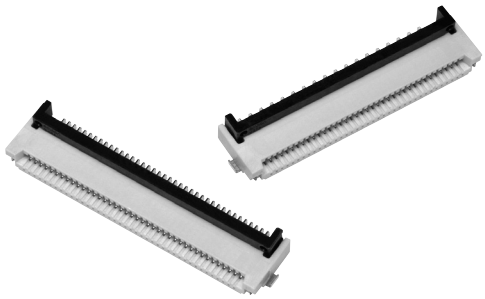
Rotary Backlock Connector (0.5-mm or 1.0-mm pitch, Dual Contact)
XF3M

Rotary Backlock Connectors Provide Improved Insertion of FPC/FFC Cables and Confirm Proper Connection with a Sure Lock Feel.

- Models available with 0.5 mm or 1.0 mm pitch.
- Dual contact design reduces the number of parts in the Bill of Materials.
- Applicable FPC/FFC thickness of 0.3 mm.
- Halogen Free (See note)

Note: OMRON uses the following standard to determine halogen-free construction: 900 ppm max. for Br, 900 ppm max. for Cl, and 1,500 ppm max. for Br+Cl.

- RoHS Compliant.



NEW

Ordering Information

0.5 mm Pitch

Pins	Model	Quantity per reel (See Note 2)
6	**XF3M-0615-1B**	1,500
7	**XF3M-0715-1B**	
8	**XF3M-0815-1B**	
9	**XF3M-0915-1B**	
10	**XF3M-1015-1B**	
11	**XF3M-1115-1B**	
12	**XF3M-1215-1B**	
13	**XF3M-1315-1B**	
14	**XF3M-1415-1B**	
15	**XF3M-1515-1B**	
16	**XF3M-1615-1B**	
17	**XF3M-1715-1B**	
18	**XF3M-1815-1B**	
19	**XF3M-1915-1B**	
20	**XF3M-2015-1B**	
21	**XF3M-2115-1B**	
22	**XF3M-2215-1B**	
23	**XF3M-2315-1B**	
24	**XF3M-2415-1B**	

Pins	Model	Quantity per reel (See Note 2)
25	**XF3M-2515-1B**	1,500
(26)	**XF3M-2615-1B**	
(28)	**XF3M-2815-1B**	
30	**XF3M-3015-1B**	
31	**XF3M-3115-1B**	
(32)	**XF3M-3215-1B**	
33	**XF3M-3315-1B**	
34	**XF3M-3415-1B**	
(35)	**XF3M-3515-1B**	
36	**XF3M-3615-1B**	
37	**XF3M-3715-1B**	
40	**XF3M-4015-1B**	
41	**XF3M-4115-1B**	
45	**XF3M-4515-1B**	
50	**XF3M-5015-1B**	
(53)	**XF3M-5315-1B**	
60	**XF3M-6015-1B**	
80	**XF3M-8015-1BE**	1,000

1.0 mm Pitch

Pins	Model	Quantity per reel (See Note 2)
4	**XF3M(1)-0415-1B**	1,500
5	**XF3M(1)-0515-1B**	
6	**XF3M(1)-0615-1B**	
7	**XF3M(1)-0715-1B**	
8	**XF3M(1)-0815-1B**	
9	**XF3M(1)-0915-1B**	
10	**XF3M(1)-1015-1B**	
11	**XF3M(1)-1115-1B**	
12	**XF3M(1)-1215-1B**	

Pins	Model	Quantity per reel (See Note 2)
15	**XF3M(1)-1515-1B**	1,500
16	**XF3M(1)-1615-1B**	
(17)	**XF3M(1)-1715-1B**	
18	**XF3M(1)-1815-1B**	
20	**XF3M(1)-2015-1B**	
22	**XF3M(1)-2215-1B**	
(26)	**XF3M(1)-2615-1B**	
30	**XF3M(1)-3015-1B**	

Note: 1. Please consult your Omron representative for available pin count and marketing dates for pin counts in parenthesis.

2. Please order by integer multiple of the quantity per reel. Add "-R100" at the end of the part to obtain reels of 100 pieces.

Ratings and Specifications

■ Characteristics

Rated current	0.5A AC/DC
Rated voltage	50V AC/DC
Contact resistance	50 mΩ max. (at 20 mVDC max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250 VAC for 1 min. (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	-30 to +85°C (with no icing or condensation)

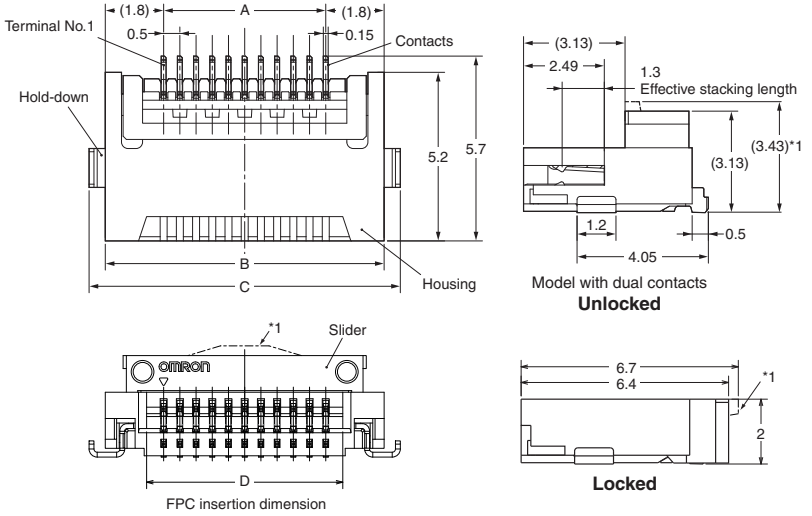
■ Materials and Finish

Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/black
Contacts	Spring copper alloy/nickel substrate (1.5 μm), Gold-plated contacts (flash)
Hold-down	Copper alloy/fused-tin plating (1 μm)

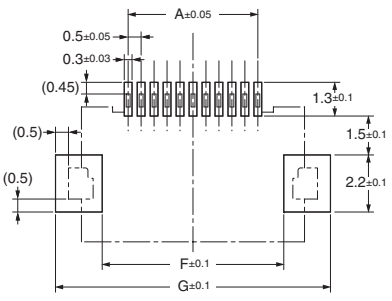
Dimensions

Unit: mm

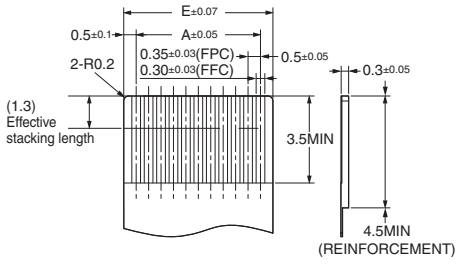
XF3M-□□15-1B (0.5 mm pitch)



PCB Dimensions (TOP VIEW)



Recommended FPC/FFC Dimensions

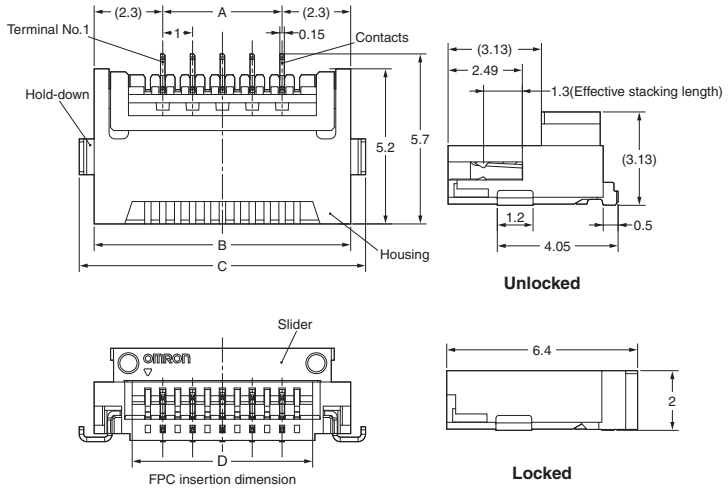


Note: **1.** Dotted lines indicate the shape and dimensions of the XF3M-8015-1BE

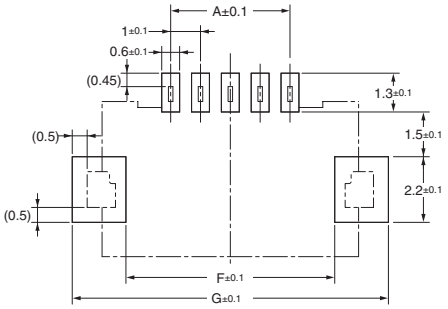
Table of Dimensions (0.5 mm pitch)

Pins	Model	A	B	C	D	E	F	G
6	**XF3M-0615-1B**	2.5	6.1	7.1	3.55	3.5	4.5	8.1
7	**XF3M-0715-1B**	3.0	6.6	7.6	4.05	4.0	5.0	8.6
8	**XF3M-0815-1B**	3.5	7.1	8.1	4.55	4.5	5.5	9.1
9	**XF3M-0915-1B**	4.0	7.6	8.6	5.05	5.0	6.0	9.6
10	**XF3M-1015-1B**	4.5	8.1	9.1	5.55	5.5	6.5	10.1
11	**XF3M-1115-1B**	5.0	8.6	9.6	6.05	6.0	7.0	10.6
12	**XF3M-1215-1B**	5.5	9.1	10.1	6.55	6.5	7.5	11.1
13	**XF3M-1315-1B**	6.0	9.6	10.6	7.05	7.0	8.0	11.6
14	**XF3M-1415-1B**	6.5	10.1	11.1	7.55	7.5	8.5	12.1
15	**XF3M-1515-1B**	7.0	10.6	11.6	8.05	8.0	9.0	12.6
16	**XF3M-1615-1B**	7.5	11.1	12.1	8.55	8.5	9.5	13.1
17	**XF3M-1715-1B**	8.0	11.6	12.6	9.05	9.0	10.0	13.6
18	**XF3M-1815-1B**	8.5	12.1	13.1	9.55	9.5	10.5	14.1
19	**XF3M-1915-1B**	9.0	12.6	13.6	10.05	10.0	11.0	14.6
20	**XF3M-2015-1B**	9.5	13.1	14.1	10.55	10.5	11.5	15.1
21	**XF3M-2115-1B**	10.0	13.6	14.6	11.05	11.0	12.0	15.6
22	**XF3M-2215-1B**	10.5	14.1	15.1	11.55	11.5	12.5	16.1
23	**XF3M-2315-1B**	11.0	14.6	15.6	12.05	12.0	13.0	16.6
24	**XF3M-2415-1B**	11.5	15.1	16.1	12.55	12.5	13.5	17.1
25	**XF3M-2515-1B**	12.0	15.6	16.6	13.05	13.0	14.0	17.6
(26)	**XF3M-2615-1B**	12.5	16.1	17.1	13.55	13.5	14.5	18.1
(28)	**XF3M-2815-1B**	13.5	17.1	18.1	14.55	14.5	15.5	19.1
30	**XF3M-3015-1B**	14.5	18.1	19.1	15.55	15.5	16.5	20.1
31	**XF3M-3115-1B**	15.0	18.6	19.6	16.05	16.0	17.0	20.6
(32)	**XF3M-3215-1B**	15.5	19.1	20.1	16.55	16.5	17.5	21.1
33	**XF3M-3315-1B**	16.0	19.6	20.6	17.05	17.0	18.0	21.6
34	**XF3M-3415-1B**	16.5	20.1	21.1	17.55	17.5	18.5	22.1
(35)	**XF3M-3515-1B**	17.0	20.6	21.6	18.05	18.0	19.0	22.6
36	**XF3M-3615-1B**	17.5	21.1	22.1	18.55	18.5	19.5	23.1
37	**XF3M-3715-1B**	18.0	21.6	22.6	19.05	19.0	20.0	23.6
40	**XF3M-4015-1B**	19.5	23.1	24.1	20.55	20.5	21.5	25.1
41	**XF3M-4115-1B**	20.0	23.6	24.6	21.05	21.0	22.0	25.6
45	**XF3M-4515-1B**	22.0	25.6	26.6	23.05	23.0	24.0	27.6
50	**XF3M-5015-1B**	24.5	28.1	29.1	25.55	25.5	26.5	30.1
(53)	**XF3M-5315-1B**	26.0	29.6	30.6	27.05	27.0	28.0	31.6
60	**XF3M-6015-1B**	29.5	33.1	34.1	30.55	30.5	31.5	35.1
80	**XF3M-8015-1BE**	39.5	43.1	44.1	40.55	40.5	41.5	45.1

XF3M(1)-□□15-1B (1.0 mm pitch)



PCB Dimensions (TOP VIEW)



Applicable FPC/FFC Dimensions

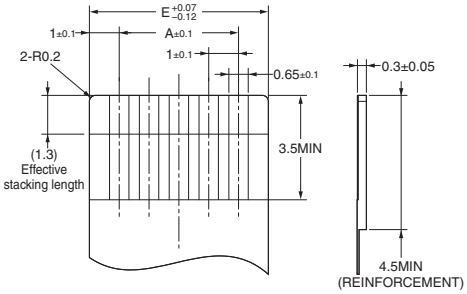
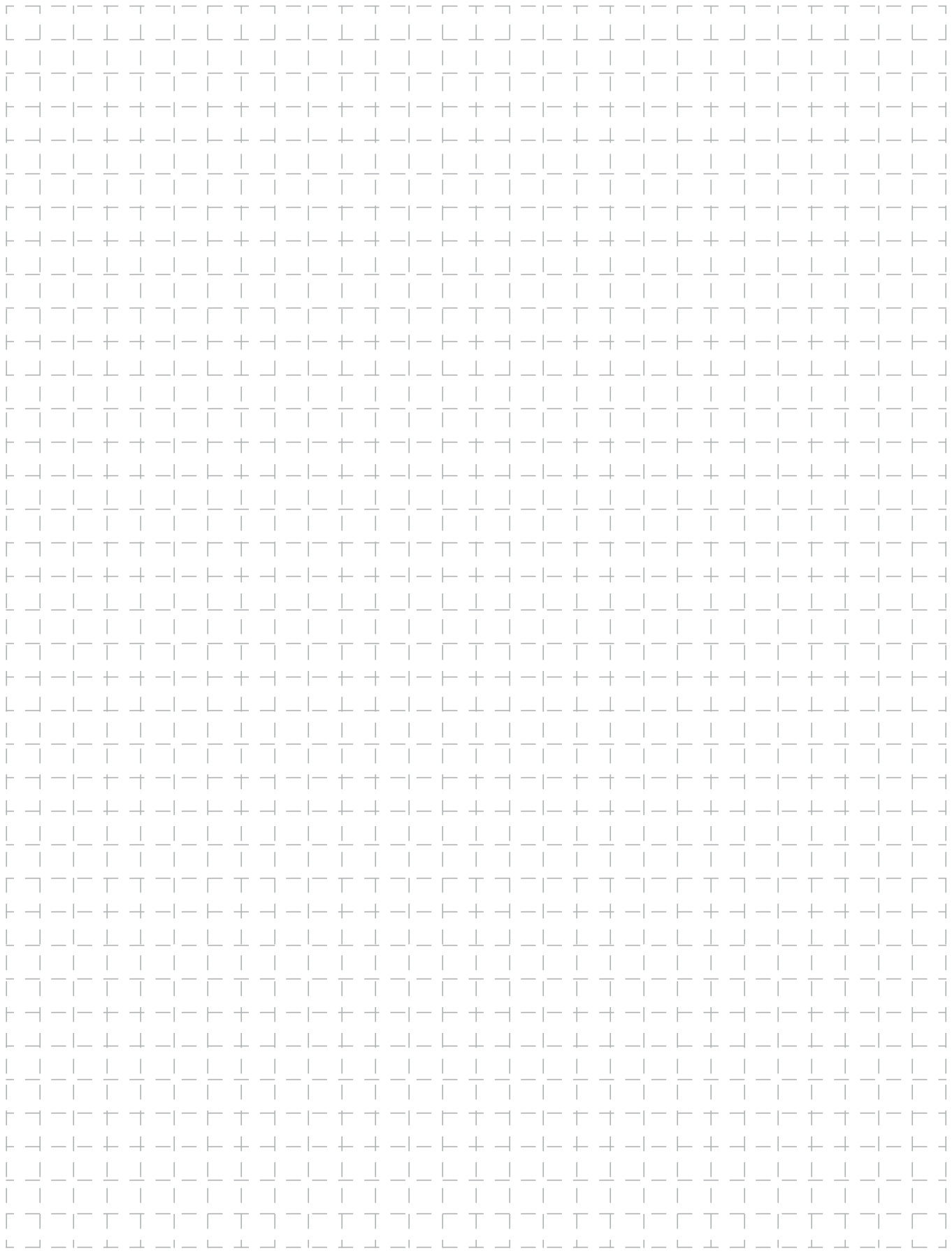


Table of Dimensions (1.0 mm pitch)

Pins	Model	A	B	C	D	E	F	G
4	**XF3M(1)-0415-1B**	3.0	7.6	8.6	5.05	5.0	6.0	9.6
5	**XF3M(1)-0515-1B**	4.0	8.6	9.6	6.05	6.0	7.0	10.6
6	**XF3M(1)-0615-1B**	5.0	9.6	10.6	7.05	7.0	8.0	11.6
7	**XF3M(1)-0715-1B**	6.0	10.6	11.6	8.05	8.0	9.0	12.6
8	**XF3M(1)-0815-1B**	7.0	11.6	12.6	9.05	9.0	10.0	13.6
9	**XF3M(1)-0915-1B**	8.0	12.6	13.6	10.05	10.0	11.0	14.6
10	**XF3M(1)-1015-1B**	9.0	13.6	14.6	11.05	11.0	12.0	15.6
11	**XF3M(1)-1115-1B**	10.0	14.6	15.6	12.05	12.0	13.0	16.6
12	**XF3M(1)-1215-1B**	11.0	15.6	16.6	13.05	13.0	14.0	17.6
15	**XF3M(1)-1515-1B**	14.0	18.6	19.6	16.05	16.0	17.0	20.6
16	**XF3M(1)-1615-1B**	15.0	19.6	20.6	17.05	17.0	18.0	21.6
(17)	**XF3M(1)-1715-1B**	16.0	20.6	21.6	18.05	18.0	19.0	22.6
18	**XF3M(1)-1815-1B**	17.0	21.6	22.6	19.05	19.0	20.0	23.6
20	**XF3M(1)-2015-1B**	19.0	23.6	24.6	21.05	21.0	22.0	25.6
22	**XF3M(1)-2215-1B**	21.0	25.6	26.6	23.05	23.0	24.0	27.6
(26)	**XF3M(1)-2615-1B**	25.0	29.6	30.6	27.05	27.0	28.0	31.6
30	**XF3M(1)-3015-1B**	29.0	33.6	34.6	31.05	31.0	32.0	35.6

MEMO



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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
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