#### OMRON

# Rotary Backlock Connector (0.4-mm Pitch, Dual Contact)

# Rotary Backlock Mechanism with a Depth of 0.4 mm and Low Profile of 0.9 mm

- Long slider makes it easier to lock and unlock the connector.
- Dual contacts reduce the number of parts.
- Gold plated with an applicable FPC thickness of 0.2 mm.
- Halogen Free (See note)
- Note: OMRON uses the following standard to determine halogenfree construction: 900 ppm max. for Br, 900 ppm max. for Cl, and 1,500 ppm max. for Br+Cl.
- RoHS Compliant

## Ordering Information



Pins	Model	Quantity per reel (unit) (See Note)
57	XF2K-5715-3AE	2,000

Note: Please order by integer multiple of the quantity per reel.

## **Ratings and Specifications**

### ■ Characteristics

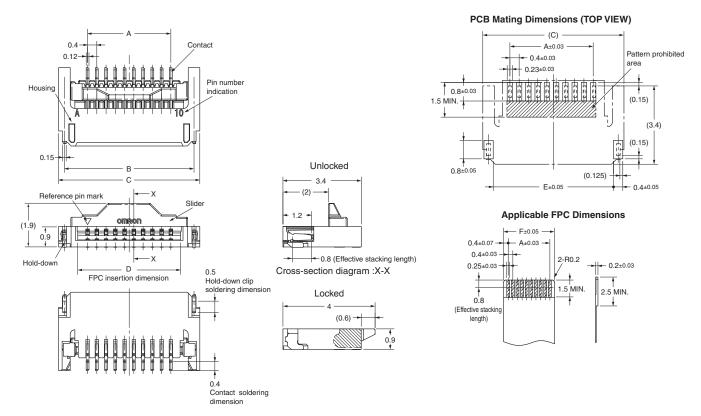
Rated current	0.4 A AC/DC
Rated voltage	40 V AC/DC
Contact resistance	60 m $\Omega$ max. (at 20 mV max., 100 mA max.)
Insulation resistance	100 MΩ min. (at 250 VDC)
Withstand voltage	250 VAC for 1 min (leakage current: 1 mA max.)
Insertion tolerance	20 times
Ambient operating temperature	-30 to 85°C (with no icing or condensation)

### Materials and Finish

Housing	LCP resin (UL94V-0)/natural
Slider	LCP resin (UL94V-0)/brown
	Spring copper alloy/nickel substrate (2 μm), Gold-plated contacts (0.15 μm)
Hold-down	Spring copper alloy/fused-tin plating (2 µm)

## Dimensions

Unit: mm XF2K-□□15-3AE



#### **Table of Dimensions**

Pins	Model	Α	В	С	D	E	F
57	XF2K-5715-3AE	22.4	24.4		23.3	24.0	23.2

## OMRON

																									ME	EMO
Г — I			— — I I		— r	 г —	1 —	—	т – Т	т —	· · · ·	· ·	T -		—	T -		· · · · ·	·	— — 1	1 —		т – Т	т —	. —	
	J	! 			L	 L	 	 	⊥ 	⊥	.     	 I		J	! 			.! 	L .	 _	J	 	 	⊥		
 		-		-¦	— ¦	   	i —		 	 		·	<u>-</u> –		-	 	 		 	 	 	¦	 	   —	   —	
 	. —	 	· · ·	-1	- F	   	 	 	। ∔	। + —	· ·	⊢ .	। ∔ —	. —	 	 	, + —	·	 	। ∔ —		 	। ∔	। ∔ —	   —	, , ⊢ –
1	1	1		1	 		 		I I	1	1	I I	1	1	1	1	1	1	1	1	1	1	1	1		
н — Т			+ +		- F	 ⊢ —	· —		+ 	+	- I	·	+ - 				+ —	· · · · · · ·	·	+ - 			+ 	+		
		-	<u> </u>		- ¦	 <u> </u>	¦	'— 	<u>-</u> _	<u>+</u>	' <u> </u>	<u> </u>	<u>-</u> _		-	<u>-</u> -	<u> </u>	¦—		<u>-</u> _	<u> </u>	'— 	<u>-</u> -	<u> </u>		
	- -		+ +		- i	 F —	—	 		; † —	·		- + -	- -		+ -	+	·  —		; † –	1 —		† -	; † —	—	
L _			+ +	_	-	 L _			↓ _	· +		· 				· 	, 		· 					· +		
Ì	Ì	Ì		İ	İ				Ì		Ì			Ì	Ì				Ì			Ì	Ì	Ì		
	 	·	i i		— : I	  	: 	·	 	 		· <u> </u>	· _	·	·	·	·		· <u> </u>	· _	 	·	 	 	· ·	
Γ -	j —	i —	ТΤ			 			Τ -	т —	, <u> </u>		Τ -	1 -	i —	Τ -	Τ —	- 		Τ -	1 -	i —	Γ -	Ť –	_	
⊢ −			+ +	—	- +	 ⊢ —			+ -	+ —		⊢ ·	+ -			+ -	+	-	⊢ ·	+ -			+ -	+ —	—	$\vdash$ –
L_					_ L	 L _			L_			L.	L _			L.			L.	L _			L.	L _		
-			$\overline{    }$	_	_ ī					_		'							'					_		<u> </u>
	1 —		+ $+$	-	-	 			+ -	+			+ -	1 —		+ -	+ -		⊢ .	+ -			+ -	+ —	—	$\vdash \dashv$
∟ _			$\vdash \dashv$	_	_	 L _	_		⊢ _	+		∟ .	↓ _			⊥ -	+ _		∟ .	↓ _				+ _		$\vdash \dashv$
	<u> </u>			_	_ !	L	l		<u> </u>	<u> </u>		L .	<u> </u>	<u> </u>		<u> </u>	<u> </u>		L	<u> </u>	<u> </u>		<u> </u>	<u> </u>		
Γ –	1 -		$\top \top$	_	_				Τ -							$\vdash$	+ -		<b></b>	† –	1 —		<u> </u>	+ -	—	$\square$
⊢ –			+ +	—	—	 			+ -	+	—	- ·	+ -			+ -	+		⊢ -	+ -		—	+ -	+	—	$\vdash$ –
L _	<u> </u>			_	_ [				<u> </u>	<u> </u>		L.	<u> </u>	<u> </u>		<u> </u>			L.		<u> </u>			<u> </u>		
	 	 			_ !	 			 	 		 	 	 	 	 	 		 	 			 	 		
		1													1											
	1 —		+ +	_		 			+ -	+	·  —		+ -	1 —		+ -	+			+ -	1 —		+	+	—	
	- I		<u> </u>	_		 L			Ļ _	↓		L .	Ļ _	- I				.	L .	Ļ _			⊥ _ '	<u> </u>		
		-		_	— ¦	   	 		 	 			   _		-	 	   _		 	   _			 	<u> </u>		
 	 	 	 + +		 	 ∣ ⊢ —	   —	 	। +	 +		 	 + -	 	 	 +	 + —	·	 ⊢ ·	 +	 	 	। +	 + —	   —	
1	I I	1		1	 		l I	1	I I	l I	I I	I I	∙ ∔ _	I I	1	1	1	.	1	1	 	I I	I I	I I		
			+ +		— r	 	— 		+ 							+	+			+ -			+ 	+		
<u> </u>	<u>'</u>	<u> </u>		'	— ¦	 <u> </u>	!	' 	<u>-</u> _ 		' <u> </u>	· I	<u>-</u> _	' 	<u> </u>	<u>-</u> -	<u> </u>	·'	·	<u>-</u> _	!	' 	<u>'</u> _ 	<u>-</u>		
Γ -			-	-i	— '	 Г —	—			- T —	-   —	·	т –	, 			т —	. —			, —			т —	_	
			· · ·	_	— ŀ	 				+ —	·   —			-		· + -	· + —	·  —		+ -	-			+		
	Ì	Ì		İ							Ì			Ì	Ì							Ì	Ì			
	1 -		$\overline{ }$ $\overline{ }$	_	— í	 	i —			_		·		1 -		-	-		·	-	1 —		-	-	_	<b>— –</b>
├ -			+ +	—	-	 			+ -	+		-	+ -			+ -	+ -		⊢ -	+ -			+ -	+ —	—	$\vdash$ –
L_	_		$\perp \perp$	_	_	 L _			⊥ _	↓		∟.	⊥ _	_		⊥ .	↓ _		∟.	⊥ _			L _	↓ _		
-			$\uparrow \uparrow$	_	- 1	   -										⊢ -	† —			+ -	1 —					$\vdash \neg$
⊢ _			$\vdash$ $\downarrow$	_	—	 ⊢ _			⊢ –	+		_ ·	+ -			⊢ -	+		⊢ .	+ -			⊢ -	+ —		
	<u> </u>			_	_ [		<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>		L .	<u> </u>			<u> </u>	<u> </u>		
Γ -	1		ГТ		- I				Γ -	T T			Γ –	1		Γ	Ţ		<u> </u>	Γ –	1		Γ -	Ţ		
L _		I	⊥ ⊥		L			I	L	L	1	L .	<u> </u>		I	L -			∟ .	<u> </u>		1	<u> </u>	1		

All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at http://www.components.omron.com/components/web/webfiles.nsf/sales\_terms.html

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.** To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.



55 E. Commerce Drive, Suite E Schaumburg, IL 60173 **OMRON ON-LINE** 

Global - http://www.omron.com USA - http://www.components.omron.com

#### 847-882-2288

Cat. No. X304-E-1

11/10

Specifications subject to change without notice

Printed in USA

Rotary Backlock Connector (0.4-mm Pitch, Dual Contact) XF2K