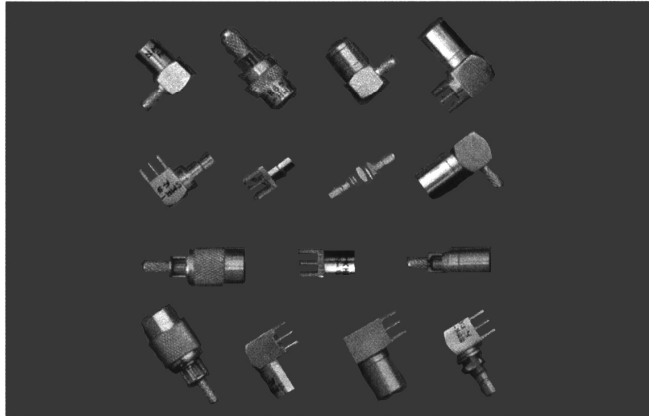


SERIES SMB RF COAXIAL CONNECTORS



SMB connectors manufactured by CERNEX are designed specially to ensure fast reliable connection. The SMB coaxial connector is recommended for applications with high packing density.

Key performance

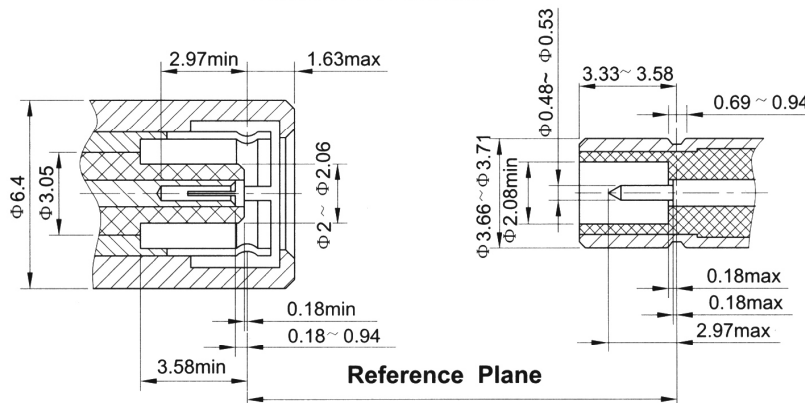
Characteristic impedance: $50\ \Omega$
 Frequency range:
 With flexible cable: 0~12.4GHz
 With semi-rigid/comfortable cable: 0~18GHz
 Contact resistance:
 center conductor : $\leq 3.0\text{m}\ \Omega$
 out conductor : $\leq 2.0\text{m}\ \Omega$
 Insulation resistance : $\geq 5000\text{M}\ \Omega$
 Insulator voltage withstanding : 1000V
 VSWR : with flexiable cable :
 $\leq 1.15+0.02\text{f}$
 with semi-rigid/flexible cable:
 $\leq 1.10+0.01\text{f}$
 Connector durability : 500

Applicable spec/std: MIL-C-39012

Material

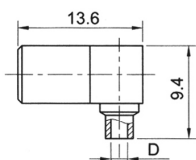
Center contacts:
 Male---brass, gold plated.
 Female---beryllium copper, gold plated
 Bodies other metal parts:
 brass, gold plated
 Insulators: Teflon
 Crimp ferrule: copper, nickel plated.
 Gasket and seal rings: silicone rubber
 Heat-shrink tubing: thermofit plastic.
 For passivated stainless steel versions,
 add "G" after the P/N.

Interface Dimensions



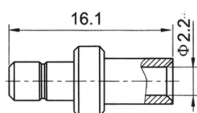
SMB SERIES

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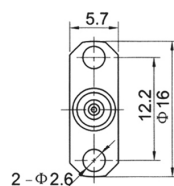
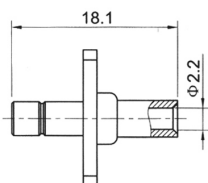
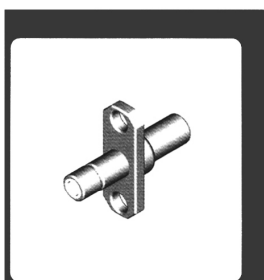
Type part number suitable cable D Note

SMB-KWB1	0440-6601	B1	$\Phi 1.3$ matching outer contact
SMB-KWB2	0440-6602	B2	$\Phi 2.2$
SMB-KWB3	0440-6603	B3	$\Phi 3.6$



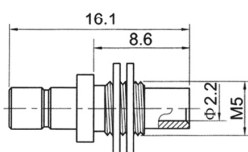
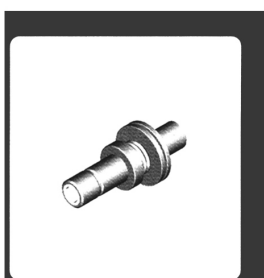
Type part number suitable cable Note

SMB-JB2	0410-6601	B2	
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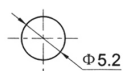


Type part number suitable cable Note

SMB-JFB2	0410-1601	B2	
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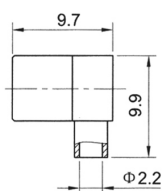
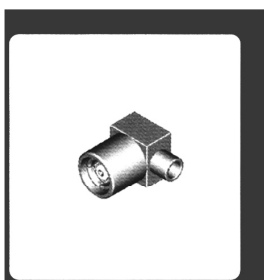


mounting hole



Type part number suitable cable Note

SMB-JYB2	0410-2601	B2	
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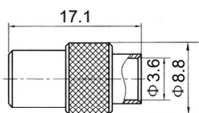


Type part number suitable cable Note

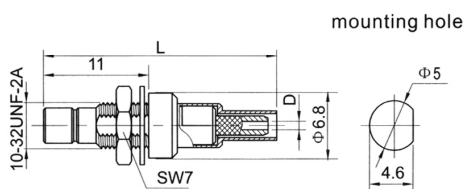
SMB-KWB2N	0440-6604	B2	nickel plated matching outer contact
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SMB SERIES

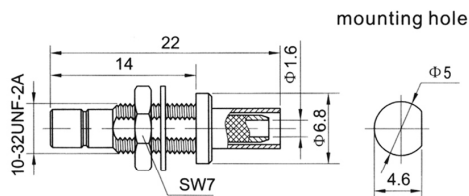
CERNEX, Inc.



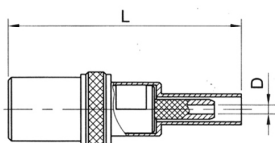
Type	part number	suitable cable	Note
SMB-KB3	0420-6601	B3	



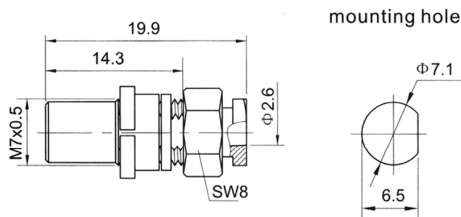
Type	part number	suitable cable	L	D	Note
SMB-JY2	0410-2501	2	24	Φ0.9	
SMB-JY3-1	0410-2504	3	27.3	Φ1.6	



Type	part number	suitable cable	Note
SMB-JY3	0410-2503	3	



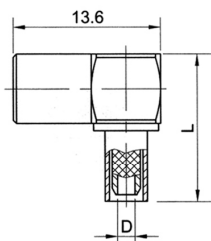
Type	part number	suitable cable	L	D	Note
SMB-K2	0420-6501	2	23.2	Φ0.9	
SMB-K3	0420-6502	3	22.7	Φ1.6	
SMB-K3-B	0420-6504	3	24.2	Φ1.6	
SMB-K3C	0420-6506	3	33	Φ1.6	matching outer contact
SMB-K4	0420-6507	4	21	Φ2.3	
SMB-K5	0420-6508	5	26.2	Φ3.1	



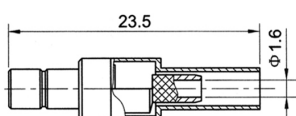
Type	part number	suitable cable	Note
SMB-KY2	0420-2502	2	

SMB SERIES

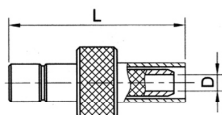
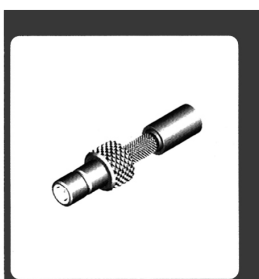
CERNEX, Inc.



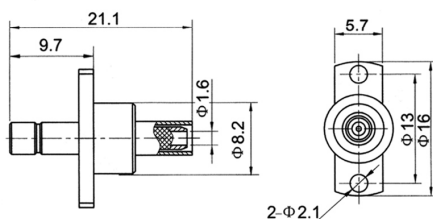
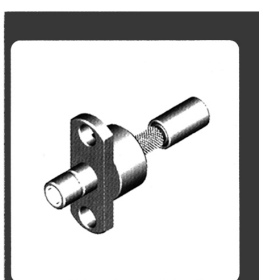
Type	part number	suitable cable	L	D	Note
SMB-KW2	0440-6501	2	13.7	Φ0.9	
SMB-KW2A	0440-6502	2	13.7	Φ0.9	matching outer contact
SMB-KW3	0440-6503	3	13.1	Φ1.6	
SMB-KW3A-1	0440-6505	3	14.3	Φ1.6	matching outer contact
SMB-KW3C	0440-6507	3A	16.2	Φ1.6	matching outer contact
SMB-KW4	0440-6508	4	15.8	Φ2.3	
SMB-KW5	0440-6504	5	19.8	Φ3.1	



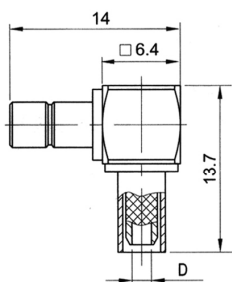
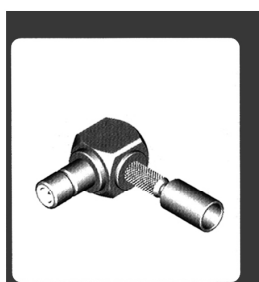
Type	part number	suitable cable	Note
SMB-J3	0410-6501	3	



Type	part number	suitable cable	L	D	Note
SMB-J3A	0410-6502	3	16.4	Φ1.6	
SMB-J5A	0410-6503	5	25.5	Φ3.1	



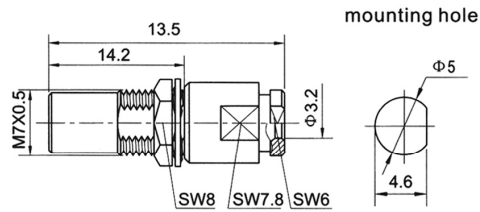
Type	part number	suitable cable	Note
SMB-JF3A	0410-0002	3	



Type	part number	suitable cable	D	Note
SMB-JW2	0430-6501	2	Φ0.9	
SMB-JW3	0430-6502	3	Φ1.6	
SMB-JW4	0430-6503	4	Φ2.3	

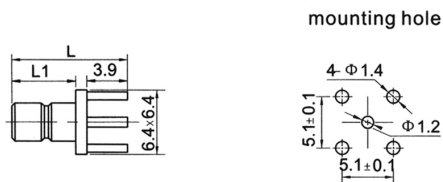
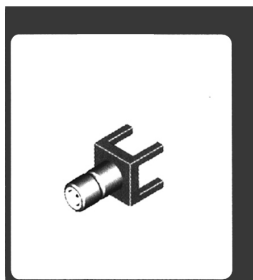
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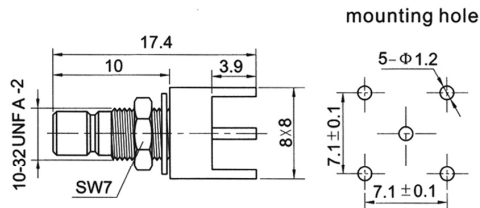
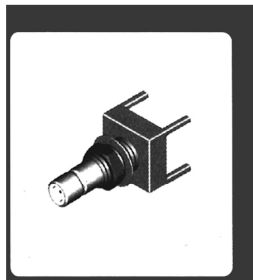
Type	part number	suitable cable	Note
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SMB-KY3A	0420-2504	3	
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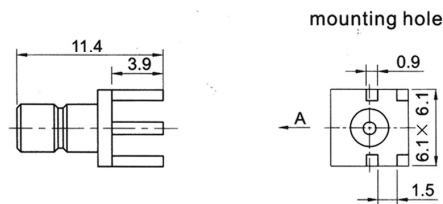
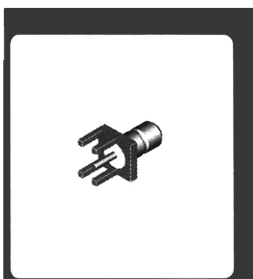
Type	part number	L	L1	Note
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SMB-JHD	0410-5801	11.4	6.3	
SMB-JHDA	0410-5808	10.7	5.6	
SMB-JHD3	0410-5804	18.3	13.2	
SMB-JHD4	0410-5805	13.7	8.6	
SMB-JHD5	0410-5806	9.9	5.2	



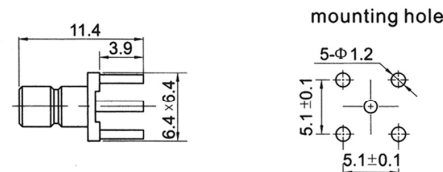
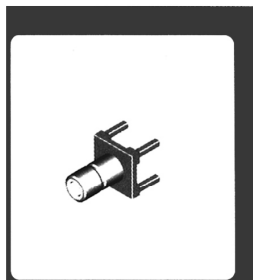
Type	part number	Note
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SMB-JHD1	0410-5802	
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Type	part number	Note
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SMB-JHD2	0410-5803	
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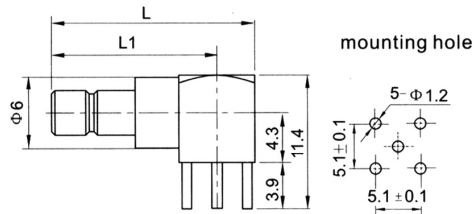


Type	part number	Note
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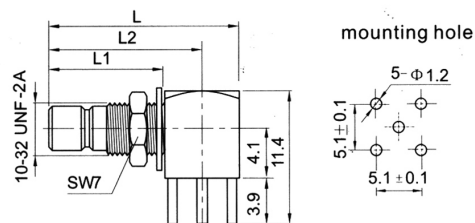
SMB-JHD6	0410-5807	
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SMB SERIES

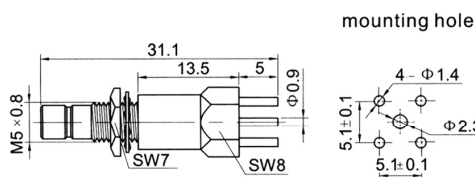
CERNEX, Inc.



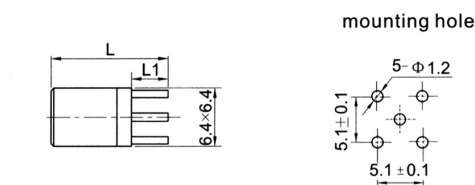
Type	part number	L	L1	Note
SMB-JWHD	0430-5801	15.5	12.3	
SMB-JWHD1	0430-5802	21.6	18.4	
SMB-JWHD2	0430-5803	13.7	10.5	
SMB-JWHD10	0430-5804	15.5	12.3	



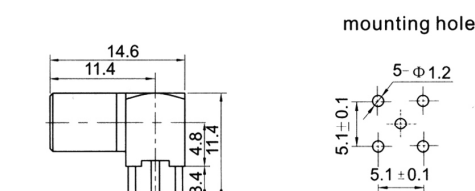
Type	part number	L	L1	L2	Note
SMB-JWHY	0430-7901	17.9	11.5	14.7	
SMB-JWHY1	0430-7902	21.6	15.2	18.4	
SMB-JWHY2	0430-7903	21.6	15.2	18.4	with double nut



Type	part number	Note
SMB-JYHD	0410-7801	



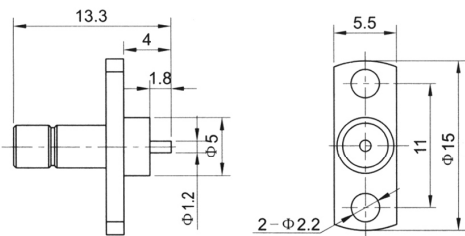
Type	part number	L	L1	Note
SMB-KHD	0420-5801	12.5	3.9	
SMB-KHD1	0420-5802	21.5	2.9	



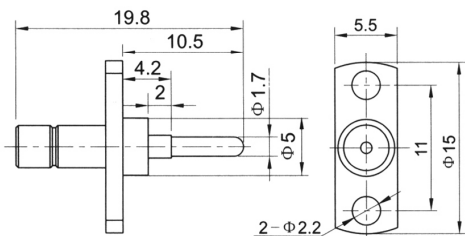
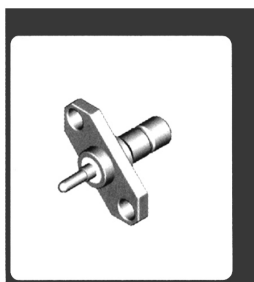
Type	part number	Note
SMB-KWHD	0440-5801	
SMB-KWHD1	0440-5802	with protection cap

SMB SERIES

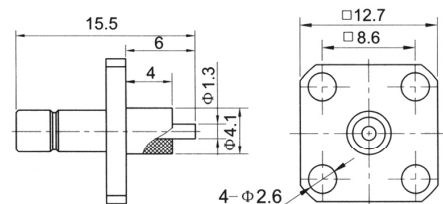
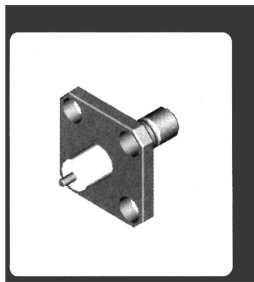
CERNEX, Inc.



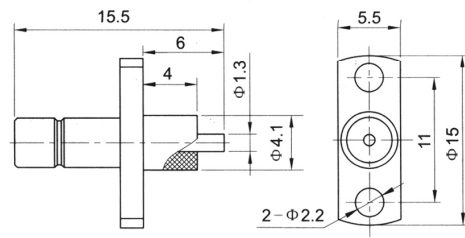
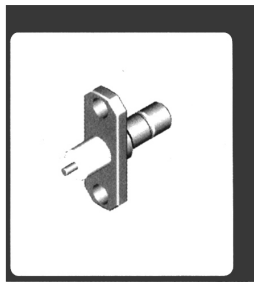
Type	part number	Note
SMB-JFD	0410-0001	



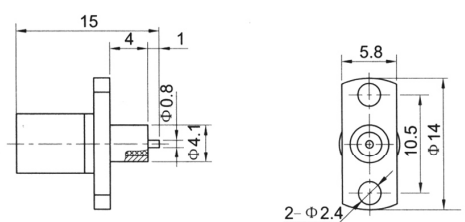
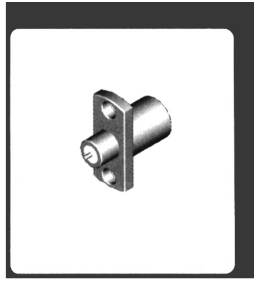
Type	part number	Note
SMB-JFD3	0410-0002	



Type	part number	Note
SMB-JFD21	0410-0002	



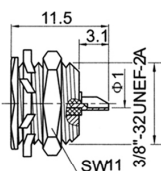
Type	part number	Note
SMB-JFD21A	0420-0002	



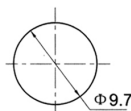
Type	part number	Note
SMB-KFDA	0420-0001	matching outer contact

SMB SERIES

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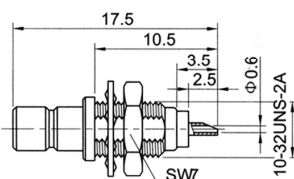
mounting hole



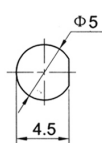
Type part number

Note

SMB-JYA 0410-2901



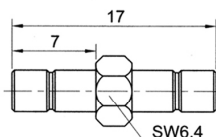
mounting hole



Type part number

Note

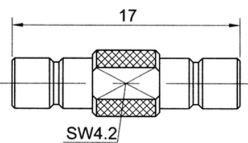
SMB-JYD 0410-2801



Type part number

Note

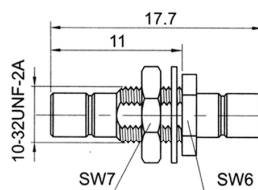
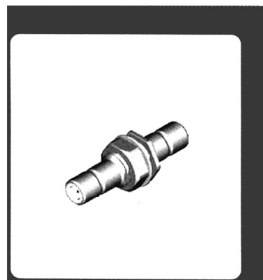
SMB-JJ 0400-6901



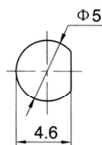
Type part number

Note

SMB-JJA 0400-6902



mounting hole



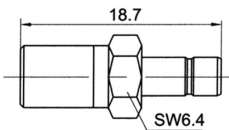
Type part number

Note

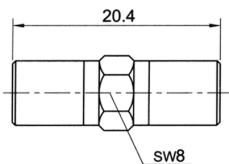
SMB-JJY 0400-2901

SMB SERIES

CERNEX, Inc.



Type	part number	Note
SMB-KJ	0400-6903	



Type	part number	Note
SMB-KK	0400-6904	