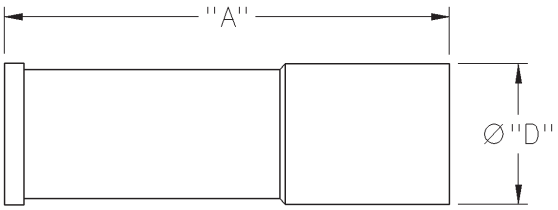
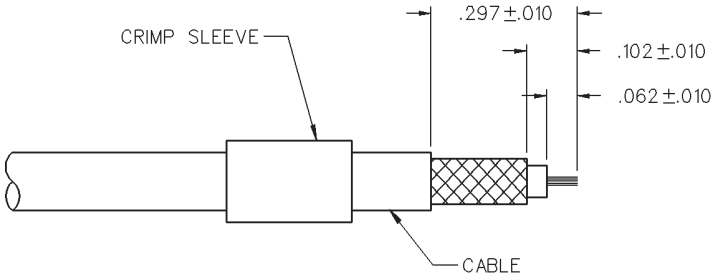
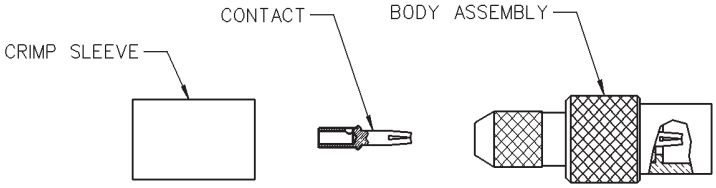
MMCX Straight Crimp Type Jack - Solder or Crimp Captivated Contact

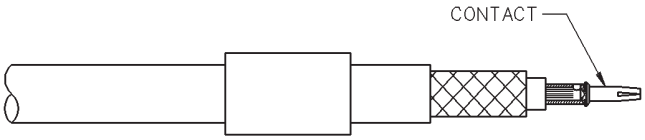
INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST



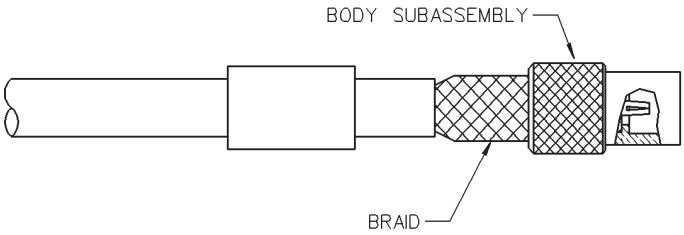
CABLE TYPE	PART NUMBER	"A"	"D"	TERMINATION
RG-179/U, 187	135-3333-001	.545 (13.84)	.173 (4.39)	Crimp Sleeve



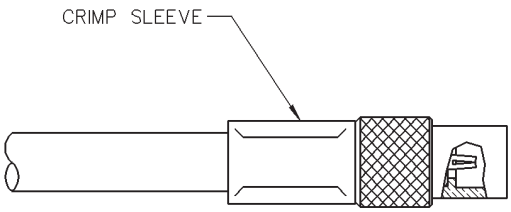




CABLE GROUP	PART NUMBER	CRIMP HEX
RG-179/u, 187	135-3333-001	.128 (3.25)



1. Identify connector parts. (3 piece parts)
2. Strip cable jacket to dimensions shown. Do not nick braid or center conductor during strip operations. Tin center conductor if contact will be solder attached. Do not tin center conductor if contact is to be crimp attached. Slide crimp sleeve onto cable jacket.
3. Assemble contact onto cable.
   Solder attachment: Solder contact to center conductor. Care should be taken that excess solder is not applied.
   Crimp attachment: Crimp contact to center conductor using Johnson Components™ hand tool 140-0000-952 and die set 140-0000-953. Crimp location should be centered between end of contact and cross-hole. Crimp attachment to solid center conductor cables is not recommended.
4. Slide body assembly over contact and under braid, then seat firmly onto contact. The body assembly will "snap" over the contact barb. The cable may have to be held in a soft jawed clamping fixture. Slide crimp sleeve forward and crimp using recommended crimp die hex.



Cinch Connectivity Solutions
299 Johnson Avenue SW, Waseca, MN 56093 USA • 800.247.8256 • +1 507 833 8822 • cinchconnectivity.com

MMCX - 50 Ohm Connectors

Specifications

ELECTRICAL RATINGS

Impedance: 50 ohms

Frequency Range: Connectors ..... 0-6 GHz
Dummy loads ..... 0-1 GHz

VSWR: (f = GHz)	Straight Cabled Connectors	Right Angle Cabled Connectors
.047 dia flexible	1.20	1.14 + .07f
RG-178, RG-316, RG-316DS	1.20	1.25
.086 semi-rigid	1.15	1.15
Uncabled receptacles, dummy loads	N/A	

Working Voltage: Connectors ..... 170 Vrms at sea level†
Dummy loads ..... N/A

Dielectric Withstanding Voltage: Connectors...500 Vrms at sea level†
Dummy loads ..... N/A

Insulation Resistance: 1000 megohms min

Contact Resistance: (milliohms maximum)	Initial	After Environmental
Center contact (straight cabled connectors and uncabled receptacles)	5.0	8.0
Center contact (right angle cabled connectors)	5.0	15.0
Outer contact (all connectors)	1.0	1.5
Braid to body	1.5	N/A

Corona Level: Connectors ..... 190 volts min at 70,000 feet†
Dummy loads ..... N/A

Insertion Loss: (dB max tested at 1 GHz)
Straight cabled connectors 0.1
Right angle cabled connectors 0.2
Uncabled receptacles, dummy loads ..... N/A

RF Leakage: (dB minimum, tested at 2.5 GHz)
Flexible cable connectors ..... -60 dB
.086 semi-rigid ..... -70 dB
Dummy loads ..... N/A

RF High Potential Withstanding Voltage: (400 Vrms at 4 and 7 MHz)†

Power Rating (Dummy Load): - 0.5 watt @ +25°C, derated to 0.25 watt @ +125° C

†Avoid user injury due to misapplication.
See safety advisory definitions inside front cover.

MECHANICAL RATINGS

Engagement Design: Series MMCX

Engagement/Disengagement Force: 8 lbs. max axial engagement
1.4 lbs. min axial disengagement

Contact Retention: 2.0 lbs. minimum axial force

Cable Retention:	**Axial Force* (pounds)**	**Torque (in-oz)**
Connectors for .047 flexible	3.5	N/A
Connectors for RG-178	7.0	N/A
Connectors for RG-316	20.0	N/A
Connectors for RG-316DS	25.0	N/A
Connectors for .086 semi-rigid	30.0	16

*Or cable breaking strength whichever is less.

Durability: ..... 500 cycles minimum

ENVIRONMENTAL RATINGS (Meets or exceed the applicable paragraph of MIL-C-39012)

Operating Temperature: Connectors ..... - 65°C to + 165°C
Dummy loads ..... - 65°C to + 125°C

Thermal Shock: Connectors: MIL-STD-202, Method 107, Condition C, except -55°C to + 155°C (N/A dummy loads)

Corrosion: MIL-STD-202, Method 101, Condition B (N/A dummy loads)

Shock: MIL-STD-202, Method 213, Condition B (N/A dummy loads)

Vibration: MIL-STD-202, Method 204, Condition D (N/A dummy loads)

Moisture Resistance: MIL-STD-202, Method 106 (N/A dummy loads)

MATERIAL SPECIFICATIONS

Bodies: Brass per QQ-B-626, gold plated* per MIL-G-45204 .00001" min.

Contacts: Beryllium copper per QQ-C-530, gold plated* per MIL-G-45204 .00003" min.

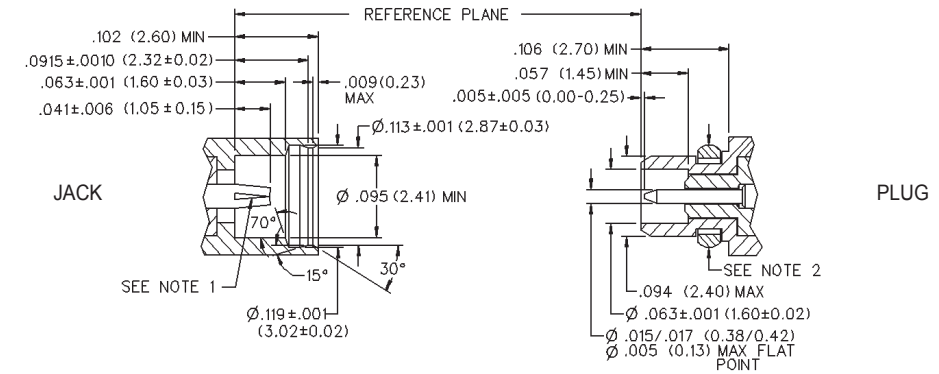
Interface Spring: Beryllium copper per QQ-C-530, gold plated* per MIL-G-45204 .00003" min.

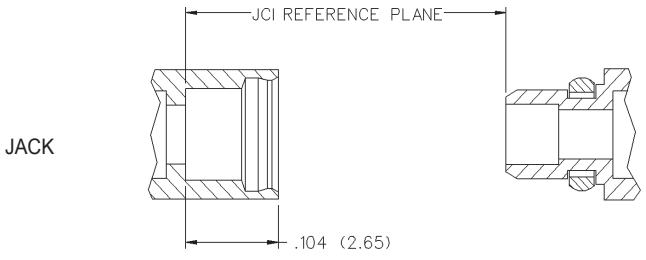
Insulators: PTFE fluorocarbon per ASTM D 1710 and ASTM D 1457

Crimp Sleeves: Copper per WW-T-799 or brass per QQ-B-626, gold plated per MIL-G-45204 .00001" min.

Mounting Hardware: Brass per QQ-B-626 or QQ-B-613, gold plated per MIL-G-45204 .00001" min.

*All gold plated parts include a .00005" min nickel barrier layer.





Mating Engagement for MMCX Series

1. ID of contact to meet VSWR mating characteristics and connector durability when mated with a dia .016 +/- .001 male contact.
2. Must meet the force to engage and disengage when mated with mating part.

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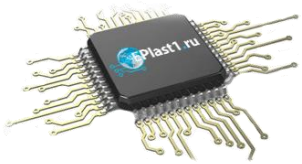
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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