

Series D-Sub Coax Inserts

Miniature coaxial connectors with high electrical and mechanical stability and low space requirements, especially for cramped layouts in electronic devices. These connectors were specially developed for applications in rack/ plug-in chassis technology and for printed circuit boards.

The mounting holes in these mixed card-edge connectors are designed to provide a combination with high current and high voltage connectors. The contacts are installed in the mounting holes by a simple snap-in method. An extracting tool is required for removal.

In this series, the plugs are equipped with jack inner contacts (female) and the sockets with plug inner contacts (male).

Serie D-Sub Koaxeinsätze

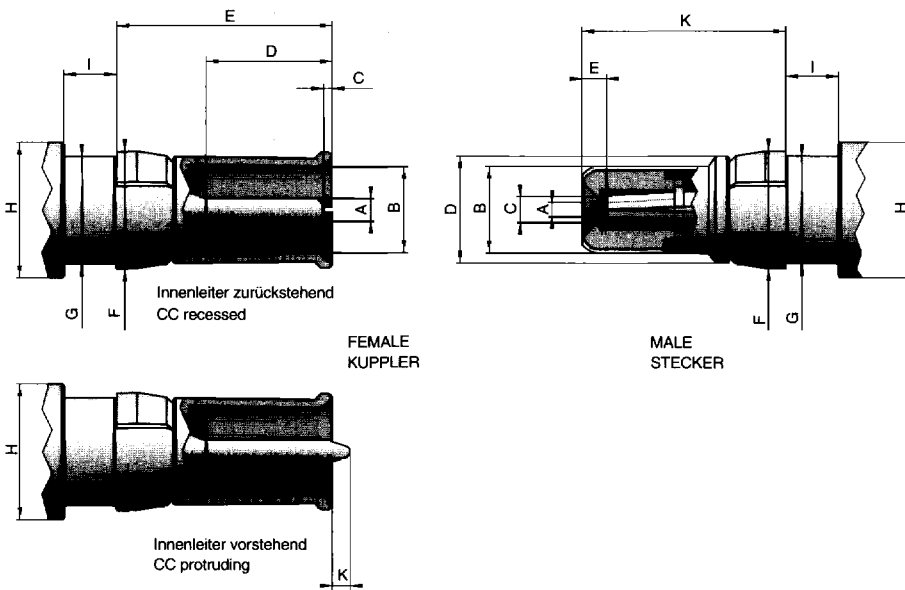
Miniatur-Koaxialsteckverbinder mit hoher elektrischer und mechanischer Stabilität und geringem Platzbedarf besonders für gedrängte Bauweise in elektronischen Geräten. Sie wurden speziell für Anwendungen in Gestell- / Einschub-Technik und für gedruckte Schaltungen konzipiert.

Die Bohrungen in diesen Mischleisten sind so ausgeführt, daß eine Kombination mit Hochstrom- und Hochspannungs-Steckverbindern möglich ist. Die Montage der Kontakte in die Leiste erfolgt durch einfaches einrasten, zur Demontage ist ein Werkzeug erforderlich.

Bei dieser Serie sind die Stecker mit einem Buchsen-Innenleiter und die Kuppler mit einem Stift-Innenleiter ausgestattet.

Mechanical Characteristics

Anschlußmaße



D Sub Coax Inserts 50 Ohm (Serie 55)					
FEMALE			MALE		
KUPPLER			STECKER		
	min.	max.	min.	max.	
A	0.99	1.01			1)2) A
B		1)2)			3.85 B
C	0.10	0.50			1.10 C
D	5.45	5.65			4.75 D
E	9.35	9.50	0.9	1.1	E
F		5.25			5.25 F
G	4.76	4.79	4.76	4.79	G
H		6.00 3)			6.00 3) H
I	2.22	2.40	2.22	2.40	I
K	0.40	0.80	8.85	9.00	K

1) resilient, dim. to meet electrical and mechanical requirements
fedemd aufgeweitet bzw. zusammengezogen
(Erfüllung elektr./mech. Forderungen)

2) Contact diameters refer to 50 Ohm
Durchmesser Innenleiter/Außenleiter müssen 50 Ohm entsprechen

3) square shape optional
auch quadratisch gestattet

Technical Characteristics D-Sub Coax Inserts

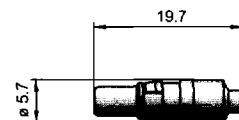
Technische Daten D-Sub Koaxeinsätze

Electrical characteristics		Elektrische Daten	
Characteristic impedance	50 Ω	Wellenwiderstand	
Frequency range	0...2 GHz	Frequenzbereich	
VSWR	0 - 0.1 GHz ≤ 1.06 typ. 0.1 - 0.5 GHz ≤ 1.22 typ. 0.5 - 2 GHz ≤ 1.50 typ.	VSWR	
Insulation resistance	≥ 10 ⁴ MΩ	Isolationswiderstand	
Test voltage	1500 V rms	Prüfspannung	
Working voltage	500 V rms	Betriebsspannung	
Mechanical characteristics		Mechanische Daten	
Connecting operations	≥ 50	Anzahl Steckzyklen	
Enviromental		Umgebungseinflüsse	
Temperature range	-55°C - +125°C	Temperaturbereich	
Quality test	MIL-STD-202	Qualitätsprüfung	
Materials		Materialien	
Body	Brass	Außenleiter	
Insulator	PTFE	Isolator	
Crimping sleeve	copper	Krimphülse	
Clip	CuBe		
Plating body	Au	Oberfläche Außenleiter	
Plating center contact area	Au	Oberfläche Kontaktzone Innenleiter	

STRAIGHT PLUG, Solder

STECKER gerade, löt

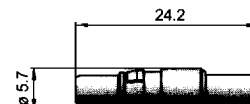
Part Number	Cable Group	Assembly Instruction	Remarks
55 S 101-270 H3	70	55 D	



STRAIGHT PLUG, Crimp

STECKER gerade, crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
55 S 101-802 H3	02	55 A1	11 W 150-402	



STRAIGHT PLUG, Solder-Crimp

STECKER gerade, löt-crimp

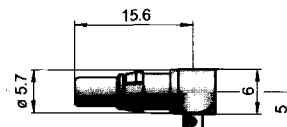
Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
55 S 101-301 A3	01	55 A	11 W 150-101	
55 S 101-302 A3	02	55 A	11 W 150-102	
55 S 101-303 A3	03	55 A	11 W 150-103	
55 S 101-306 A3	06	55 A	11 W 150-106	



RIGHT ANGLE PLUG, Solder

WINKELSTECKER, löt

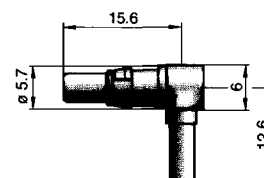
Part Number	Cable Group	Assembly Instruction	Remarks
55 S 201-270 H3	70	55 E	



RIGHT ANGLE PLUG, Solder-Crimp

WINKELSTECKER, löt-crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
55 S 201-301 H3	01	55 B	11 W 150 101	
55 S 201-302 H3	02	55 B	11 W 150-102	
55 S 201-303 H3	03	55 B	11 W 150-103	
55 S 201-306 H3	06	55 B	11 W 150-106	

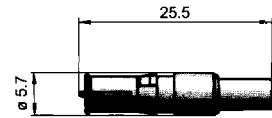


STRAIGHT JACK, Crimp

KUPPLER gerade, crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
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55 K 101-802 H3 02 55 A1 11 W 150-402



STRAIGHT JACK, Crimp

KUPPLER gerade, crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
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55 K 151-802 H3 02 55 A1 11 W 150-402



STRAIGHT JACK, Solder-Crimp

KUPPLER gerade, löt-crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
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55 K 101-301 H3 01 55 A 11 W 150-101
 55 K 101-302 H3 02 55 A 11 W 150-102
 55 K 101-303 H3 03 55 A 11 W 150-103
 55 K 101-3V6 H3 V6 55 A 11 W 150-104
 55 K 101-306 H3 06 55 A 11 W 150-106

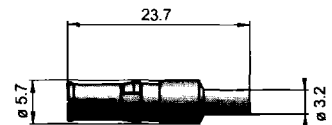


STRAIGHT JACK, Solder-Crimp

KUPPLER gerade, löt-crimp

Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
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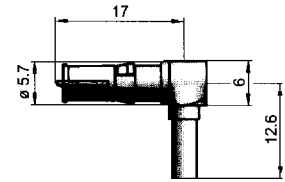
55 K 151-301 H3 01 55 A 11 W 150-101
 55 K 151-302 H3 02 55 A 11 W 150-102
 55 K 151-303 H3 03 55 A 11 W 150-103
 55 K 151-3V6 H3 V6 55 A 11 W 150-104
 55 K 151-306 H3 06 55 A 11 W 150-106



RIGHT ANGLE JACK, Solder-Crimp

WINKELKUPPLER, löt-crimp

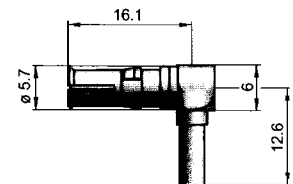
Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
55 K 201-301 H3	01	55 B	11 W 150-101	
55 K 201-302 H3	02	55 B	11 W 150-102	
55 K 201-303 H3	03	55 B	11 W 150-103	
55 K 201-306 H3	06	55 B	11 W 150-106	



RIGHT ANGLE JACK, Solder-Crimp

WINKELKUPPLER, löt-crimp

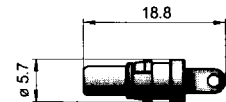
Part Number	Cable Group	Assembly Instruction	Crimp-Inserts	Remarks
55 K 251-301 H3	01	55 B	11 W 150-101	
55 K 251-302 H3	02	55 B	11 W 150-102	
55 K 251-303 H3	03	55 B	11 W 150-103	
55 K 251-306 H3	06	55 B	11 W 150-106	



STRAIGHT PLUG, Solder Tag

STECKER gerade, Lötöse

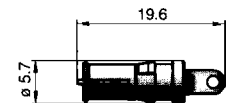
Part Number	Cable Group	Assembly Instruction	Remarks
55 S 101-200 H3			



STRAIGHT JACK, Solder Tag

KUPPLER gerade, Lötöse

Part Number	Cable Group	Assembly Instruction	Remarks
55 K 101-200 H3			

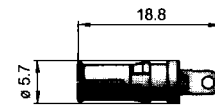


STRAIGHT JACK, Solder Tag

KUPPLER gerade, Lötöse

Part Number	Cable Group	Assembly Instruction	Remarks
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55 K 151-200 H3



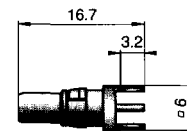
STRAIGHT PLUG for PCB

LEITERPLATTENSTECKER, gerade

Part Number	Panel Piercing	Remarks
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55 S 101-400 H3

B 30



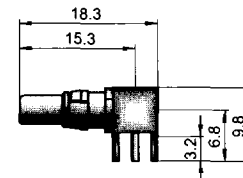
RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

Part Number	Panel Piercing	Remarks
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55 S 201-400 H3

B 30



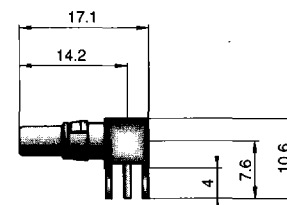
RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

Part Number	Panel Piercing	Remarks
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55 S 202-400 H3

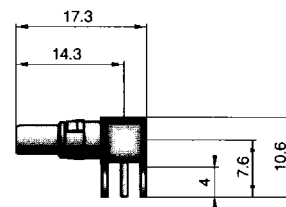
B 30



RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

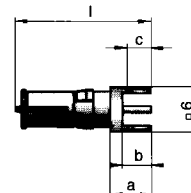
Part Number	Panel Piercing	Remarks
55 S 203-400 H3	B 31	



STRAIGHT JACK for PCB

LEITERPLATTENKUPPLER, gerade

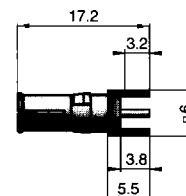
Part Number	Panel Piercing	Remarks
55 K 101-400 H3	B 30	l = 18, a = 5.5, b = 3.8, c = 3.2
55 K 102-400 H3	B 30	l = 17, a = 4.4, b = 3.2, c = 2.9



STRAIGHT JACK for PCB

LEITERPLATTENKUPPLER, gerade

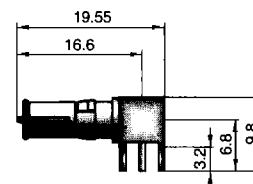
Part Number	Panel Piercing	Remarks
55 K 151-400 H3	B 30	



RIGHT ANGLE JACK for PCB

LEITERPLATTEN-WINKELKUPPLER

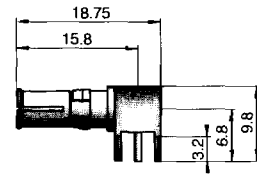
Part Number	Panel Piercing	Remarks
55 K 201-400 H3	B 30	



RIGHT ANGLE JACK for PCB

LEITERPLATTEN-WINKELKUPPLER

Part Number	Panel Piercing	Remarks
55 K 251-400 H3	B 30	



5