



6.25mm (.246") Pitch Ganged RF

查询"74642-1001"供应商

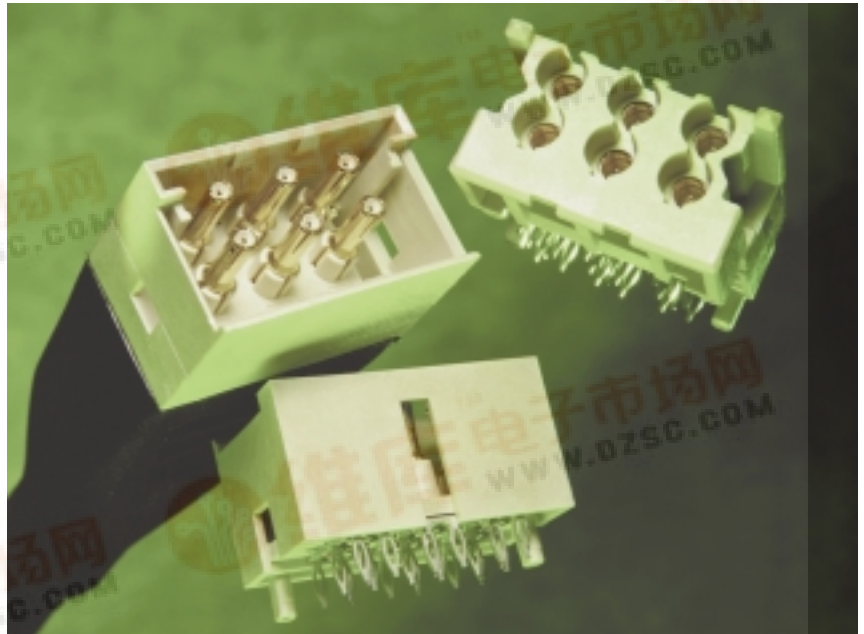
Ganged RF System Connects High Bandwidth RF Signals In Blind-Mate Daughtercard Receptacles and Backplane Headers

The Ganged RF system offers customers innovative packaging with selectively loaded housings for connecting up to 2.5GHz single-ended or analog RF signals. The blind-mate right-angle daughtercard receptacles and vertical backplane headers are available in three- and four-port sizes with selective loading of high-performance vertical signal pairs. The press-fit terminals allow simple termination to the PCB with optional application tooling available from Molex.

Options for cabling in both sizes are also available in several standard lengths to connect with the right-angle daughtercard receptacles.

Features and Benefits

- 50 Ohm $\pm 10\%$ matched impedance contact system for low insertion loss and optimal signal integrity
- 60 db min. isolation to minimize crosstalk
- Press-fit termination and locator pegs promote easy and reliable board termination
- Modular assembly of vertical signal pairs allow custom loading
- High-temperature 94V-0 housings with generous chamfers and blind-mating lead-ins for reliable and consistent mating
- Contacts with $0.76\mu\text{m}$ (30 μ) min. gold plating on mating surfaces for excellent reliability



74642, 74712

**Right Angle Receptacle and
Vertical Header**

SPECIFICATIONS

Reference Information

Packaging: Tray
UL File No.: E107635
CSA File No.: 152514 (LR19980)
Designed In: mm

Electrical

Voltage: 5.0 VAC
Current: 1.0 A max.
Contact Resistance: 35 milliohms max.
Dielectric Withstanding Voltage: 1000 VAC min.
Insulation Resistance: 1 Gigaohm min.
Return Loss:
0-1.0GHz: 15dB, 1.4:1 VSWR
1.0-2.5GHz: 12dB, 1.7:1 VSWR
Insertion Loss: 0.5dB max.

Physical

Housing and Insulator: 94V-0 high temperature thermoplastic
Terminals and Grounds: Tin Brass
Outer Ground Contact: Phosphor Bronze
Plating:
Terminals:
0.76 μm (30 μ) min. Gold in contact area
0.88 μm (35 μ) min. Tin/Lead selective
Grounds:
0.88 μm (35 μ) min. Tin/Lead overall
Outer Ground Contact:
0.76 μm (30 μ) min. Gold overall
Underplating: 1.27 μm (50 μ) min. Nickel
PCB Thickness:
Daughtercard 3.2mm (.125") max.
Backplane 4.5mm (.178") max.
Operating Temperature: -45 to 85° C

Mechanical

Contact Insertion Force: 5.0N (1.1lb) max. per contact
Contact Retention to Housing: 5.0N (1.1lb) min. per module
Insertion Force to PCB: 50N (11.2lb) max. per terminal
Durability: 500 cycles





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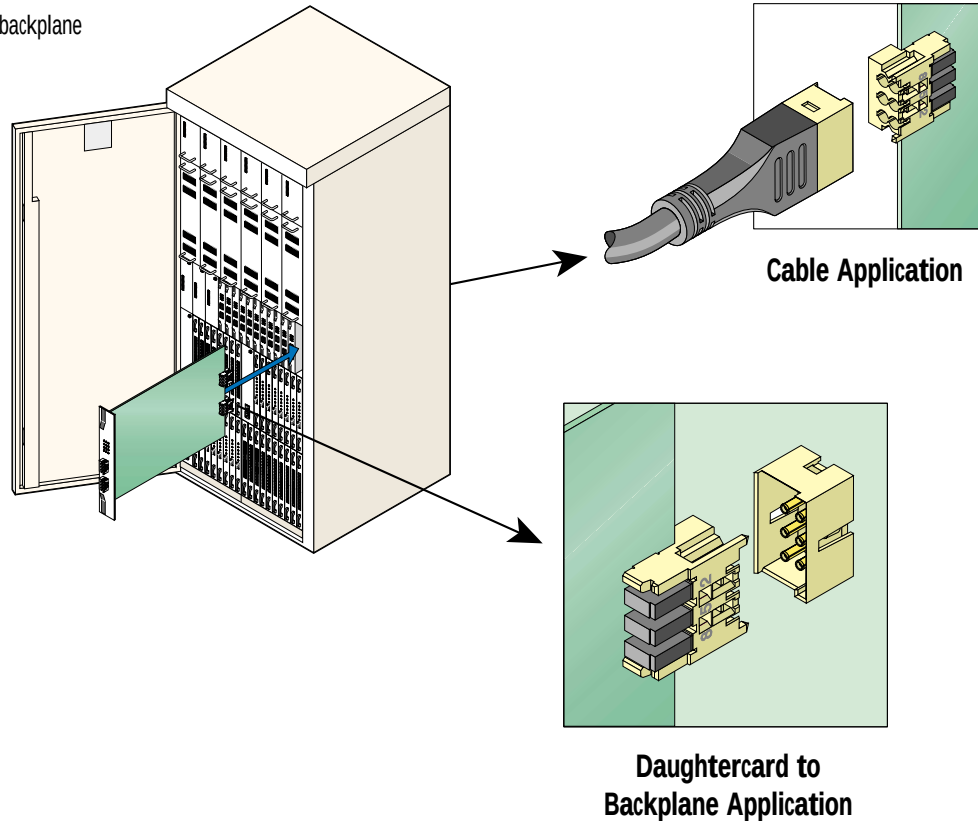
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Right Angle Receptacle and Vertical Header

Application 查询"74642-1001"供应商

Ganged RF connectors and cable assemblies are suitable where high bandwidth analog or blind-mating of critical high-speed circuits is required:

- Telecommunications
- Cellular base stations
- Wireless networking
- Single-ended digital applications
- Coaxial connections for daughtercard to backplane
- Wire-to-board applications



ORDERING INFORMATION

Connector	Ports	Number of Contacts	Loaded Port Number	Order Number
Right Angle Receptacle	3	2	2	74642-1003
		4	2, 8	74642-1002
		6	2, 5, 8	74642-1001
	4	8	2, 5, 8, 11	74642-0001
		2	2	74642-0002
		2	2	74712-1003
Vertical Header	3	4	2, 8	74712-1002
		6	2, 5, 8	74712-1001
	4	8	2, 5, 8, 11	74712-0001
		2	2	74712-0002
		2	2	74712-1003
		2	2	74712-0002

Americas Headquarters

Lisle, Illinois 60532 U.S.A.
Tel: 1-800-78MOLEX
Fax: 630-969-1352

Far East North Headquarters

Yamato, Kanagawa, Japan
Tel: 81-462-65-2324
Fax: 81-462-65-2366

Far East South Headquarters

Jurong, Singapore
Tel: 65-6-268-6868
Fax: 65-6-265-2985

European Headquarters

Munich, Germany
Tel: 49-89-413092-0
Fax: 49-89-401527

Corporate Headquarters

2222 Wellington Ct.
Lisle, IL 60532 U.S.A.
Tel: 630-969-4550

Visit our Web site at <http://www.molex.com/product/gangedrf.html>