

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[7431E0225S01LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

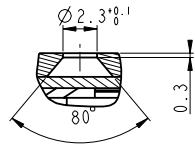
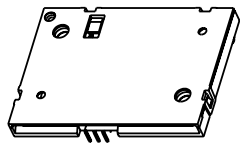
PART NUMBER	LEAD FREE VERSION
7431E0225S01	7431E0225S01LF

A

B

C

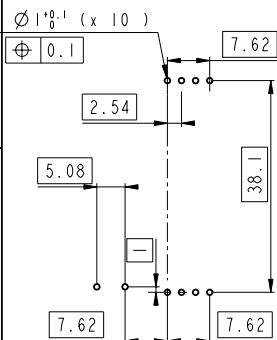
D



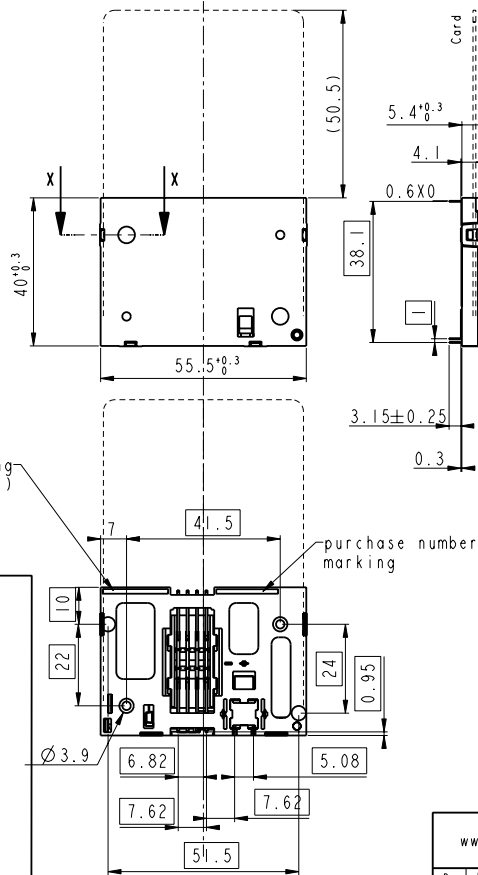
SECTION X-X
SCALE 4:1

card insertion
direction

Recommended PCB Layout
(Component side)



manufacturing
date(year-week)



purchase number
marking

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 10mA, 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.

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

rev	ecr 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

www.fciconnect.com		surface	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	J. TARON	2002/09/17	ANGULAR	LINEAR	0.X	±	size	A3
Eng	LE GALLIC	2002/10/11	0°	±°	0.XX	±	ECN	109-0013
Chr	S. VARMA	2009/01/24	0°	±°	0.XXX	±	Spec ref	--
Appr	K.V.SIVADAS	2009/01/24	Product family		MOBILE I/O		Rev.	
FCI		TITLE		CARD READER WITHOUT CARD		VJW54076		J
		catalog no		--		CUSTOMER		sheet 1 of 1

PDM: Rev:J STATUS:Released Printed: Oct 29, 2011

A

B

C

D