YAMAICHI ELECTRONICS Co., Ltd.

FPS009-4200 Series SD Card Connector One Action Eject Type

♦Feature

> Ejection method: One-action type.

Card ejection by operating card holding button at connector slot

- Card holding mechanism with reaction force by coil springs.
- > To ensure firm holding not to cause card movement in a connector.
- 2-beam contact installation on all contact-terminals.
 - To ensure die-electric discontinuity prevention which may be caused by vibration and impact.

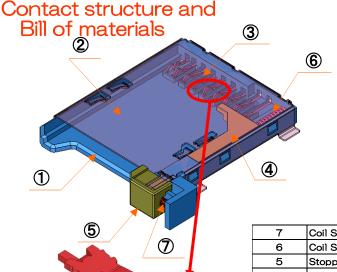
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- Metal shell cover with 4 GNDs (Solder tubs)
 - To ensure EMI/ESD prevention performance
- Insertion/extraction duration : 100cycs (*Yamaichi proposal as for NON-user interface use.)

\Diamond Specification

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Current Rating	0.5A		
Voltage Rating	DC 5V rms.		
Insulation Resistance	At 500V DC. Intial value : 1000M Ω After test : 100M Ω max		
Withstanding Voltage	500V AC rms. 1 min.		
Contact Resistance	At $1MA/2OmV$ Initial value : $100m\Omega$ After test : $40m\Omega$ max.	ut line	dimensions
Operating Temperture /Operating Humidity	-30℃ to +85℃ / 95%RH MAX.	4	38. 45
Storage Temperature /Strage Humidity	-40℃~+90℃ / 95%RH MAX.		<u>4</u> <u>7.20</u>
Insertion /Extraction Wear Life	100cycles (Cycle Rate : 400~600cycles/hours)		



1 In	nsulator	1	LCP	Black (UL94V-0)
2 M	letal Shell	1	SUS	Ni-Sn Plating
3 Co	ontact	ω	PB	Ni-Au/Sn plating
4 Ej	jector	1	LCP	Black (UL94V-0)
5 St	topper	1	LCP	Black (UL94V-0)
6 Co	oil Spring 1	1	SUS	
7 Co	oil Spring 2	1	SUS	

2-beam Contact Structure

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Specification in this document are reference values for representative products of each series and change without prior notice. Since product improvement entails changes to electrical, material and mechanical properties, the purchasing party is strongly encouraged to inquire about the latest specifications before placing a purchase order. All other service, product and company names mentioned herein are the trademarks or registered trademarks of their respective owners. 2015 Jan Rev.B Copyright (C) 2014 YAMAICHI ELECTRONICS CO., LTD.

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69 ŝ

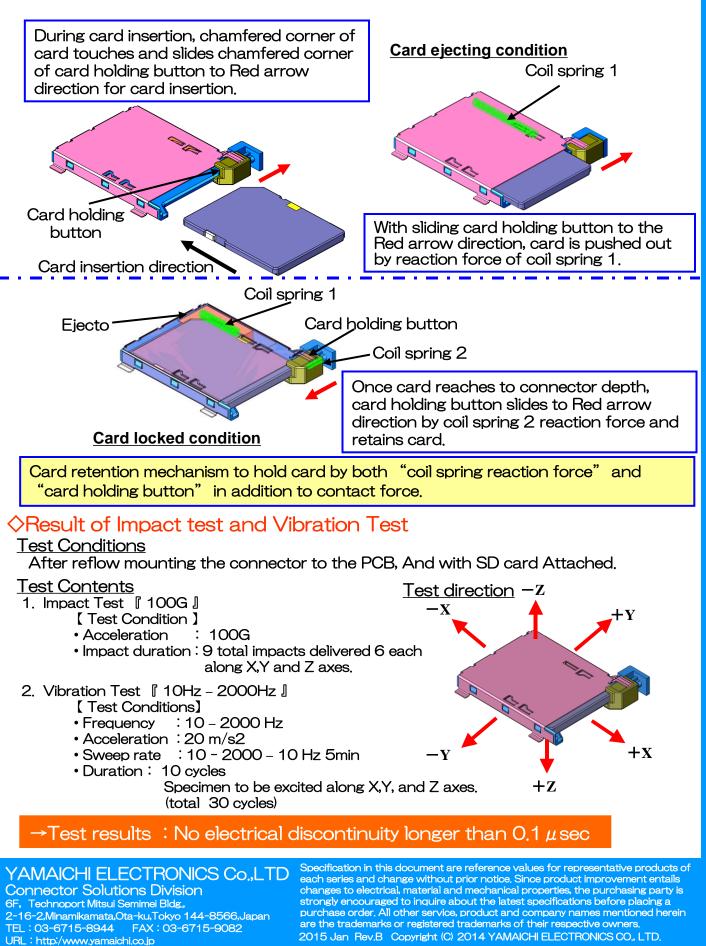
between Solder terminal 28.95 95 Dimension between Solder termi surface to connector top surface ਤ. 1.0Q 34.00 37.75

Patented



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♦ Connector operation method



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