



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# CHARACTERISTICS

## GENERAL:

This S07 connector is suitable for narrow space portable applications. It has an integral card detection switch.

## ELECTRICAL PROPERTIES:

Insulation resistance : > 1000MΩ  
 Dielectric withstanding voltage : > 1000 Vrms  
 Current carrying capacity : min 10micronsA, MAX 1A  
 Contact resistance : GSM II-II standard  
 Card sensor type : Normally closed  
 Voltage US : 5V ±0.1V with R=560 Ω

## MECHANICAL PROPERTIES:

Contact Normal force : GSM II-II standard  
 Durability : 10 000 card insertions

## MATERIAL:

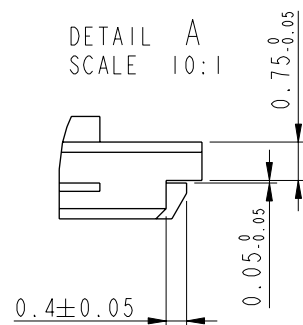
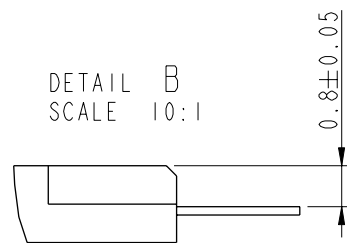
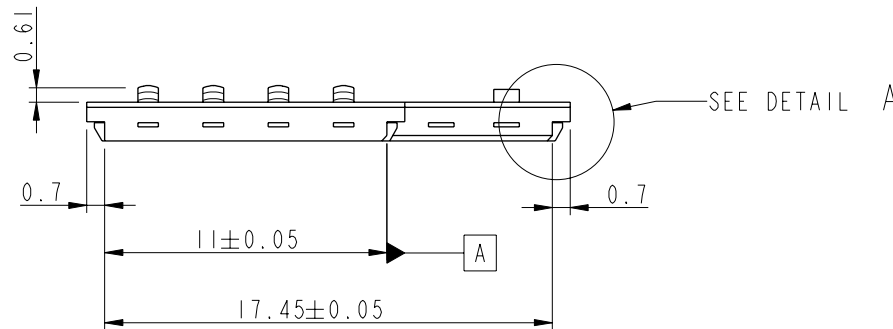
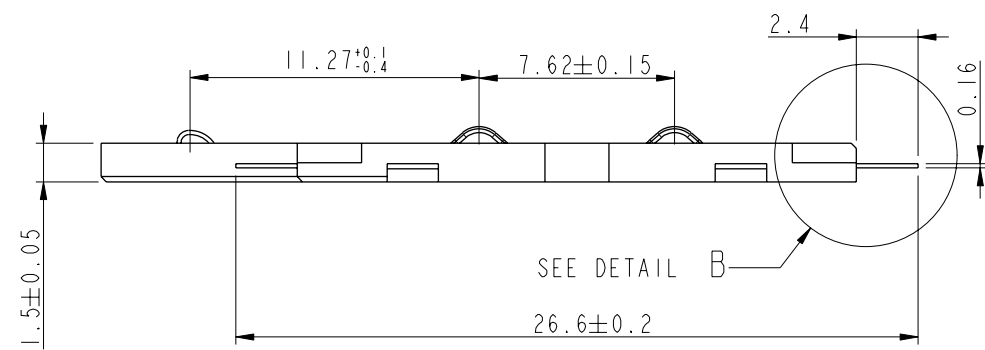
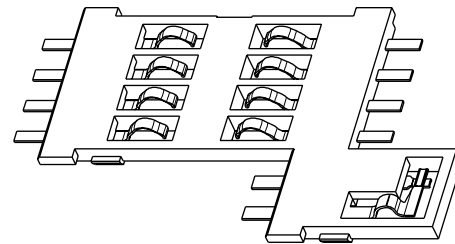
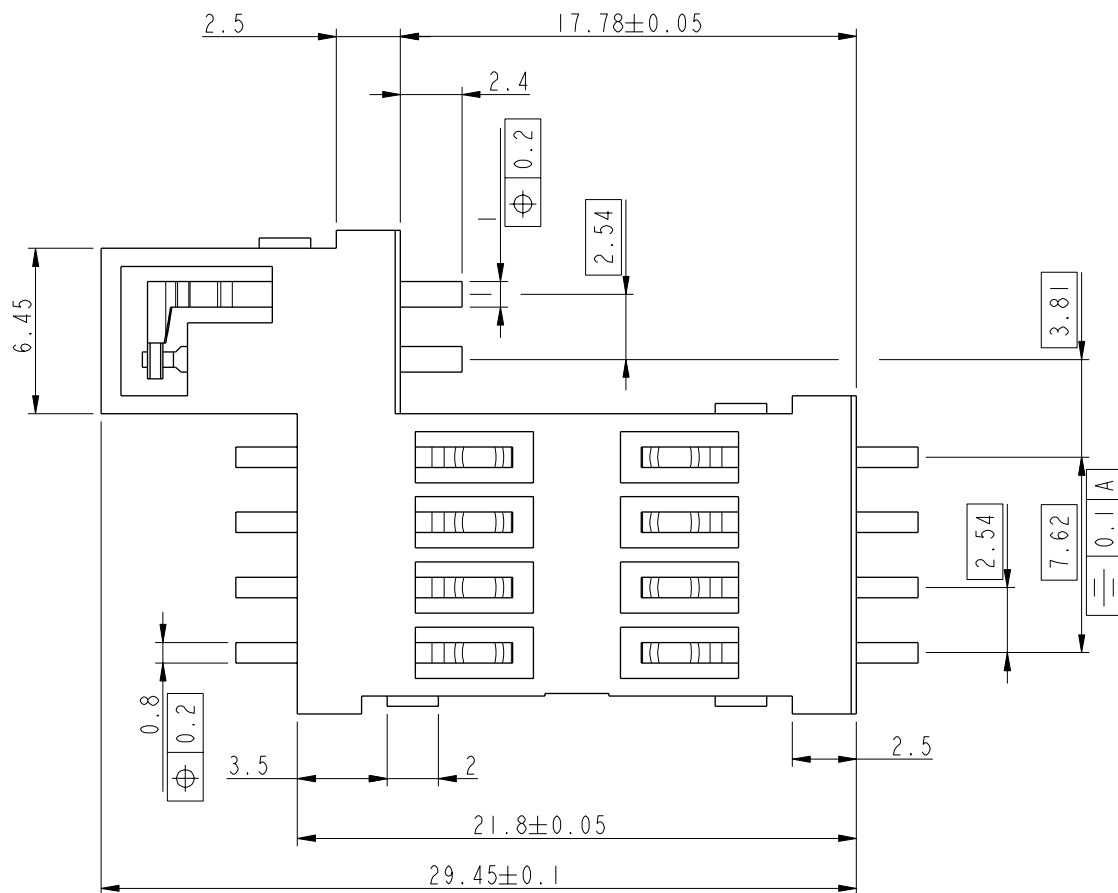
Housing : High Temperature Thermoplastic, colour Black, Rated UL94V0  
 Contacts and switch : Copper Alloy, Thickness 0.16mm  
 Plating : precoat Ni 2.5 microns min. all over  
 - Contact : Gold over Nickel on contact areas  
 - Switch : Gold over Nickel on functional areas  
 Bare edge allowed,  
 Lead Free (Sn) on soldertails.

## ENVIRONMENT:

Operating temperature : -40 °C / +90 °C  
 Reflow soldering temperature for Lead Free version: see note RoHs informations  
 Climatic conditions : UTE C 93-421

## APPLICATION DOCUMENT:

Product specification VGN11406/A



LEAD FREE PART NUMBER	
7311S0725A06LF	CAVITY TRAY

www.fciconnect.com		surface	-	tolerance std	projection	mm	
		ISO 1302	✓	ISO 406 ISO 1101	⊕	Scale	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			size	A2	1:1
Dr	D.LEGRAND	2002-04-29	ANGULAR	0.X	±0.3	ECN	109-0019
Eng	F.TISSERAND	2002-04-29	LINEAR	0.XX	±0.1	Spec ref	
Chr	-	-	0° ±2°	0.XXX	±0.05		
Appr	JF.NOTTEAU	2002-04-29	Product family				
rev	ecn no	dr	date	VJW 54719 SCM 1.5mm		diag no	VJW54719
B	LS03-0006	JG	2003-02-24	-		customer	SEE TABLE
C	LS4063	JG	2004-06-10	-		Rev.	G
D	LS05-0029	LGO	2005-04-04	-		sheet 1 of 2	
E	LS05-0058	HLE	2005-06-09	-			
F	LS07-0004	LGO	2006-12-12	-			
G	109-0019	RPK	2009-02-09	-			

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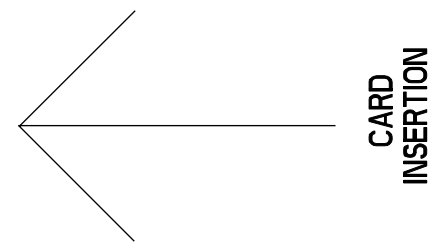
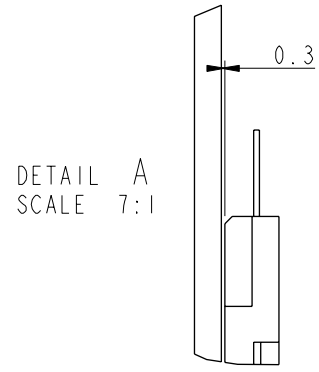
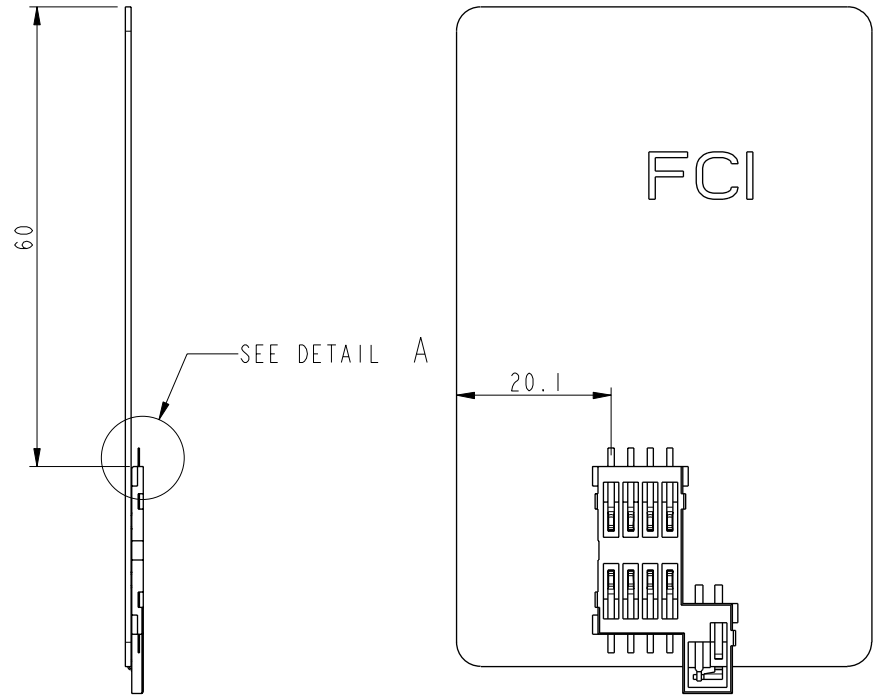
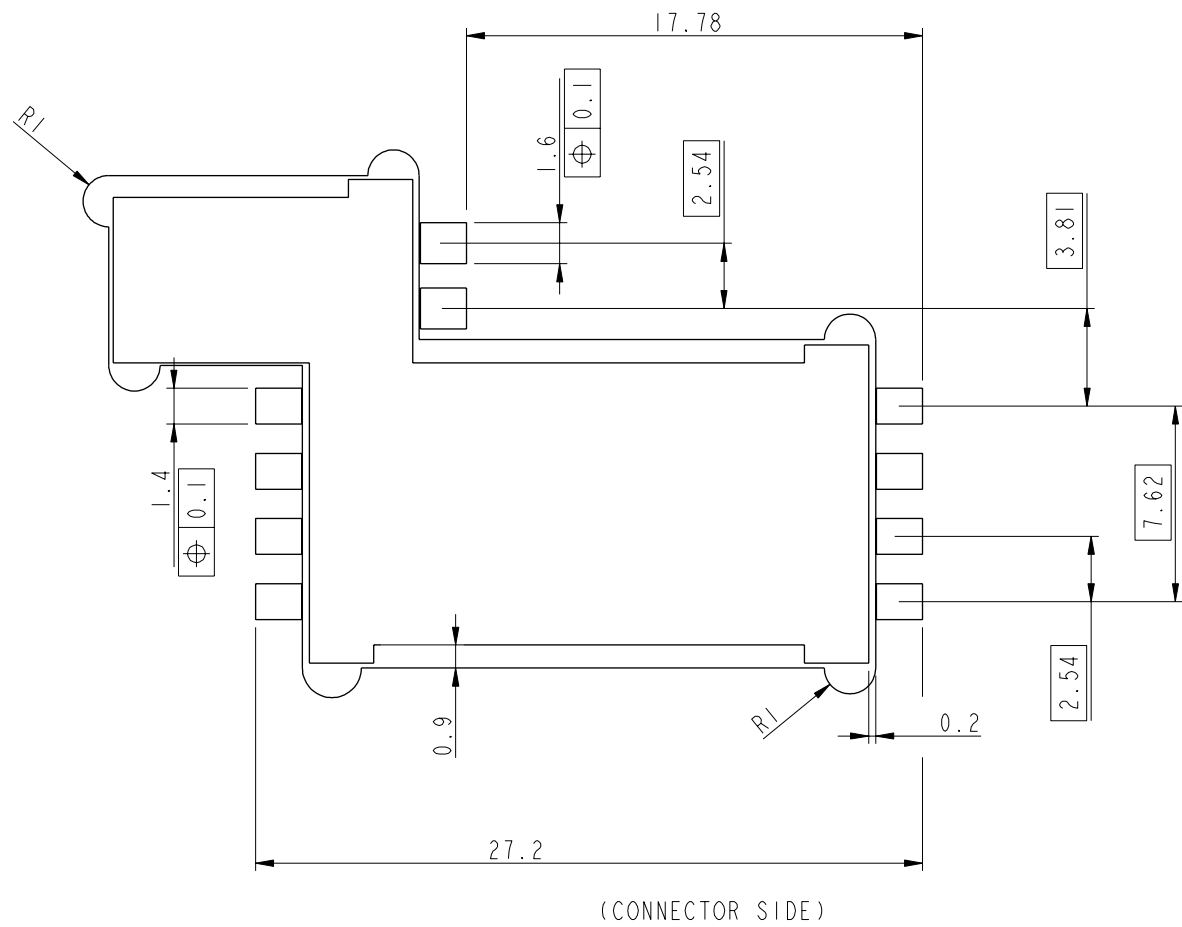
1 2 3 4 5 6 7 8

IN ALL CASE, WE GUARANTY THE FUNCTIONING OF THE SWITCH WITH A MAXIMUM DISTANCE BETWEEN THE CARD READER AND THE CARD OF 0.3mm.

### PCB RECOMMENDED LAYOUT

**NOTE RoHS INFORMATIONS**

- The "LF" products meet European Union Directives and other country regulations as described in GS-22-008
- The housing will withstand exposure to 260°C peak temperature for 30 seconds in a convection, infra-red or vapor reflow oven. See application notes/procedures if they are available.
- Packaging spec: see GS-14-920



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www.fciconnect.com			surface - <input checked="" type="checkbox"/> ISO 1302	tolerance std ISO 406 ISO 1101	projection	mm
			TOLERANCES UNLESS OTHERWISE SPECIFIED			Scale 5:1
Dr	D.LEGRAND	2002-04-29	ANGULAR	0.X ±0.3	size A2	
Eng	F.TISSERAND	2002-04-29	LINEAR	0.XX ±0.1		
Chr	-	-	0° ±2°	0.XXX ±0.05	ECN 109-0019	
Appr	JF.NOTTEAU	2002-04-29	Product family	-	Spec ref	
<b>FCI</b>			VJW 54719 SCM 1.5mm		cat no VJW54719	Rev. G
			catalog no	SEE TABLE	CUSTOMER	sheet 2 of 2