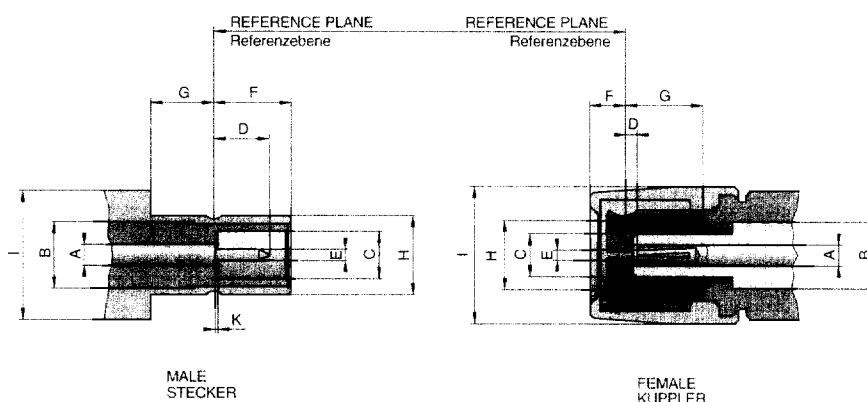


Technical Characteristics SMB

Technische Daten SMB

Electrical characteristics			Elektrische Daten		
Characteristic impedance	50 Ω		Wellenwiderstand		
Frequency range	0...4 GHz		Frequenzbereich		
VSWR (straight contacts)	≤ 1.30 typ.		VSWR (gerader Kontakt)		
Insertion loss (dB)	0.1 dB max. /1GHz typ.		Dämpfung (dB)		
Insulation resistance	1000 MΩ		Isolationswiderstand		
Center contact resistance	≤ 5.0 mΩ		Übergangswiderstand Innenleiter		
Outer contact resistance	≤ 2.5 mΩ		Übergangswiderstand Außenleiter		
Test voltage	750 V rms		Prüfspannung		
Working voltage	150 V rms		Betriebsspannung		
Contact current	1.5 A DC typ.		Strombelastbarkeit		
Mechanical characteristics			Mechanische Daten		
Engagement force	25 N max.		Einsteckkraft		
Disengagement force	12 N min.		Ausziehkraft		
Center contact retention force	20 N min.		Innenleiter Haltekraft		
Connecting operations	≥ 500		Anzahl Steckzyklen		
Environmental			Umgebungseinflüsse		
Temperature range	-65°C - +155°C		Temperaturbereich		
Vibration	MIL-STD-202 Meth. 204/B		Vibration		
Humidity	MIL-STD-202 Meth. 106/D		Feuchtigkeit		
Shock	MIL-STD-202 Meth. 213/B		Schock		
Temperature cycle	MIL-STD-202 Meth. 102/C		Temperatur Zyklen		
Materials			Materialien		
Body	Brass		Außenleiter		
Center contact - plug	Brass		Innenleiter - Stecker		
Center contact - jack	CuBe 2		Innenleiter - Kuppler		
Spring	CuBe 2		fedemde Kontaktteile		
Insulator	PTFE		Isolator		
Crimping sleeve	soft copper		Krimphülse		
Gaskets	Rubber		Dichtungen		
Plating body contact area	Au		Oberfläche Kontaktzone Außenleiter		
Plating center contact area	Au		Oberfläche Kontaktzone Innenleiter		



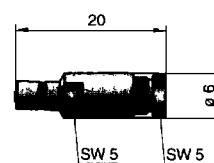
SMB (50 Ohm) Serie 59					
MALE			FEMALE		
STECKER			KUPPLER		
	min.	max.	min.	max.	
A	0.95 nom		0.95 nom		A
B	3.05 nom		3.05 nom		B
C	2.08		2.06		C
D		2.97	0.18	0.94	D
E	0.48	0.53	1)		E
F	3.33	3.58		1.63	F
G	1.65		3.58		G
H	3.66	3.71		1)	H
I		6.50		6.50	I
K	0.0	0.18			

1) resilient, dim. to meet electrical and mechanical requirements
 federn zusammengedrückt (Erfüllung elektr./mech. Forderungen)

STRAIGHT PLUG, Clamp

STECKER, klemm

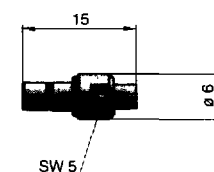
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 S 101-001 D3	01	59 A	68-0003	
59 S 101-002 D3	02 / 03	59 A	68-0004	



STRAIGHT PLUG, Solder

STECKER, löt

Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 S 101-271 D3	71	59 K		



STRAIGHT PLUG, Crimp

STECKER, crimp

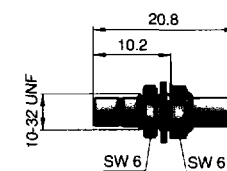
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Crimp-Insert	Remarks
59 S 101-101 D3	01	59 G2	68-0008	11 W 150-401	
59 S 101-102 D3	02	59 G2	68-0009	11 W 150-402	
59 S 101-103 D3	03	59 G2		11 W 150-403	



**BULKHEAD PLUG, Crimp
Rear Mount**

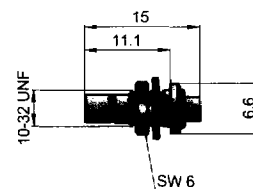
**GEHÄUSESTECKER, Crimp
Montage von hinten**

Part Number	Cable Group	Assembly Instruction	Panel Piercing	Crimp-Insert	Remarks
59 S 602-101 D3	01	59 G2	B 22	11 W 150-401	
59 S 602-102 D3	02	59 G2	B 22	11 W 150-402	
59 S 602-103 D3	03	59 G2	B 22	11 W 150-403	



BULKHEAD PLUG, Solder, Rear Mount **GEHÄUSESTECKER, löt, Montage von hinten**

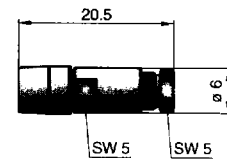
Part Number	Cable Group	Assembly Instruction	Panel Piercing	Remarks
59 S 501-271 D3	71	59 K	B 22	



STRAIGHT JACK, Clamp

KUPPLER, klemm

Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 K 101-001 D3	01	59 A	67-0003	
59 K 101-002 D3	02,03	59 A	67-0004	



STRAIGHT JACK, Solder

KUPPLER, löt

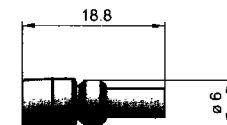
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 K 101-271 D3	71	59 K		



STRAIGHT JACK, Crimp

KUPPLER, crimp

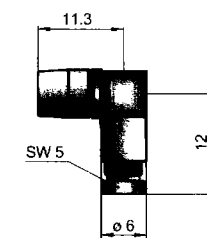
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Crimp-Insert	Remarks
59 K 101-101 D3	01	59 G2	67-0008	11 W 150-401	
59 K 101-102 D3	02	59 G2	67-0009	11 W 150-402	
59 K 101-103 D3	03	59 G2		11 W 150-403	



RIGHT ANGLE JACK, Clamp

WINKELKUPPLER, klemm

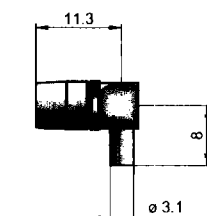
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 K 201-001 D3	01	59 C	69-0003	
59 K 201-002 D3	02,03	59 C	69-0004	



RIGHT ANGLE JACK, Solder

WINKELKUPPLER, löt

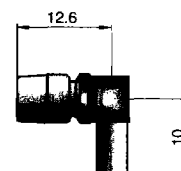
Part Number	Cable Group	Assembly Instruction	MIL-Std - C39012	Remarks
59 K 201-271 D3	71	59 K1		



RIGHT ANGLE JACK, Crimp

WINKELKUPPLER, crimp

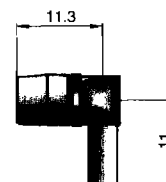
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp Insert	Remark
59 K 201-101 D3	01	59 H	67-0008	11 W 150-402	
59 K 201-102 D3	02	59 H	67-0009	11 W 150-402	
59 K 201-103 D3	03	59 H		11 W 150-402	



RIGHT ANGLE JACK, Solder-Crimp

WINKELKUPPLER, löt-crimp

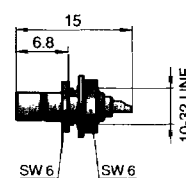
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp Insert	Remark
59 K 204-301 D3	01	59 F		11 W 150-101	
59 K 204-302 D3	02	59 F		11 W 150-102	
59 K 204-303 D3	03	59 F		11 W 150-103	



BULKHEAD PLUG, Front Mounting

GEHÄUSESTECKER, Montage von vorne

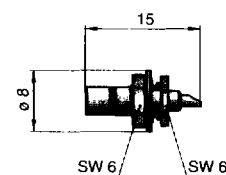
Part Number	MIL-Std. C39012	Panel Piercing	Remark
59 S 601-200 D3	71-0002	B 22	



BULKHEAD PLUG, Rear Mounting

GEHÄUSESTECKER, Montage von hinten

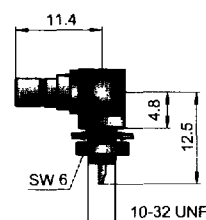
Part Number	MIL-Std. C39012	Panel Piercing	Remark
59 S 602-200 D3	71-0001	B 22	



RIGHT ANGLE BULKHEAD PLUG

GEHÄUSE-WINKELSTECKER

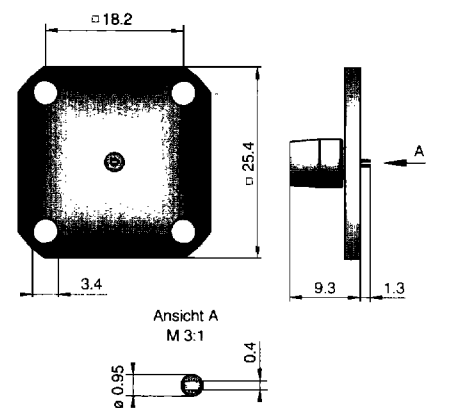
Part Number	Panel Piercing	Remark
59 S 201-200 D3	B 22	



PANEL JACK, Stripline

GEHÄUSEKUPPLER, Stripline

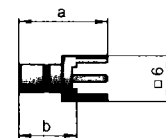
Part Number	MIL-Std	Panel Piercing	Remarks
59 K 402-700 N4	C39012	B 9	square flange, 1"



PLUG for PCB

LEITERPLATTENSTECKER

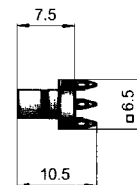
Part Number	Panel Piercing	Remarks
59 S 101-400 D3	B 30	a = 11.5; b = 7.5
59 S 102-400 D3	B 30	a = 16.5; b = 13.0



PRESS-FIT PLUG for PCB

PRESS-FIT-LEITERPLATTENSTECKER

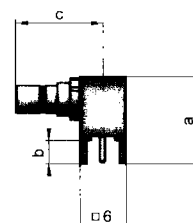
Part Number	Panel Piercing	Remarks
59 S 102-40P E3	B 79	



RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

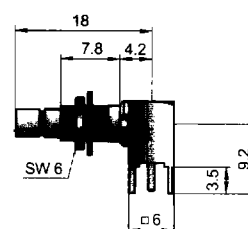
Part Number	Panel Piercing	Remarks
59 S 201-400 D3	B 30	a = 11.4; b = 3; c = 11.5
59 S 212-400 D3	B 30	a = 12.7; b = 4; c = 10.5



RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

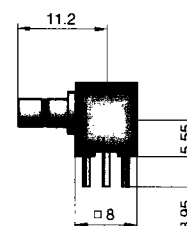
Part Number	Panel Piercing	Remarks
59 S 206-400 D3	B 30	



RIGHT ANGLE PLUG for PCB

LEITERPLATTEN-WINKELSTECKER

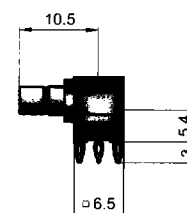
Part Number	Panel Piercing	Remarks
59 S 213-40T D3	B 30	washable / waschdicht



PRESS-FIT RIGHT ANGLE PLUG for PCB

PRESS-FIT LEITERPLATTEN-WINKELSTECKER

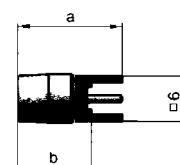
Part Number	Panel Piercing	Remarks
59 S 201-40P D3	B 79	



JACK for Printed Circuit Boards

LEITERPLATTENKUPPLER

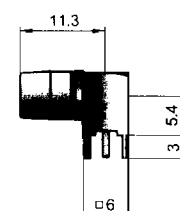
Part Number	Panel Piercing	Remarks
59 K 101-400 D3	B 30	a = 13.5; b = 9.5
59 K 102-400 D3	B 30	a = 12.2; b = 8.2



RIGHT ANGLE JACK for PCB

LEITERPLATTEN-WINKELKUPPLER

Part Number	Panel Piercing	Remarks
59 K 201-400 D3	B 30	



TERMINATION PLUG

ABSCHLUSS-STECKER

Part Number	Technical information	Remarks
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59 S 155-025 D3 0.25 W; 0-1 GHz

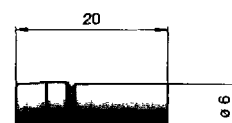


TERMINATION JACK

ABSCHLUSS-KUPPLER

Part Number	Technical information	Remarks
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59 K 155-025 D3 0.25 W; 0-1 GHz



STRAIGHT ADAPTOR

VERBINDER gerade

Part Number	Remarks
-------------	---------

59 S 101-S00 D3 2 x plug

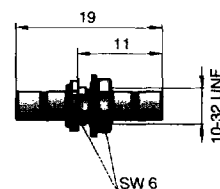


BULKHEAD ADAPTOR

GEHÄUSEVERBINDER

Part Number	Remarks
-------------	---------

59 S 601-S00 D3 2 x plug

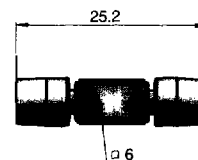


STRAIGHT ADAPTOR

VERBINDER gerade

Part Number	Remarks
-------------	---------

59 K 101-K00 D3 2 x jack



STRAIGHT ADAPTOR

VERBINDER gerade

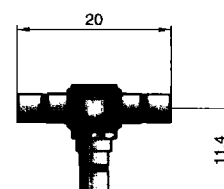
Part Number	Remarks
59 S 101-K00 D3	1 x plug; 1 x jack



T-ADAPTOR

T-VERBINDER

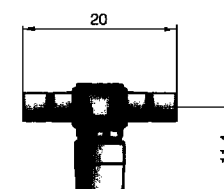
Part Number	Remarks
59 S 301-S00 D3	3 x plug



T-ADAPTOR

T-VERBINDER

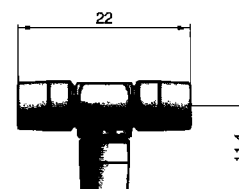
Part Number	Remarks
59 S 301-K00 D3	2 x plug, 1 x jack



T-ADAPTOR

T-VERBINDER

Part Number	Remarks
59 K 301-K00 D3	3 x jack



T-ADAPTOR

T-VERBINDER

Part Number	Remarks
59 K 301-S00 D3	2 x jack, 1 x plug

