

Connector Series JBX FH 1 G 02 F S S D P M	Options M - Backnut for protective boot R - Red Dot (FC, FD, PC, SR, ER, ED, EZ)
Styles Plugs - FC, FD, FF, FM, FN, FG, FH Receptacles - EA, ED, EP, ER, EZ, PC, SA, SR, HD, HH	Contact Sizes P=0.5mm Contact only S=All other contact sizes except 0.5mm
Shell Sizes 0, 1, 2 Contact Souriau for additional sizes	Obligatory Shell Platings N - Brass shell with Chrome over Nickel Plate S - Brass shell with Black Plating
Shell Keyings G, J, A, B - standard (Alternate keying available upon request)	Contact Terminations C - Crimp S - Solder P* - Straight PCB Q* - R/A PCB
Contact Layouts Size 00 - 04 Size 0 - 02, 03, 04, 05, 06, 07, 08, 09 Size 1 - 02, 03, 04, 05, 06, 07, 09, 10, 12 Size 2 - 02, 03, 04, 05, 06, 07, 09, 10, 12, 16, 18, 19 Size 3 - 03, 04, 07, 10, 14, 18, 22, 30	Contact Types M - Male F - Female

* Receptacle with Female contacts only

Technical characteristics

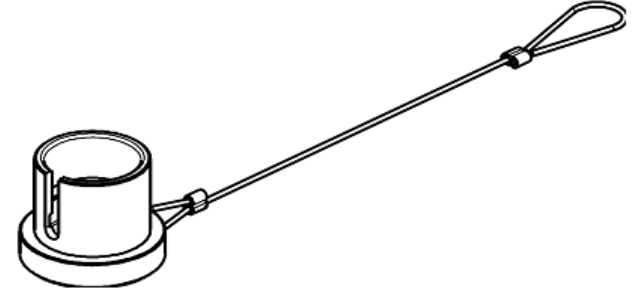
Component	Material	UL recognized		Surface treatment(µm)		
		ISO	ASTM	Cr	Ni	Au
Shielding ring	Brass	CuZn40Pb3	C38500/C36000	-	3 - 7	-
Nut	Brass	CuZn40Pb4	C38500/C36000	-	5 - 8	-
Socket Contact (1)	Cupro-nickel	CuNi1Pb1P	CDAC19150	-	3 - 5	-
Pin Contact (1)	Brass	CuZn35Pb2	C38500/C36000	-	3 - 5	-
Clip	Beryllium copper	CuBe1.9	C17200/C36000	-	-	-

(1) Gold thickness as per MIL-G-45204C type 1, class 00.

Mechanical and climatic

Characteristics	Values	MIL Standard	Method	IEC Standard
Endurance	> 1000 cycles (except for 0.7mm crimp contacts for which endurance is limited to 500 cycles)	MIL-STD-1344A	2016.1	IEC60512-5-9s
Shock	50g duration 6ms; contact Ø0.7mm and 0.9mm 100g. Duration 6ms; contact Ø1.3mm, 1.6mm and 2mm	MIL-STD-1344A	2004.1	
Vibrations	>10 to 2000Hz y = 15g; contact Ø0.7mm and 0.9mm y = 20g; contact Ø1.3mm, 1.6mm and 2mm	MIL-STD-1344A	2005.1	
Protection Index	IP68			IEC60529
Operating Temperature	with plastic collets } -55°C +125°C -67°F +257°F			
	with optional metal collets } -55°C +200°C -67°F +392°F (only on request, consult Souriau)			

Component	Material	Working Temperature	
Insert	PEEK + 15%GF	-50°C +250°C	-58°F +482°F
Collet	PA 6/6 + MoS2	-55°C +125°C	-67°F +257°F



FH : Straight plug - Sealed

Size	00	0	1	2
A	32	37	-	-
ØD	7	10	-	-

Key	Single Key Way	Dual Key Way			
	G	J		A	B*
		Size 0-1	Size 2-3		
Keying angle	0°	45°	37.5°	30°	60°
Plug					

Plug Caps		
Part Number	Shell Size	Ø
JBX BF00	00	-
JBX BF0	0	12
JBX BF1	1	14
JBX BF2	2	18
JBX BF3	3	20

***Coupling torques**

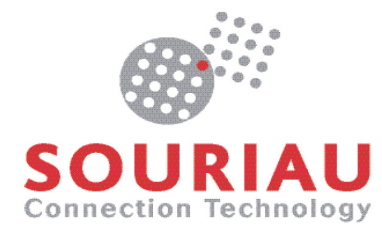
Tools (jaw dimensions)	Wrench Size					Advised torques* in Nm				
	00	0	1	2	3	00	0	1	2	3
	7	11	14	17	21	0.5	0.7	1.3	1.7	2
	6	8	10	13	15	0.7	0.8	1	1.5	2
	6	9	11	14	16	0.7	0.8	1	1.5	2
	-	10	12	15	17	-	0.4 to 0.5		0.5 to 0.7	
	-	10	13	17	20	0.5	0.7	1.3	1.7	2
	-	9	13	15	-	-	-	-	-	-

For contact LAYOUTS Click Here

For PCB LAYOUTS Click Here

DATA SHEET

JBXFH _____



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