

# MG210 series

Micro/Multi-Ganged 2ports, DC to 10GHz, coaxial interconnection



# Overview

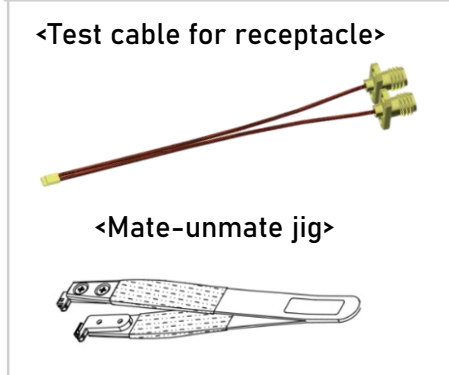


RoHS compliance

REACH compliance

Halogen Free

Accessories



**MG210** has low-loss, low EMI leakage traits with micro/multi-ganged coaxial interconnection. Coaxial lines are combined in a connector with 50 ohm matched thoroughly. Slide-mating interface secures anti-rotation and stability vs. vibration. Main applications are CPE, Femtocell, Laptop, M.2 Card IF signal transmission.

## | Features

- Space Efficiency : minimize footprint size by 2 ganged connector
- Power Efficiency : Low loss coaxial cable (DK < 2.0)
- Mechanically Stable : Strong resistance to X-Y-Z moving and vibration
- Minimized Cross Talk : Each contact is electrically/mechanically separated
- Minimized RF Interference : Full - enclosed mating by ground shell



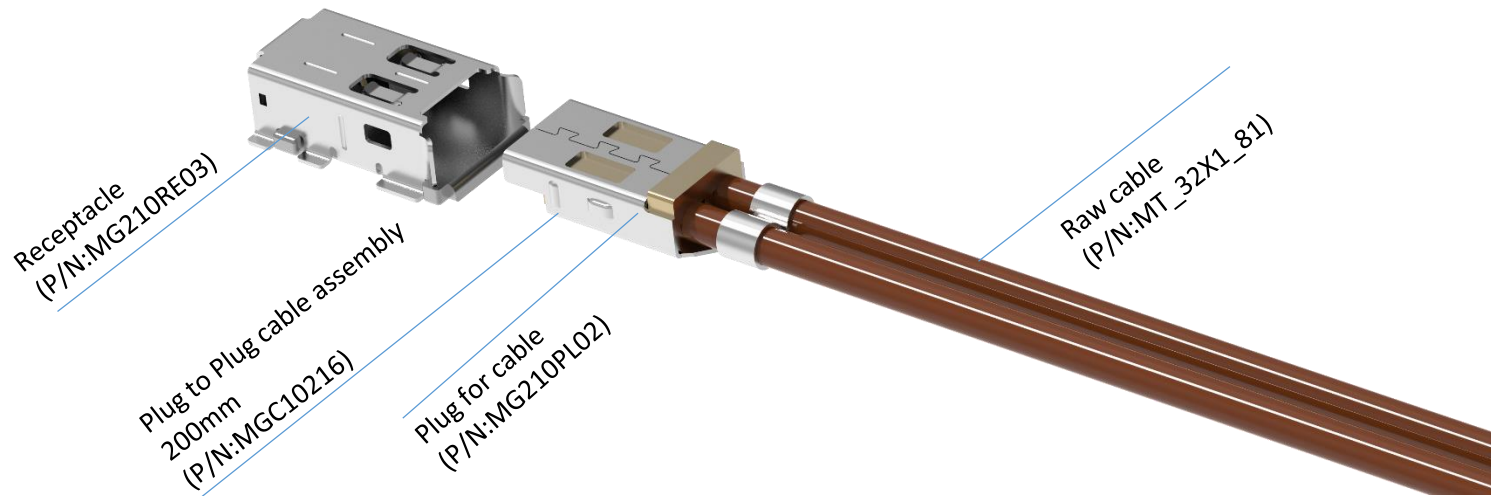
## | Specifications

- 2 cables in a single interface
- Insertion loss : -1.7dB (@10GHz) \_ Mated condition (Plug cable assembly + Receptacles both ends)
- VSWR : Max 1.5 (@10GHz)
- Height : Max 2.0mm
- Receptacle footprint : 3.7 x 5.9mm
- Frequency : DC to 10GHz
- Minimum bend radius of cable : 4mm

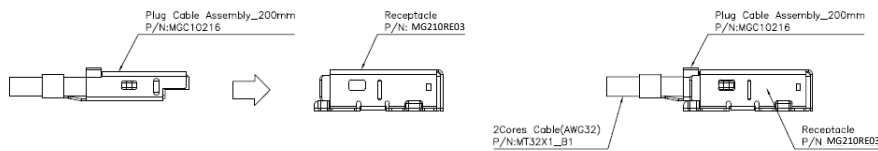
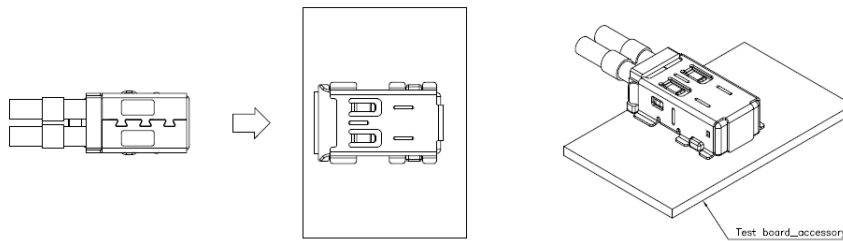
## | Part number

- Plug cable assembly(200mm) : MGC10216 \*Customized length available
- Receptacle : MG210RE03
- Test cable(MG210 Plug to 2 Female SMAs/140mm) : TRA2PA5
- Test cable(MG210 Plug to 2 Male SMAs/170mm) : TRA2PA6
- Mate-unmate jig : GJSZZA1

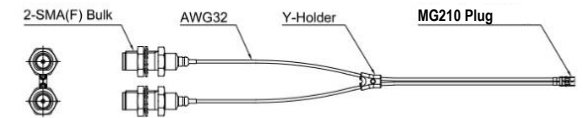
# Structure



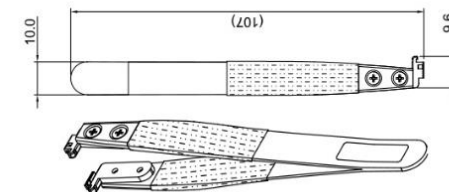
## MG210216 Mated into MG210RE03



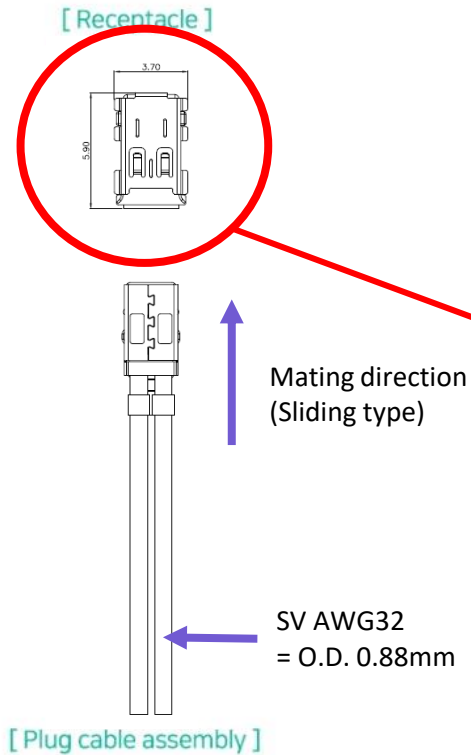
## Test accessory \_ Plug to Female SMA's 170mm (P/N : TRA2PA5)



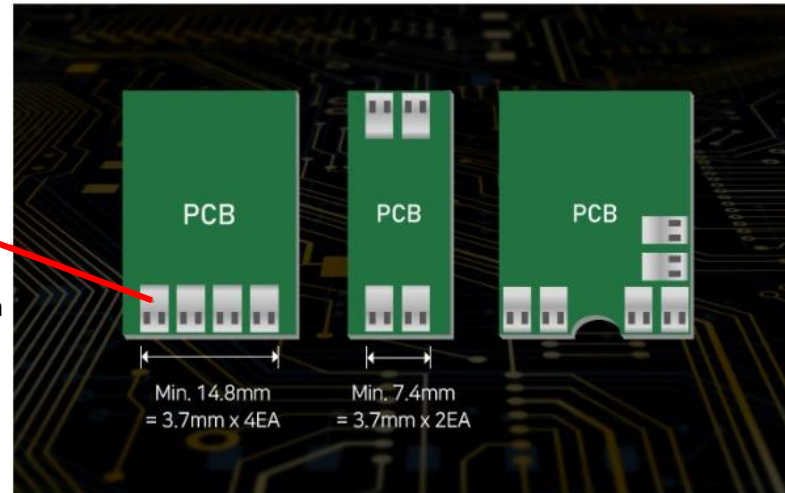
## Tweezer for mating and unmating a plug (P/N : GJSZZA1)



# MG210 in a module

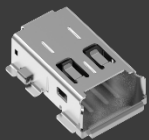


Example \_ Antenna modules



## Package

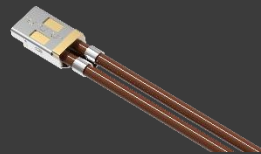
MG210RE03 (Receptacle)



[ IN A REEL ]



MGC10202 (Plug cable assembly)



[ ON A TRAY ]

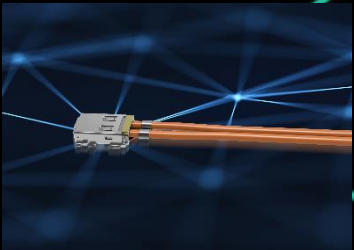
## Specification of MG210

- Insertion loss (plug to plug cable assembly + Receptacles both ends)
  - Cable 100mm : < -1.1dB (@10GHz)
  - Cable 200mm : < -1.7dB (@10GHz)
- Crosstalk(NEXT)
  - Max -40dB(DC to 10GHz) / Typical -45dB



# Thank You

Your trusted partner for 5G and beyond-5G



Micro IF Interconnection



Low-loss microwave cable



High shielding chamber



mmWave Patch Antenna



mmWave Horn Antenna