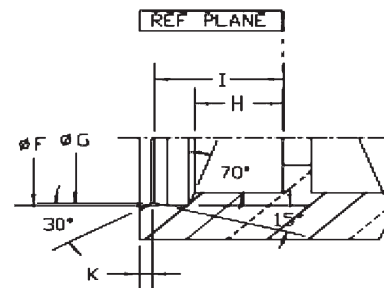
Part Number	Description	Body	Plating	Cable Type
73415-0971	Straight Crimp Plug	Brass	Gold	RG178/196
73415-1251	Straight Crimp Plug	Brass	Gold	RG174/188/316
73415-2131	Straight Crimp Plug	Brass	Gold	RD316
73415-2251	Straight Crimp Plug	Brass	Gold	1.13mm
73415-2101	Straight Solder Plug	Brass	Gold	.086 S/R
73415-2111	Straight Solder Plug	Brass	Gold	.047 S/R
73415-0951	Right-Angle Crimp Plug	Brass	Gold	RG178/196
73415-1121	Right-Angle Crimp Plug	Brass	Gold	RG174/188/316
73415-2141	Right-Angle Crimp Plug	Brass	Gold	RD316
73415-2261	Right-Angle Crimp Plug	Brass	Gold	1.13mm
73415-2151	Right-Angle Solder Plug	Brass	Gold	.047 S/R
73415-2161	Right-Angle Solder Plug	Brass	Gold	.086 S/R
73415-3410	Straight Crimp Jack	Brass	Gold	1.13mm
73415-3210	Straight Crimp Jack	Brass	Gold	RG178/196
73415-2361	Right-Angle Crimp Jack	Brass	Gold	RG178/196
73415-0991	Edge-Mount Plug	Brass	Gold	N/A
73415-0961	Edge-Mount Jack	Brass	Gold	N/A
73415-2121	Vertical PCB Through-Board Plug	Brass	Gold	N/A
73415-1471	Vertical PCB Through-Board Jack	Brass	Gold	N/A
73415-1001	Right-Angle PCB Through-Board Jack	Brass	Gold	N/A
73415-2061	Vertical PCB SMT Jack	Brass	Gold	N/A
73415-4700	Bulkhead Crimp Jack	Brass	Gold	1.13mm
73413-0040	Vertical SMT PCB Jack	Brass	Gold	N/A
73413-0050	Vertical Through-Board PCB Jack	Brass	Gold	N/A



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Plug



Jack

INTERFACE MATING DIMENSIONS

	Dimensions			
	Plug		Jack	
	min. in/(mm)	max. in/(mm)	min. in/(mm)	max. in/(mm)
A (dia)		.094/2.40	.095/2.41	
B	.106/2.70		.102/2.60	
C	0.00/0.00	.010/0.25	.035/0.09	.047/1.20
D (dia)	.028/0.7 nom.	.028/0.70 nom.	.028/0.7 nom.	.028/0.7 nom.
E		.124/3.15	.055/1.40	
F (dia)	.062/1.58	.064/1.62	.118/3.00	.120/3.04
G	.057/1.45		.113/2.88	.114/2.90
H (dia)	.015/0.38	.017/0.42	.062/1.57	.064/1.63
I (dia)		.008/0.20	.091/2.30	.092/2.34
K				.009/.023



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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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