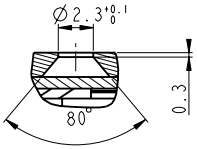
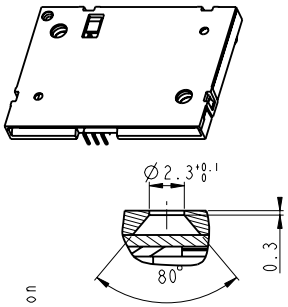
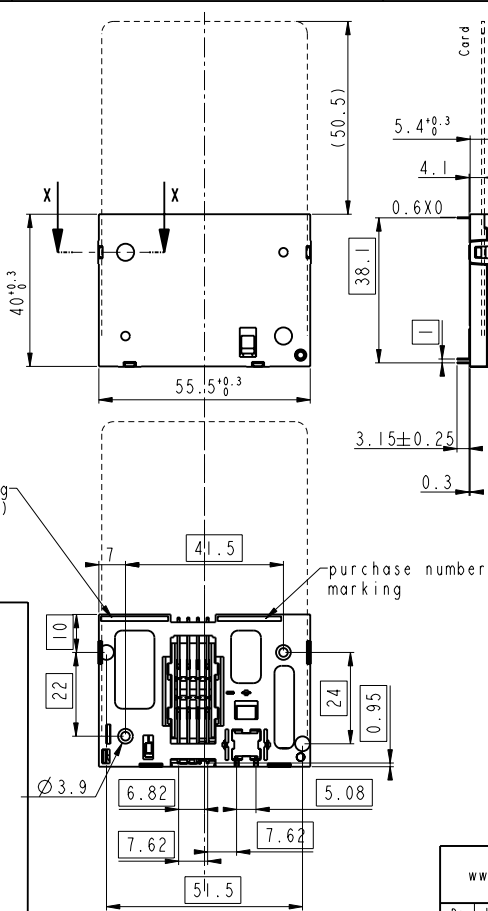
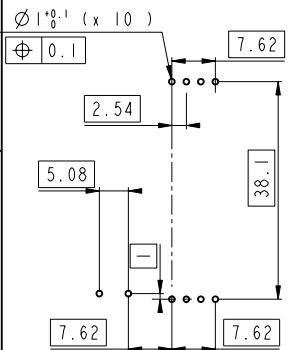


PART NUMBER	LEAD FREE VERSION
7431E0225S01	7431E0225S01LF



SECTION X-X  
SCALE 4:1

Recommended PCB Layout  
(Component side)



**GENERAL :**

High cycle life duration smart card connector with landing type contacts mechanism. The landing type connector also provides the feature of recessed contacts when card is not inserted which protects them against vandalism.  
Smart card for reference purposes only.

**ELECTRICAL PROPERTIES:**

Insulation resistance : > 1000MΩ  
Dielectric withstanding voltage : > 750 Vrms  
Current carrying capacity : Min 10µA, Max 1A  
Contact resistance : < 100mΩ

**MECHANICAL PROPERTIES :**

Operating force : Insertion : F < 10N  
Withdrawal : 1 < F < 10N  
Contact Normal force : 0.2 < F < 0.3 for 0.6mm of deflection  
Durability : 200 000 mating cycles

**MATERIAL :**

Head reader : Thermoplastic, Colour Grey, Rated UL94V0  
Cover : Thermoplastic, Colour Grey, Rated UL94V0  
Contacts : Copper alloy.  
Plating : Gold over Ni or equivalent on contact area  
SnPb over Ni on solder tails (FOR LEADED VERSION)  
Matte tin over Ni on solder tails (FOR LEAD FREE VERSION)

**ENVIRONMENT :**

Operating temperature : -40°C / +85°C  
Climatic conditions : UTE 93-421

**PACKAGING :**

Plastic cavity tray

**LEAD FREE VERSION:**

"This product meets European Union Directives and other country regulations as described in GS-22-008"

The housing will withstand exposure to 260°C peak temperature for 3-5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.

rev	ecn no	dr	date
C	LS20341	DLE	2002/06/04
D	LS3077	MPE	2003/09/17
E	LS3088	MPE	2003/10/13
F	105-0176	NT	2005/09/30
G	106-0078	DTK	2006/06/19
H	107-0136	SSC	2007/10/10
J	109-0013	SSC	2009/01/24

General Tolerances	
0 to 10mm:	±0.1mm
10 to 30mm:	±0.15mm
30 to 60mm:	±0.2mm
60 and more:	±0.3mm

www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	J. TARON	2002/09/17	ANGULAR	0.x	±		A3	1:1
Eng	LE GALLIC	2002/10/11	LINEAR	0.xx	±			
Chr	S. VARMA	2009/01/24	0° ±'	0.xxx	±		ECN	109-0013
Appr	K.V.SIVADAS	2009/01/24	Product family	MOBILE I/O		Spec ref	--	--
FCJ		CARD READER WITHOUT CARD		dwg no		J		Rev.
		SMART CARD READER VXX 27790				J		
catalog no				CUSTOMER		sheet 1 of 1		

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