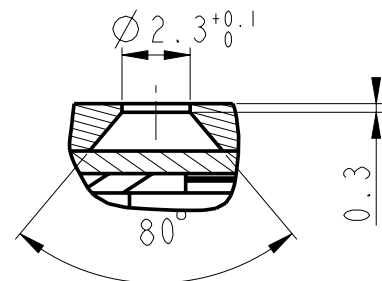
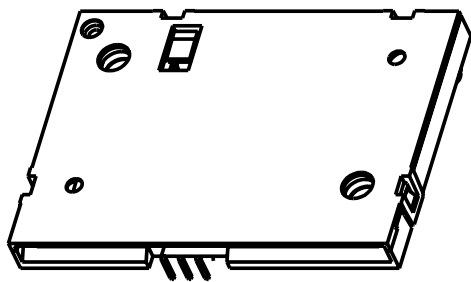


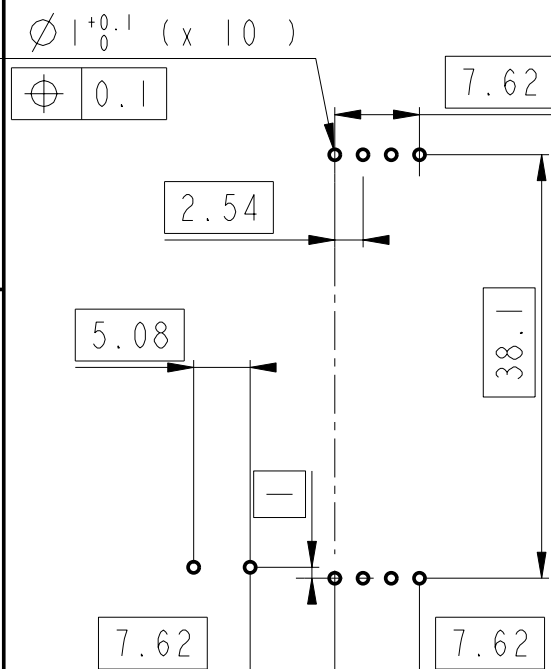
<b>PART NUMBER</b>	<b>LEAD FREE VERSION</b>
7431E0225S01	7431E0225S01LF



SECTION X-X  
SCALE 4:1

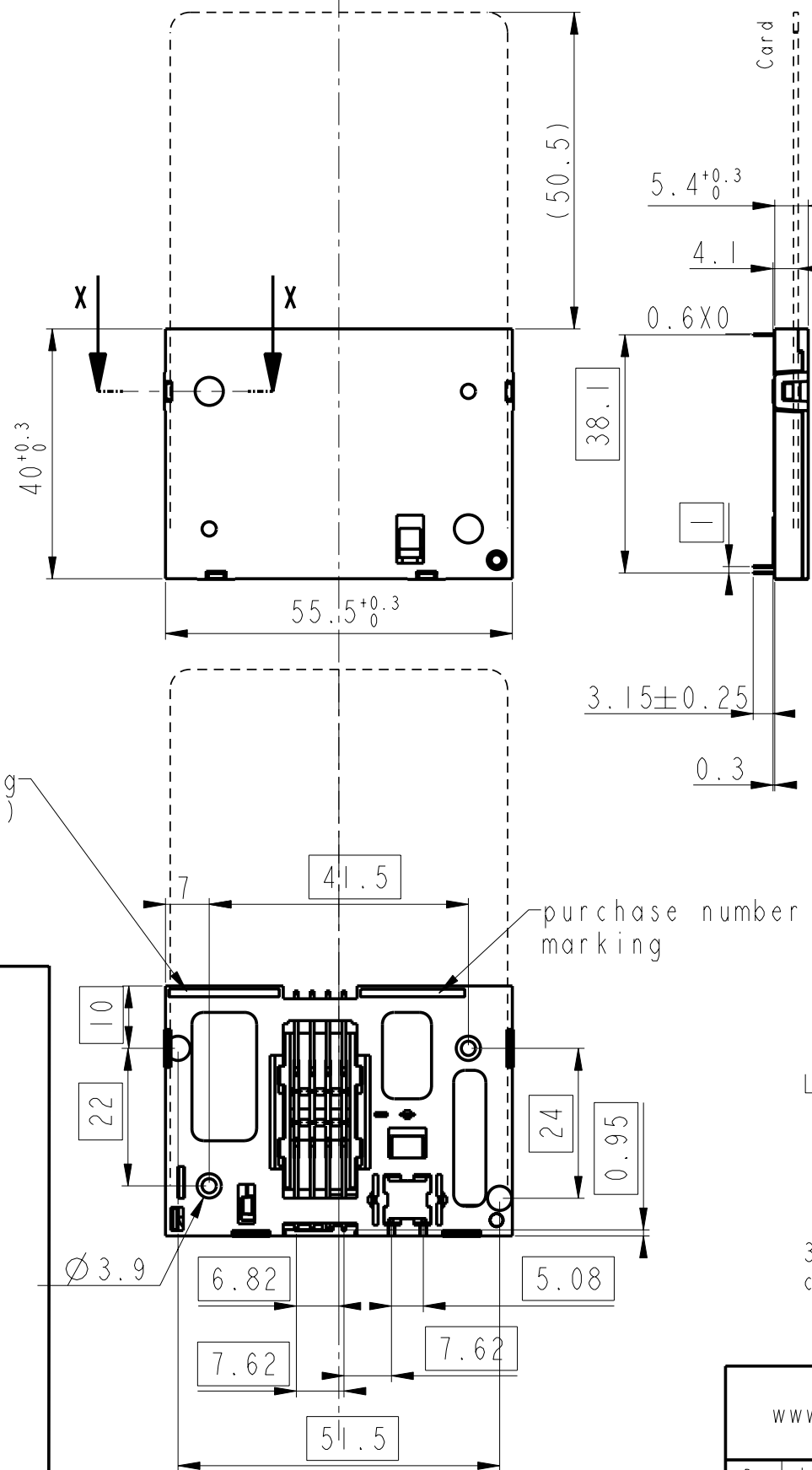
card insertion  
direction

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 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.

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	0.X ±
Eng	LE GALLIC	2002/10/11	LINEAR	0.XX ±
Chr	S. VARMA	2009/01/24	0° ±°	0.XXX ±
Appr	K.V. SIVADAS	2009/01/24	Product family	MOBILE I/O
FCI			CARD READER WITHOUT CARD	
			SMART CARD READER VXX 27790	
Rev. J			VJW54076	
catalog no			CUSTOMER	
			sheet 1 of 1	

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