

Series SMA

Precision coaxial connector for microwave applications. The maximum frequency is 24 GHz, recommended frequency range up to 18 GHz. SMA connectors satisfy high quality standards and are characterized by high reliability, high mechanical stability, long life, and optimum electrical properties, especially low VSWR.

The connectors are available in various quality classes for different applications, with the outer conductor manufactured from different materials and therefore with different price levels:

- standard quality gold plated beryllium copper,
- stainless steel and
- low cost version in nickel-plated brass.

Straight and angled connectors are available for cable with diameters from 1.2 mm to 6.3 mm. In addition, connectors are available in a variety of panel types, for printed circuit boards or for microwave applications. e.g. microstrip or planar waveguide.

Design in accordance with:

- IEC 169-15
- CECC 22 110
- US MIL-C-39012
- BS9210N0006

Quality tested in accordance with: US MIL-Std 202

Cable mounting: clamp and crimp versions, soldered for semi-rigid cables

Special versions: connectors for PCB applications (solder, press-fit and SMT), connectors for planar structures (e.g. microstrip), hermetically sealed versions

Serie SMA

Miniatur-Koaxialsteckverbinder in Präzisionsausführung für Mikrowellenanwendungen im Frequenzbereich bis 18 GHz (24 GHz). Sie besitzen einen hohen Qualitätsstandard und zeichnen sich durch Zuverlässigkeit, große mechanische Festigkeit, lange Lebensdauer und optimale elektrische Eigenschaften, insbesondere niedriges VSWR, aus.

Für verschiedene Einsatzfälle werden die Steckverbinder mit unterschiedlicher Materialauswahl für die Außenleiterteile und daraus folgender Qualitätsstaffelung und verschiedener Preisabstufung angeboten:

- die Standardausführung in vergoldetem Kupfer-Beryllium,*
- eine Ausführung in Edelstahl und*
- eine low-cost-Ausführung in Messing vernickelt.*

Lieferbar sind Stecker in gerader und Winkel-Ausführung für Kabel mit Durchmessern von 1,2 mm bis 6,3 mm. Ferner sind Stecker für Gehäusemontage, gedruckte Schaltungen oder für Mikrowellenanwendungen, z.B. Microstrip oder planare Strukturen erhältlich.

Anschlußdimensionen nach:

- IEC 169-15
- CECC 22 110
- US MIL-C-39012
- BS9210N0006

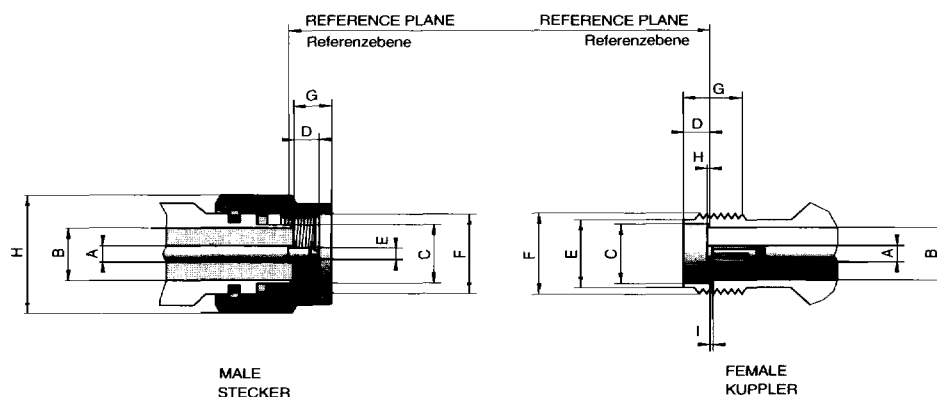
Qualitätsprüfung nach: US MIL-STD 202

Kabelmontage: Klemm- und Crimpverbindung, Lötverbindung für semi-rigid Kabel

Spezialausführungen: Elemente für Leiterplatten (Löt- und Einpreßtechnik) Bauformen für planare Strukturen (z.B. Mikrostrip) hermetische Ausführungen

Mechanical Characteristics

Anschlußmaße



SMA (50 Ohm) Serie 32					
	MALE		FEMALE		
	STECKER		KUPPLER		
	min.	max.	min.	max.	
A	1.245	1.295	1.245	1.295 1)2)	A
B		4.178		4.178 1)	B
C		4.59	4.60	4.67	C
D		2.54	1.88	1.98	D
E	0.902	0.940	5.28	5.49	E
F	1/4-36 UNS-2B		1/4-36 UNS-2B		F
G	3.43		4.32		G
H	HEX 5/16"		0.05		H
I			0.05	0.25	I

1) Contact diameters refer to 75 Ohm Durchmesser Innenleiter/Außenleiter müssen 75 Ohm entsprechen

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

Technical Characteristics SMA

Technische Daten SMA

Electrical characteristics		Elektrische Daten
Characteristic impedance	50 Ω	Wellenwiderstand
Frequency range (straight connectors)		Frequenzbereich (gerade Steckverbinder)
max.	0...24 GHz	max.
recommended	0...18 GHz	empfohlen
typ. VSWR (straight connectors)		typ. VSWR (gerade Steckverbinder)
VSWR class 0	≤ 1.1 0...18 GHz / ≤ 1.2 18...24 GHz	VSWR Klasse 0
VSWR class 1	1.05 + 0.005 x f (GHz)	VSWR Klasse 1
VSWR class 2	1.07 + 0.005 x f (GHz)	VSWR Klasse 2
VSWR class 3	1.10 + 0.010 x f (GHz)	VSWR Klasse 3
VSWR class 4	1.10 + 0.020 x f (GHz)	VSWR Klasse 4
VSWR class 5	1.15 + 0.010 x f (GHz)	VSWR Klasse 5
VSWR class 6	1.15 + 0.020 x f (GHz)	VSWR Klasse 6
VSWR class 7	1.20 + 0.020 x f (GHz)	VSWR Klasse 7
Insertion loss (dB)	0.1 dB max. /1GHz typ.	Dämpfung (dB)
Insulation resistance	≥ 5000 MΩ	Isolationswiderstand
Center contact resistance	≤ 3.0 mΩ	Übergangswiderstand Innenleiter
Outer contact resistance	≤ 2.0 mΩ	Übergangswiderstand Außenleiter
Test voltage	1000 V rms	Prüfspannung
Working voltage	480 V rms	Betriebsspannung
Contact current	≤ 2 A DC typ.	Strombelastbarkeit
Power handling	typ. 100 W / 10 GHz, 25°C; VSWR=1	Leistungsbelastbarkeit
RF-leakage (dB)	≥ 100	Schirmdämpfung (dB)
Mechanical characteristics		Mechanische Daten
Coupling torque	St. Steel/BeCu / Brass	Anzugsdrehmoment
min.	60 Ncm / 12 Ncm	min.
max.	170 Ncm / 60 Ncm	max.
recommended	90 Ncm / 50 Ncm	empfohlen
Coupling nut retention	≥ 300 N	Haltekraft, Überwurfmutter
Center contact retention force	≥ 22 N	Innenleiter Haltekraft
Connecting operations	≥ 500	Anzahl Steckzyklen
Enviromental		Umgebungseinflüsse
Temperature range	-65°C - +165°C	Temperaturbereich
Vibration	MIL-STD-202 Meth. 204/B	Vibration
Shock	MIL-STD-202 Meth. 204/D	Schock
Humidity	MIL-STD-202 Meth. 106/B	Feuchtigkeit
Corrosion resistance	MIL-STD-202 Meth. 101	Korrosionsbeständigkeit
Climatic Class according IEC	IEC 55 / 155 / 21	Klimaklasse nach IEC
Temperature cycle	MIL-STD-202 Meth. 102/C	Temperatur Zyklen
Materials		Materialien
Body	CuBe2 / Stainless steel / Brass	Außenleiter
Spring loaded contacts	CuBe	fedemde Kontaktteile
Insulator	PTFE	Isolator
Crimping ferrules	copper alloy	Krimphülse
Gaskets	Rubber	Dichtungen
Plating body contact area	Au	Oberfläche Kontaktzone Außenleiter
Plating center contact area	Au	Oberfläche Kontaktzone Innenleiter

CABLE CONNECTORS

1. SEMI-RIGID CABLE

STRAIGHT PLUG, Solder

STECKER, löt

Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std.-C39012	Remarks
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without pin, without insulator
gold plated

32 S 101-272 D3	1	72	32 A1	/92-4001	a = 8.4
32 S 103-272 D3	1	72	32 A1		a = 11.5

stainless steel

32 S 121-272 S3	1	72	32 A1	/92-3001	a = 8.4
32 S 123-272 S3	1	72	32 A1		a = 11.5

economy

32 S 141-272 N3		72	32 A1		a = 8.4
32 S 143-272 N3		72	32 A1		a = 11.5



STRAIGHT PLUG, Solder

STECKER, löt

Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std.-C39012	Remarks
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soldered center contact
gold plated

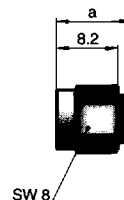
32 S 101-270 D3	3	70	32 A11		a = 14.7
32 S 102-271 D3	2	71	32 A6	/79-4005	a = 11.2
32 S 102-272 D3	1	72	32 A3	/79-4006	a = 11.2

stainless steel

32 S 121-270 S3	3	70	32 A11		a = 14.7
32 S 122-271 S3	2	71	32 A6	/79-3005	a = 11.2
32 S 122-272 S3	1	72	32 A3	/79-3006	a = 11.2
32 C 068-271 S3	2	71	32 A6		a = 9.5
32 C 081-272 S3	1	72	32 A3		a = 8.7

economy

32 S 142-271 N3		71	32 A6		a = 11.2
32 S 142-272 N3		72	32 A3		a = 11.2

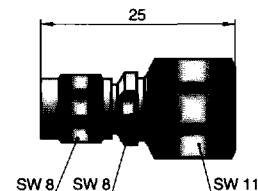


STRAIGHT PLUG, Clamp

STECKER gerade, klemm

Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std.-C39012	Remarks
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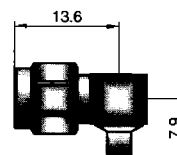
32 S 106-073 D3	1	73	32 C1		captivated center conductor
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RIGHT ANGLE PLUG, Solder

WINKELSTECKER, löt

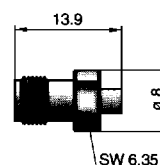
Part Number	VSWR Class	Cable Group	Assembly instruction	MIL-Std.-C39012	Remarks
32 S 206-271 D3	3	71	32 E 1	/80-4007	captivated center conductor
32 S 206-272 D3	3	72	32 E 1	/80-4008	captivated center conductor



STRAIGHT JACK, Solder

KUPPLER gerade, löt

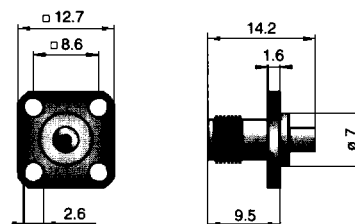
Part Number	VSWR Class	Cable Group	Assembly instruction	MIL-Std.-C39012	Remarks
32 K 101-271 D3	3	71	32 A4	/81-4005	
32 K 101-272 D3	3	72	32 A5	/81-4006	



FLANGE JACK, Solder

FLANSCHKUPPLER, löt

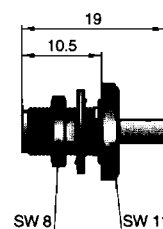
Part Number	VSWR Class	Cable Group	Assembly instruction	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 401-271 D3	3	71	32 A4	/82-4005	B 55	
32 K 401-272 D3	3	72	32 A5	/82-4006	B 55	



BULKHEAD JACK, Solder

GEHÄUSEKUPPLER, löt

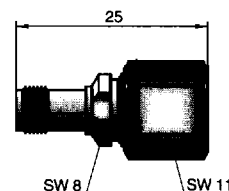
Part Number	VSWR Class	Cable Group	Assembly instruction	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 601-271 D3	3	71	32 A5	/81-4005	B 56	
32 K 601-272 D3	3	72	32 A5	/81-4006	B 56	



STRAIGHT JACK, Clamp

KUPPLER gerade, klemm

Part Number	VSWR Class	Cable Group	Assembly instruction	MIL-Std.-C39012	Remarks
32 K 106-073 D3	1	73	32 C1		



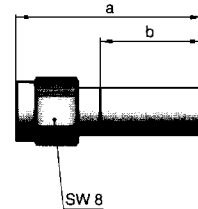
CABLE CONNECTORS

2. FLEXIBLE CABLE

STRAIGHT PLUG, Solder-Crimp

STECKER, löt-crimp

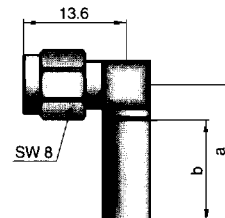
Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std.-C39012	Crimp-Inserts	Remarks
gold plated						
32 S 106-302 D3	6	02	32 B1	/55-4026	11 W 150-102	a = 22.2; b = 11
32 S 106-303 D3	5	03	32 B1		11 W 150-103	a = 22.2; b = 11
32 S 106-306 D3	5	06	32 B1	/55-4029	11 W 150-106	a = 21.7; b = 10.5
32 S 106-307 D3	5	07	32 B1	/55-4028	11 W 150-106	a = 24.7 b = 13.5
stainless steel						
32 S 126-302 S3	6	02	32 B1	/55-3026	11 W 150-102	a = 22.2; b = 11
32 S 126-303 S3	5	03	32 B1		11 W 150-103	a = 22.2; b = 11
32 S 126-306 S3	5	06	32 B1	/55-3029	11 W 150-106	a = 21.7; b = 10.5
32 S 126-307 S3	5	07	32 B1	/55-3028	11 W 150-106	a = 24.7 b = 13.5
economy						
32 S 146-302 N3		02	32 B1		11 W 150-102	a = 22.2; b = 11
32 S 146-306 N3		06	32 B1		11 W 150-106	a = 21.7; b = 10.5
32 S 146-307 N3		07	32 B1		11 W 150-106	a = 24.7 b = 13.5



RIGHT ANGLE PLUG, Solder-Crimp

WINKELSTECKER, löt-crimp

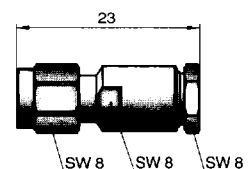
Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std.-C39012	Crimp-Inserts	Remarks
gold plated						
32 S 206-302 D3	6	02	32 B3	/56-4026	11 W 150-102	a = 15.7; b = 11
32 S 206-303 D3	5	03	32 B3		11 W 150-103	a = 15.7; b = 11
32 S 206-306 D3	5	06	32 B3	/56-4029	11 W 150-106	a = 15.2; b = 10.5
32 S 206-307 D3	5	07	32 B3	/56-4028	11 W 150-106	a = 18.2 b = 13.5
stainless steel						
32 S 226-302 S3	6	02	32 B3	/56-3026	11 W 150-102	a = 15.7; b = 11
32 S 226-303 S3	5	03	32 B3		11 W 150-103	a = 15.7; b = 11
32 S 226-306 S3	5	06	32 B3	/56-3029	11 W 150-106	a = 15.2; b = 10.5
32 S 226-307 S3	5	07	32 B3	/56-3028	11 W 150-106	a = 18.2 b = 13.5
economy						
32 S 246-302 N3		02	32 B3		11 W 150-102	a = 15.7; b = 11
32 S 246-303 N3		03	32 B3		11 W 150-103	a = 15.7; b = 11
32 S 246-306 N3		06	32 B3		11 W 150-106	a = 15.2; b = 10.5
32 S 246-307 N3		07	32 B3		11 W 150-106	a = 18.2 b = 13.5



STRAIGHT PLUG, Clamp

STECKER, klemm

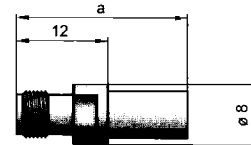
Part Number	VSWR Class	Cable Group	Assembly Instruction	Remarks
32 S 106-002 D3	6	02/03	32 D1	
32 S 106-006 D3	5	06/07	32 D1	



STRAIGHT JACK, Solder-Crimp

KUPPLER, löt-crimp

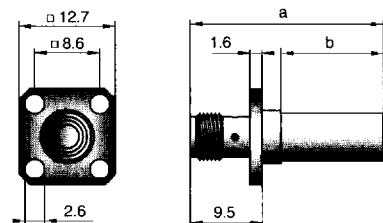
Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp-Inserts	Remarks
gold plated						
32 K 106-302 D3	6	02	32 B1	/57-4026	11 W 150-102	a = 23
32 K 106-306 D3	5	06	32 B1	/57-4029	11 W 150-106	a = 22.5
32 K 106-307 D3	5	07	32 B1	/57-4028	11 W 150-106	a = 25.5
stainless steel						
32 K 126-302 S3	6	02	32 B1	/57-3026	11 W 150-102	a = 23
32 K 126-306 S3	5	06	32 B1	/57-3029	11 W 150-106	a = 22.5
32 K 126-307 S3	5	07	32 B1	/57-3028	11 W 150-106	a = 25.5



FLANGE JACK, Solder-Crimp

FLANSCHKUPPLER, löt-crimp

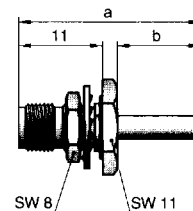
Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std. C39012	Panel Piercing	Crimp-Inserts	Remarks
gold plated							
32 K 406-302 D3	6	02	32 B1	/58-4026	B 55	11 W 150-102	a = 23; b = 11
32 K 406-306 D3	5	06	32 B1	/58-4029	B 55	11 W 150-106	a = 22.5; b = 10.5
32 K 406-307 D3	5	07	32 B1	/58-4028	B 55	11 W 150-106	a = 25.5; b = 13.5
stainless steel							
32 K 426-302 S3	6	02	32 B1	/58-3026	B 55	11 W 150-102	a = 23; b = 11
32 K 426-306 S3	5	06	32 B1	/58-3029	B 55	11 W 150-106	a = 22.5; b = 10.5
32 K 426-307 S3	5	07	32 B1	/58-3028	B 55	11 W 150-106	a = 25.5; b = 13.5



BULKHEAD JACK, Solder-Crimp

GEHÄUSEKUPPLER, löt-crimp

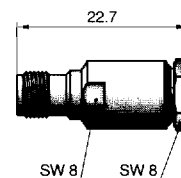
Part Number	VSWR Class	Cable Group	Assembly Instruction	Panel Piercing	Crimp-Inserts	Remarks
gold plated						
32 K 606-302 D3	6	02	32 B1	B 57	11 W 150-102	a = 24; b = 11
32 K 606-303 D3	6	03	32 B1	B 57	11 W 150-103	a = 24; b = 11
32 K 606-306 D3	6	06	32 B1	B 57	11 W 150-106	a = 23.5; b = 10.5
32 K 606-307 D3	6	07	32 B1	B 57	11 W 150-106	a = 26.5; b = 13.5
stainless steel						
32 K 626-302 D3	6	02	32 B1	B 57	11 W 150-102	a = 24; b = 11
32 K 626-303 D3	6	03	32 B1	B 57	11 W 150-103	a = 24; b = 11
32 K 626-306 D3	6	06	32 B1	B 57	11 W 150-106	a = 23.5; b = 10.5
32 K 626-307 D3	6	07	32 B1	B 57	11 W 150-106	a = 26.5; b = 13.5



STRAIGHT JACK, Clamp

KUPPLER, klemm

Part Number	VSWR Class	Cable Group	Assembly Instruction	MIL-Std. C39012	Remarks
32 K 106-002 D3	6	02/03	32 D1		
32 K 106-006 D3	5	06/07	32 D1		



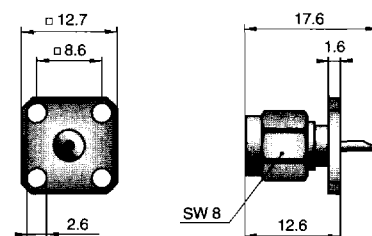
PANEL AND BULKHEAD CONNECTORS

1. SOLDER AND COAXIAL VERSION

PANEL PLUG Solder Pot

GEHÄUSESTECKER mit Lötstift

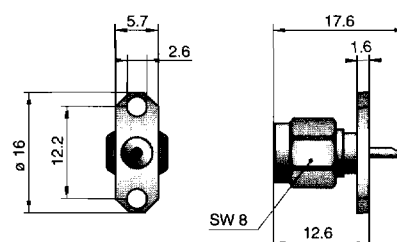
Part Number	VSWR Class	Panel Piercing	Remarks
32 S 401-200 D3	1	B 55	
32 S 421-200 S3	1	B 55	stainless steel



PANEL PLUG Solder Pot

GEHÄUSESTECKER mit Lötstift

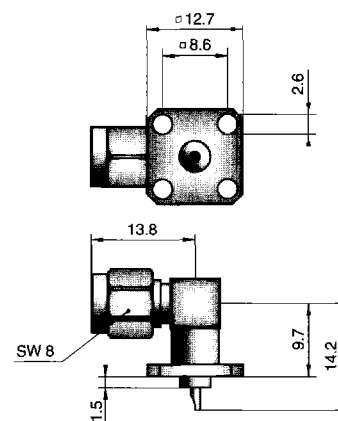
Part Number	VSWR Class	Panel Piercing	Remarks
32 S 701-200 D3	1	B 55	
32 S 721-200 S3	1	B 55	stainless steel



RIGHT ANGLE PANEL PLUG Solder Pot

WINKEL-GEHÄUSESTECKER mit Lötstift

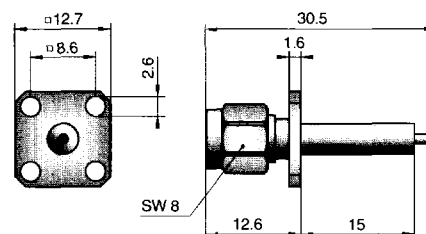
Part Number	VSWR Class	Panel Piercing	Remarks
32 S 221-200 S3		B 55	stainless steel



PANEL PLUG Straight Terminal

GEHÄUSESTECKER mit Durchführung

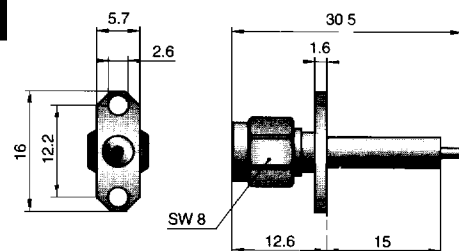
Part Number	VSWR Class	Panel Piercing	Remarks
32 S 422-500 S3	1	B 55	stainless steel



PANEL PLUG Straight Terminal

GEHÄUSESTECKER mit Durchführung

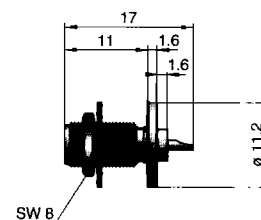
Part Number	VSWR Class	Panel Piercing	Remarks
32 S 722-500 S3	1	B 55	stainless steel



BULKHEAD JACK Solder Pot

GEHÄUSEKUPPLER mit Lötstift

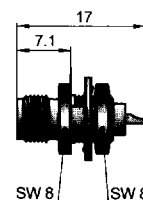
Part Number	VSWR Class	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 521-200 S3	1	/61-3001	B 57	stainless steel, rear mounting



BULKHEAD JACK Solder Pot

GEHÄUSEKUPPLER mit Lötstift

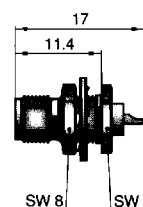
Part Number	VSWR Class	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 622-200 S3	1	/61-3002	B 57	stainless steel, front mounting



BULKHEAD JACK Solder Pot

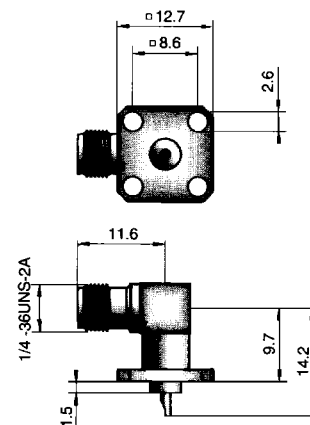
GEHÄUSEKUPPLER mit Lötstift

Part Number	VSWR Class	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 603-200 D3	1	/61-4003	B 56	rear mounting
32 K 623-200 S3	1	/61-3003	B56	stainless steel, rear mounting
32 K 643-200 N3			B 56	low cost, rear mounting



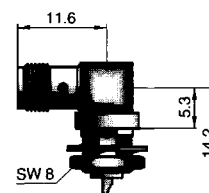
RIGHT ANGLE FLANGE JACK Solder Pot *GEHÄUSE-WINKELKUPPLER mit Lötstift*

Part Number	Panel Piercing	Remarks
32 K 221-200 S3	B 55	stainless steel



RIGHT ANGLE BULKHEAD JACK Solder Pot *GEHÄUSE-WINKELKUPPLER mit Lötstift*

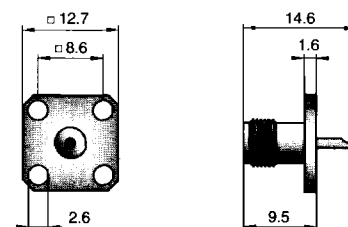
Part Number	Panel Piercing	Remarks
32 K 222-200 S3	B 56	stainless steel



PANEL JACK Solder Pot

GEHÄUSEKUPPLER mit Lötstift

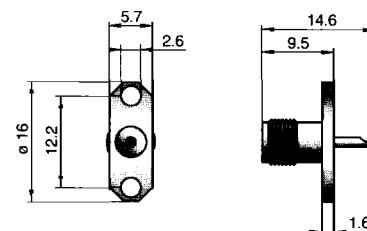
Part Number	VSWR Class	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 401-200 D3	1	/60-4001	B 55	
32 K 421-200 S3	1	/60-3001	B 55	stainless steel
32 K 40A-200 E3			B 55	low cost



PANEL JACK Solder Pot

GEHÄUSEKUPPLER mit Lötstift

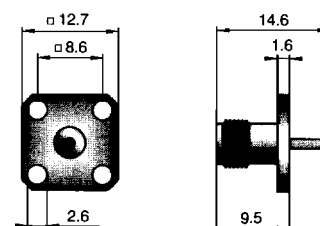
Part Number	VSWR Class	MIL-Std.-C39012	Panel Piercing	Remarks
32 K 701-200 D3	1	/60-4002	B 55	
32 K 721-200 S3	1	/60-3002	B 55	stainless steel
32 K 741-200 N3			B 55	low cost



PANEL JACK Straight Terminal

GEHÄUSEDURCHFÜHRUNGS-KUPPLER

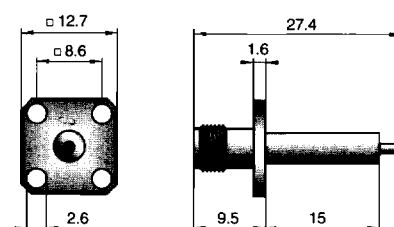
Part Number	VSWR Class	Panel Piercing	Remarks
32 K 421-500 S3	1	B 55	stainless steel



PANEL JACK Straight Terminal

GEHÄUSEDURCHFÜHRUNGS-KUPPLER

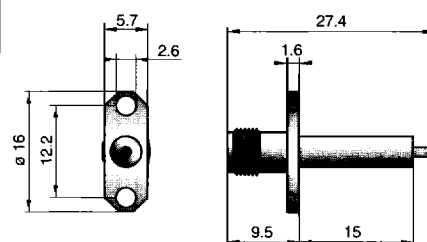
Part Number	VSWR Class	Panel Piercing	Remarks
32 K 402-500 D3	1	B 55	captivated center contact
32 K 422-500 S3	1	B 55	captivated center contact, stainless steel



PANEL JACK Straight Terminal

GEHÄUSEDURCHFÜHRUNGS-KUPPLER

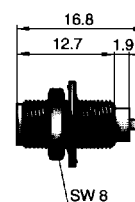
Part Number	VSWR Class	Panel Piercing	Remarks
32 K 702-500 D3	1	B 55	captivated center contact
32 K 722-500 S3	1	B 55	captivated center contact, stainless steel



BULKHEAD JACK Straight Terminal

GEHÄUSEDURCHFÜHRUNGS-KUPPLER

Part Number	VSWR Class	Panel Piercing	Remarks
32 K 121-500 S3	1	1/4-36 UNS-2A	
32 K 141-500 N3		1/4-36 UNS-2A	



PANEL AND BULKHEAD CONNECTORS

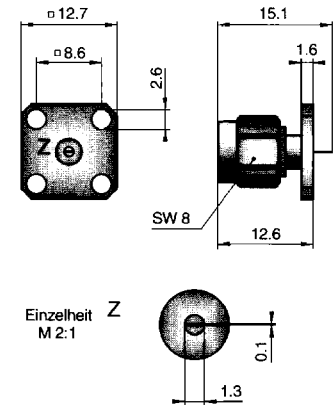
1. STRIPLINE AND MICROSTRIP LAUNCHERS

Transitions SMA to stripline, microstrip etc. have mechanical sizes according to MIL M83517

PANEL PLUG Stripline

GEHÄUSESTECKER, Stripline

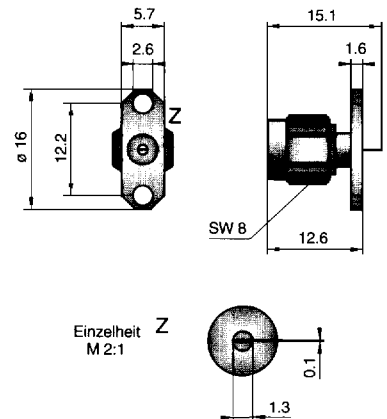
Part Number	VSWR Class	MIL-Std.	Panel Piercing	Remarks
32 S 421-600 S3	1	M 83517/2	B 55	stainless steel



PANEL PLUG Stripline

GEHÄUSESTECKER, Stripline

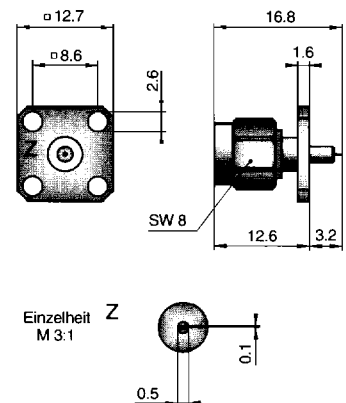
Part Number	VSWR Class	MIL-Std.	Panel Piercing	Remarks
32 S 721-600 S3	1	M 83517/2	B 55	stainless steel



PANEL PLUG Stripline

GEHÄUSESTECKER, Stripline

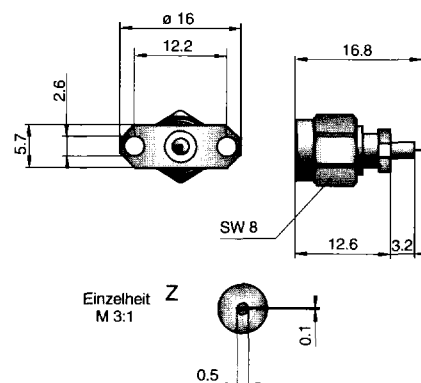
Part Number	VSWR Class	MIL-Std.	Panel Piercing	Remarks
32 S 424-600 S3	1	M 83517/4	B 55	stainless steel



PANEL PLUG Stripline

GEHÄUSESTECKER, Stripline

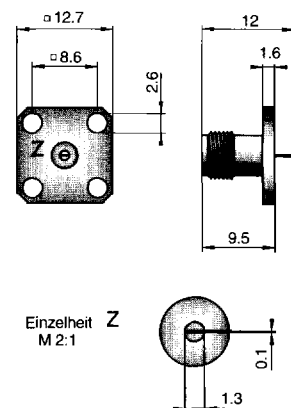
Part Number	MIL-Std.	Panel Piercing	Remarks
32 S 724-600 S3	M 83517/4	B 55	stainless steel



PANEL JACK, Stripline

GEHÄUSEKUPPLER, Stripline

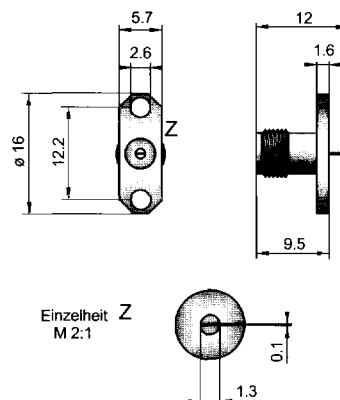
Part Number	MIL-Std.	Panel Piercing	Remarks
32 K 421-600 S3	M 83517/1	B 55	stainless steel
32 K 441-600 N3		B 55	low cost



PANEL JACK, Stripline

GEHÄUSEKUPPLER, Stripline

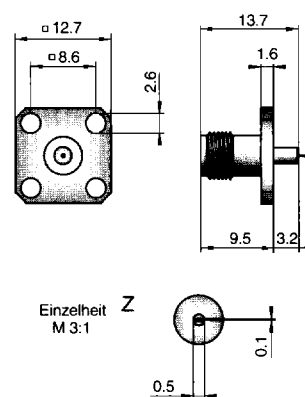
Part Number	MIL-Std.	Panel Piercing	Remarks
32 K 721-600 S3	M 83517/1	B 55	stainless steel



PANEL JACK, Stripline

GEHÄUSEKUPPLER, Stripline

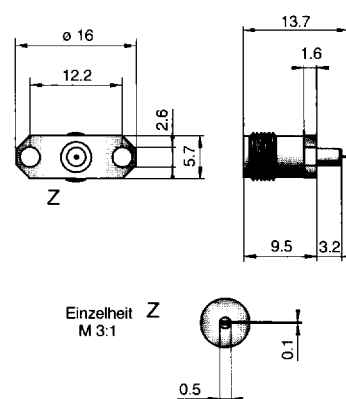
Part Number	VSWR Class	Panel Piercing	Remarks
32 K 424-600 S3	1	B 55	stainless steel



PANEL JACK, Stripline

GEHÄUSEKUPPLER, Stripline

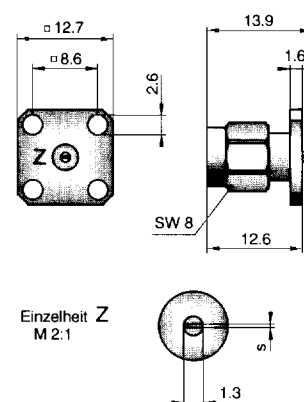
Part Number	VSWR Class	Panel Piercing	Remarks
32 K 724-600 S3	1	B 55	stainless steel



PANEL PLUG, Microstrip

GEHÄUSESTECKER Microstrip

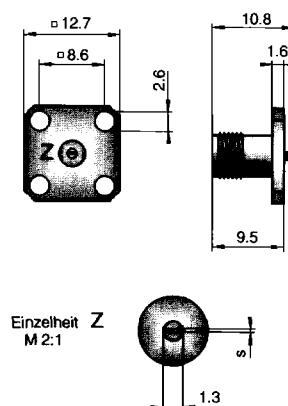
Part Number	Panel Piercing	Remarks
32 S 421-700 S3	B 55	stainless steel, s = 0.3
32 S 422-700 S3	B 55	stainless steel, s = 0.5
32 S 423-700 S3	B 55	stainless steel, s = 0.7



PANEL JACK, Microstrip

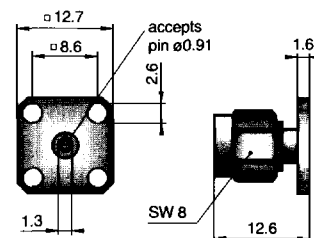
GEHÄUSEKUPPLER, Microstrip

Part Number	Panel Piercing	Remarks
32 K 421-700 S3	B 55	stainless steel, s = 0.3
32 K 422-700 S3	B 55	stainless steel, s = 0.5
32 K 423-700 S3	B 55	stainless steel, s = 0.7



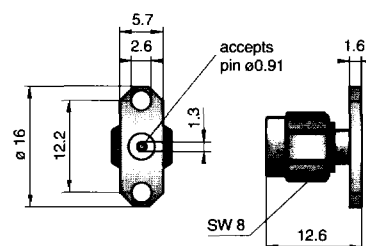
PANEL PLUG, Stripline and Microstrip **GEHÄUSESTECKER, Stripline und Microstrip**

Part Number	MIL-Std.	Panel Piercing	Remarks
32 S 422-800 S3	M 83517/11	B 55	stainless steel



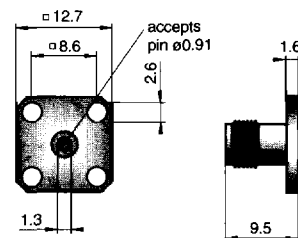
PANEL PLUG, Stripline and Microstrip **GEHÄUSESTECKER, Stripline und Microstrip**

Part Number	Panel Piercing	Remarks
32 S 722-800 S3	B 55	stainless steel



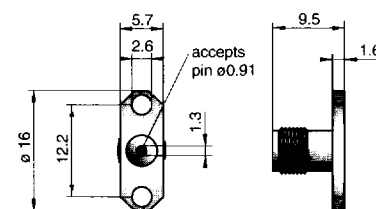
PANEL JACK, Stripline and Microstrip **GEHÄUSEKUPPLER, Stripline und Microstrip**

Part Number	VSWR Class	MIL-Std.	Panel Piercing	Remarks
32 K 424-800 S3	1	M 83517/10	B 55	stainless steel



PANEL JACK, Stripline and Microstrip *GEHÄUSEKUPPLER, Stripline und Microstrip*

Part Number	MIL-Std	Panel Piercing	Remarks
32 K 724-800 S3	M 83517/10	B 55	stainless steel

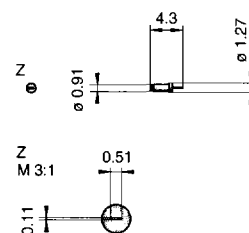


TRANSITION PINS

ÜBERGANGSSTIFTE

Part Number	VSWR Class	Cat	MIL-Std.	Remarks
32 Z 103-600	1	A	/11-33007	fig. A

fig. A

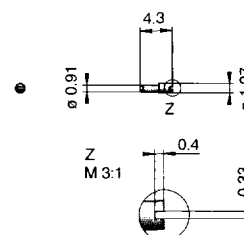


TRANSITION PINS

ÜBERGANGSSTIFTE

Part Number	VSWR Class	Cat	MIL-Std.	Remarks
32 Z 101-700	1	B	/11-33009	fig. B

fig. B

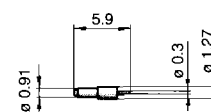


TRANSITION PINS

ÜBERGANGSSTIFTE

Part Number	VSWR Class	Cat	MIL-Std.	Remarks
32 Z 101-500	1	C	/11-33012	fig. C

fig. C

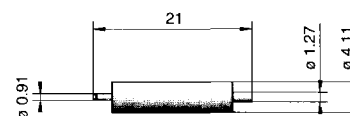


TRANSITION PINS

ÜBERGANGSSTIFTE

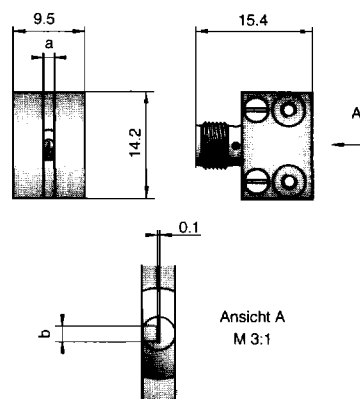
Part Number	VSWR Class	Cat	MIL-Std.	Remarks
32 Z 106-500	1	D	/11-33014	fig. D

fig. D



END LAUNCH JACK STRIPLINE Direct Mount

Part Number	VSWR Class	MIL-Std. M 83517/9	Remarks
32 K 901-600 D3	1	-31001	a = 1.5, b = 0.64
32 K 902-600 D3	1	-31002	a = 3.1, b = 1.27
32 K 903-600 D3	1	-31003	a = 6.3, b = 1.27



PANEL AND BULKHEAD CONNECTORS

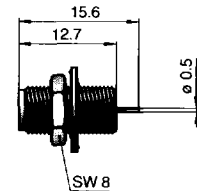
3. HERMETIC SEALED CONNECTOR

Rosenberger SMA hermetic are sealed with a glass feedthru matched to 50 Ω . Leakage rate < 10⁻⁸ cc/sec. Pressure max. 2 N/mm²

BULKHEAD JACK, Spark Plug

GEHÄUSEDURCHFÜHRUNG, Spark Plug

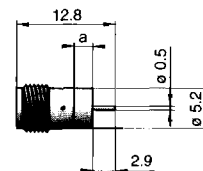
Part Number	Panel Piercing	Remarks
32 K 101-SH0 D3	1/4-36 UNS-2A	



BULKHEAD JACK, Solder Mount

GEHÄUSEDURCHFÜHRUNG zum Einlöten

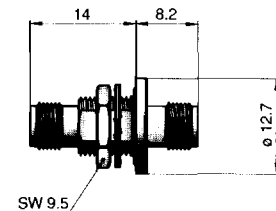
Part Number	Ø	Remarks
32 K 102-SH0 D3	5.2	a = 2.4
32 K 103-SH0 D3	5.2	a = 3.2
32 K 104-SH0 D3	5.2	a = 4.8



BULKHEAD JACK ADAPTOR

GEHÄUSEVERBINDER

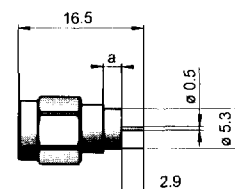
Part Number	VSWR Class	Remarks
32 K 101 -KH0 D3	DC - 18 GHz VSWR max. 1.3	panel thickness max. 4.8 mm



BULKHEAD PLUG, Panel Solder Mount

GEHÄUSEDURCHFÜHRUNG zum Einlöten

Part Number	Remarks
32 S 102-SH0 D3	a = 2.4
32 S 103-SH0 D3	a = 3.2
32 S 104-SH0 D3	a = 4.8

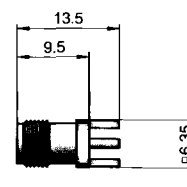


CONNECTORS FOR PC-BOARDS

STRAIGHT JACK

KUPPLER gerade

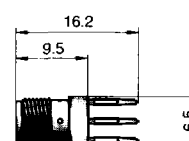
Part Number	MIL-Std.	Panel Piercing	Remarks
32 K 101-400 D3	/93-4001	B 30	
32 K 10A-400 E3		B 30	low cost



STRAIGHT PRESS-FIT JACK

PRESS-FIT KUPPLER gerade

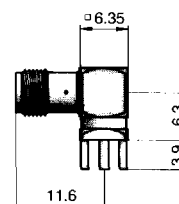
Part Number	Panel Piercing	Remarks
32 K 101-40P D3	B 79	



RIGHT ANGLE JACK

WINKELKUPPLER

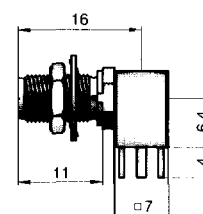
Part Number	MIL-Std.	Panel Piercing	Remarks
32 K 201-400 D3	/94-4001	B 30	
32 K 241-400 N3		B 30	low cost



RIGHT ANGLE JACK

WINKELKUPPLER

Part Number	Panel Piercing	Remarks
32 K 246-400 D3	B 30	

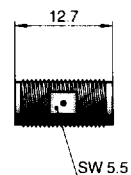


ADAPTORS

STRAIGHT ADAPTOR

VERBINDER gerade

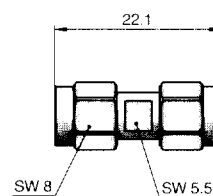
Part Number	VSWR Class	Remarks
32 K 101-K00 D3	1	
32 K 121-K00 S3	1	stainless steel



STRAIGHT ADAPTOR

VERBINDER gerade

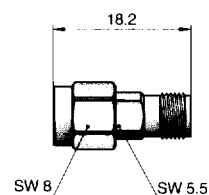
Part Number	VSWR Class	Remarks
32 S 103-S00 D3	1	
32 S 123-S00 S3	1	stainless steel



STRAIGHT ADAPTOR

VERBINDER gerade

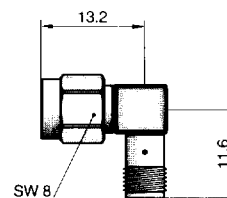
Part Number	VSWR Class	Remarks
32 S 105-K00 D3	1	
32 S 125-K00 S3	1	stainless steel



RIGHT ANGLE ADAPTOR

WINKELVERBINDER

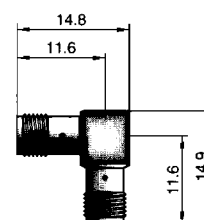
Part Number	VSWR Class	Remarks
32 S 201-K00 D3	DC - 6 GHz VSWR max. 1.25	
32 S 221-K00 S3	DC - 6 GHz VSWR max. 1.25	stainless steel



RIGHT ANGLE ADAPTOR

WINKELVERBINDER

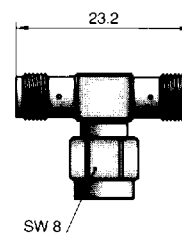
Part Number	VSWR Class	Remarks
32 K 201-K00 D3	DC - 6 GHz VSWR max. 1.25	
32 K 221-K00 S3	DC - 6 GHz VSWR max. 1.25	stainless steel



T-ADAPTOR

T-VERBINDER

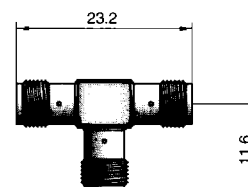
Part Number	VSWR Class	Remarks
32 S 301-K00 D3	DC - 6 GHz VSWR max. 1.25	
32 S 321-K00 S3	DC - 6 GHz VSWR max. 1.25	stainless steel



T-ADAPTOR

T-VERBINDER

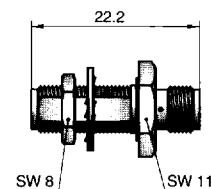
Part Number	VSWR Class	Remarks
32 K 301-K00 D3	DC - 6 GHz VSWR max. 1.25	
32 K 321-K00 S3	DC - 6 GHz VSWR max. 1.25	stainless steel



BULKHEAD ADAPTOR

GEHÄUSEVERBINDER

Part Number	VSWR Class	Remarks
32 K 601-K00 D3	DC - 6 GHz VSWR max. 1.25	panel thickness max. 6.4 mm
32 K 621-K00 S3	DC - 6 GHz VSWR max. 1.25	panel thickness max. 6.4 mm, stainless steel

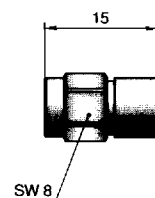


ACCESSORIES

TERMINATION, PLUG

ABSCHLUSSWIDERSTAND, STECKER

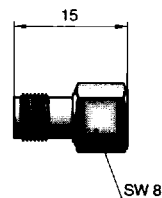
Part Number	VSWR Class	Remarks
32 S 17R-0.5 D3	2	
32 S 15R-0.5 D3		4 GHz, economic



TERMINATION, JACK

ABSCHLUSSWIDERSTAND, KUPPLER

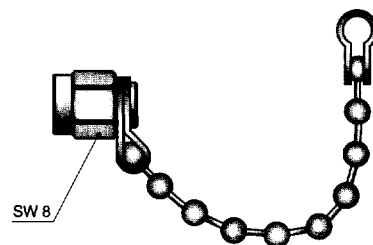
Part Number	VSWR Class	Remarks
32 K 17R-0.5 D3	2	
32 K 15R-0.5 D3		4 GHz, economic



PROTECTION CAP with Chain

SCHUTZKAPPE mit Kette

Part Number	VSWR Class	Remarks
32 Z 112-000 D		with seal



SHORT

KURZSCHLUSS

Part Number	VSWR Class	Remarks
32 Z 111-000 D3		plug
32 Z 114-000 D3		jack

