

# microSD/TF Card Connector

## FCN-560 Series

**RoHS compliant**

microSD is currently the world's smallest memory card storage system, specifically designed for use with ultra-small mobile phones and other devices. Like the miniSD, the microSD/TransFlash is ideal for use in storing media-rich files such as music, videos, and photographs in compatible mobile phones.

Fujitsu's microSD connector offers the lowest profile height (1.65mm) currently available in the market.

Featuring Fujitsu's precise and insert molding technology, the FCN-560 series micro SD connector measures 15mm (D) x 14mm (W) x 1.6mm (H) and has a life cycle of ten thousand insertions/withdrawals.

Fujitsu's connector uses a proprietary push-push structure that provides positive tactile feedback during card insertion and withdrawal.

A card drop protection mechanism prevents the card from falling out during pre-insertion and forced card extraction after it's locked in. When ejected, the card travels 3.5mm from its locked position.



### FEATURES

- Reduction in size and weight (15 (D) x 14 (W) x 1.65 (H)mm) with unique push-push structure
- Half-lock to prevent forced card extraction, good operability with sense of click for insertion
- Smooth card insertion/withdrawal with unique drop-protection mechanism
- With card detections switch
- Card ejection distance 3.5mm
- FCN-568Z008-G/0M

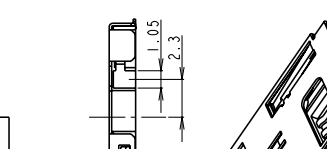
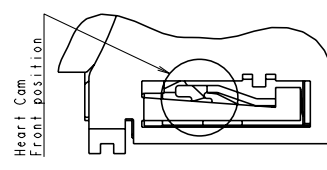
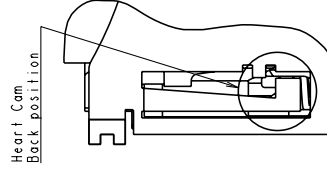
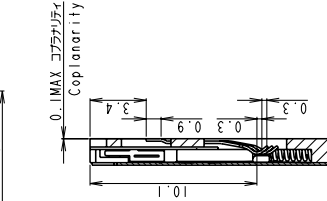
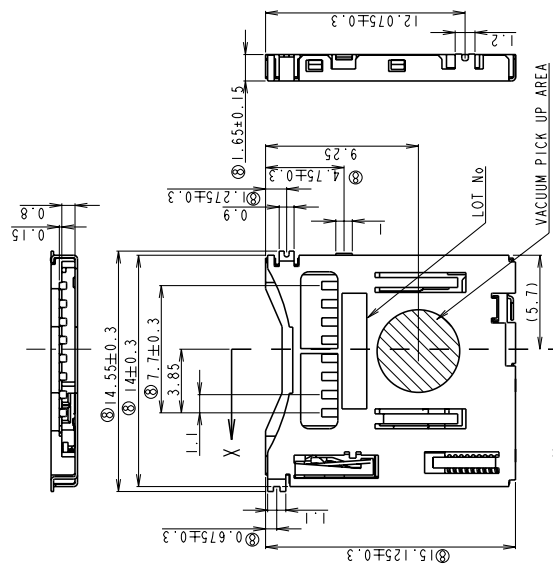
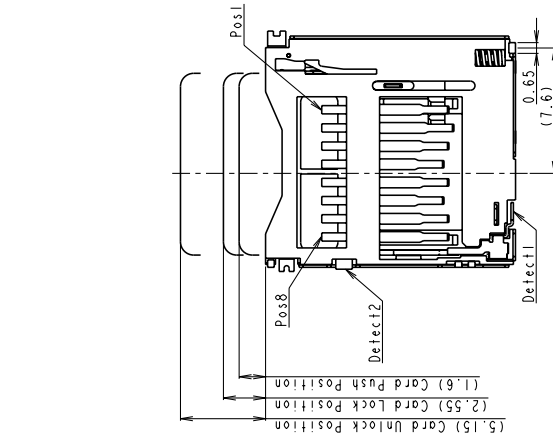
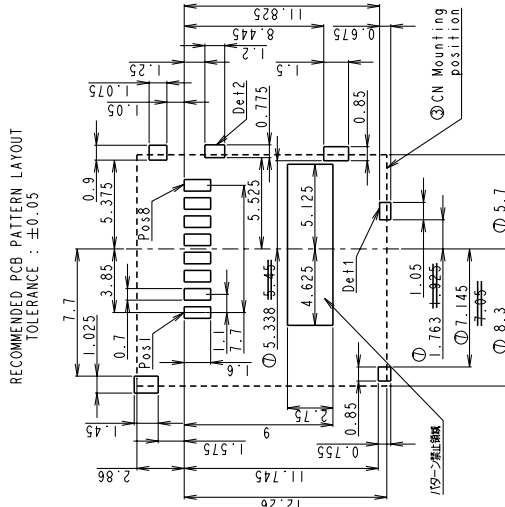
Item	Specification
Operating temperature range	-20°C to +70°C
Current rating	AC 0.5A
Voltage rating	AC/DC 5V
Contact resistance	100mΩ maximum
Dielectric withstanding voltage	AC 500V for 1 minute
Insertion/Withdrawal life	10,000 cycles

Item	Specification
Insulating material	LCP, UL94 V-0
Contact	Copper Alloy Plating NiPdAu
Pin / Spring	SWPA
Metal Cover	Stainless steel

Tape and reel: 1, 500 pcs/reel

# microSD/TF Card Connector

## SPECIFICATIONS



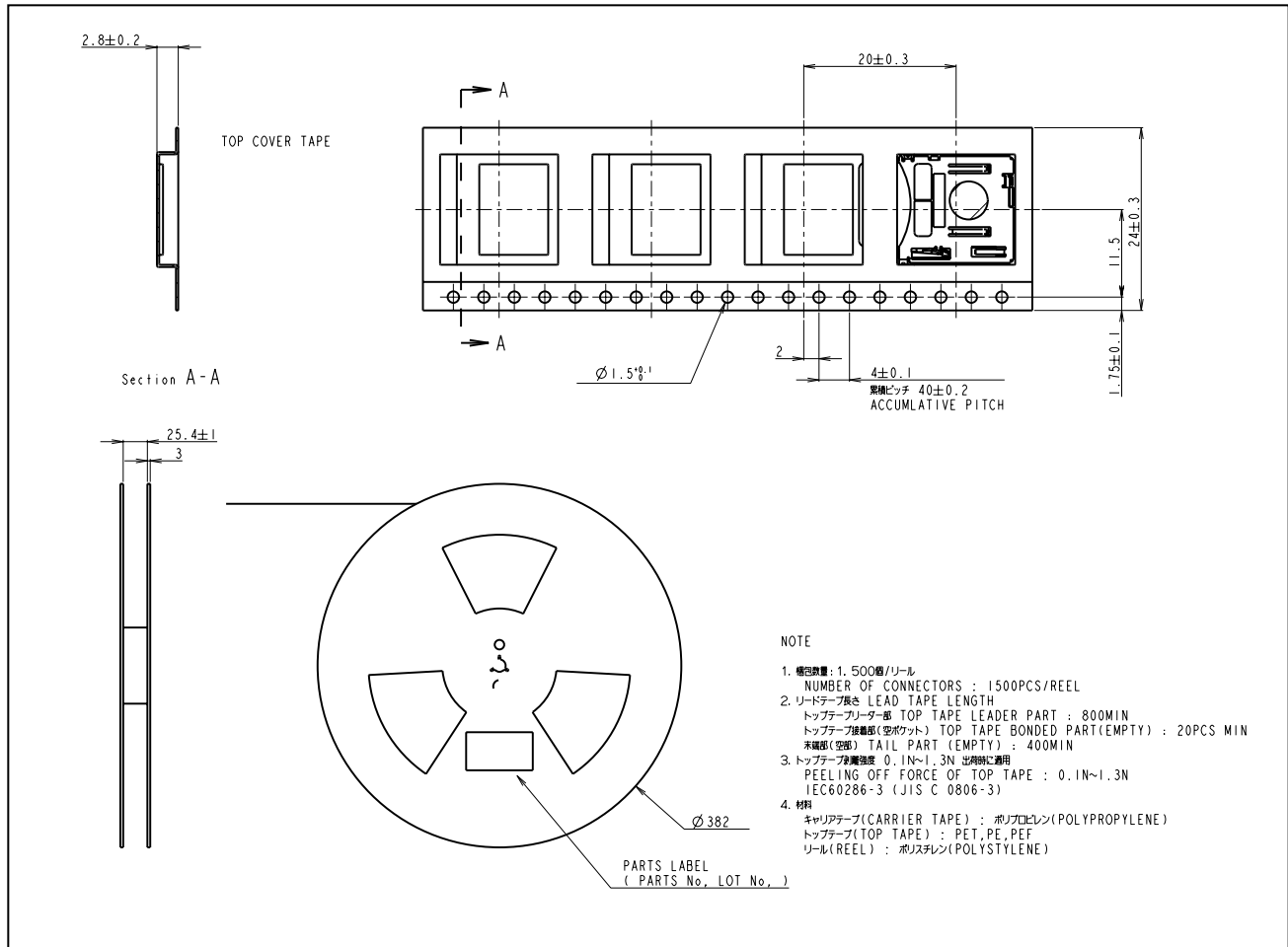
Parts	QTY	MATERIAL
ハウジング	1	ガラスの樹脂層 (LCP) UL94V-0 色:黒 HEAT RESISTANCE POLYMER(LCP) V UL94V-0, BLACK
スライダ	1	ガラスの樹脂層 (LCP) UL94V-0 色:黒 HEAT RESISTANCE POLYMER(LCP) V UL94V-0, BLACK
ターミナル	9	銅合金 Copper Alloy
検出端子	1	銅合金 Copper Alloy
ピン	1	銅合金 Copper Alloy
スプリング	1	銅合金 Copper Alloy
メタルカバー	1	銅合金 Copper Alloy

RoHS Compliance  
P/N : FCN-568Z008-G/0M

注1 振動検査時の衝撃は、公差±0.1mm以内とする。  
Note1 Unless otherwise specified dimensions are in mm and tolerances are ±0.1mm.  
注2 本製品はRoHS指令の適用範囲内にて振動試験を実施している。  
Note2 This product conforms to regulation of content centering to six substance of RoHS directives.  
注3 ハートカムが閉鎖状態にある状態で、ハートカムが閉鎖状態にある状態で、この状態でプロットしてはならない。  
Note3 The connector must be reformed in unlocked position, otherwise permanent damage will result.

# microSD/TF Card Connector

## SPECIFICATIONS



## Fujitsu Components International Headquarter Offices

### Japan

Fujitsu Component Limited  
Gotanda-Chuo Building  
3-5, Higashigotanda 2-chome, Shinagawa-ku  
Tokyo 141 8630, Japan  
Tel: (81-3) 5449-7010  
Fax: (81-3) 5449-2626  
Email: [promothq@fcl.fujitsu.com](mailto:promothq@fcl.fujitsu.com)  
Web: [www.fcl.fujitsu.com](http://www.fcl.fujitsu.com)

### North and South America

Fujitsu Components America, Inc.  
250 E. Caribbean Drive  
Sunnyvale, CA 94089 U.S.A.  
Tel: (1-408) 745-4900  
Fax: (1-408) 745-4970  
Email: [components@us.fujitsu.com](mailto:components@us.fujitsu.com)  
Web: <http://us.fujitsu.com/components/>

### Europe

Fujitsu Components Europe B.V.  
Diamantlaan 25  
2132 WV Hoofddorp  
Netherlands  
Tel: (31-23) 5560910  
Fax: (31-23) 5560950  
Email: [info@fceu.fujitsu.com](mailto:info@fceu.fujitsu.com)  
Web: [emea.fujitsu.com/components/](http://emea.fujitsu.com/components/)

### Asia Pacific

Fujitsu Components Asia Ltd.  
102E Pasir Panjang Road  
#01-01 Citilink Warehouse Complex  
Singapore 118529  
Tel: (65) 6375-8560  
Fax: (65) 6273-3021  
Email: [fcail@fcail.fujitsu.com](mailto:fcail@fcail.fujitsu.com)  
Web: <http://www.fujitsu.com/sg/services/micro/components/>

©2010 Fujitsu Components America, Inc. All rights reserved. All trademarks or registered trademarks are the property of their respective owners.

Fujitsu Components America or its affiliates do not warrant that the content of datasheet is error free. In a continuing effort to improve our products Fujitsu Components America, Inc. or its affiliates reserve the right to change specifications/datasheets without prior notice.  
Rev. August 11, 2010.