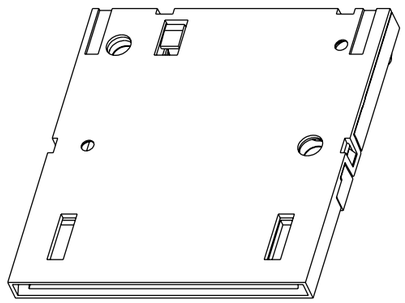
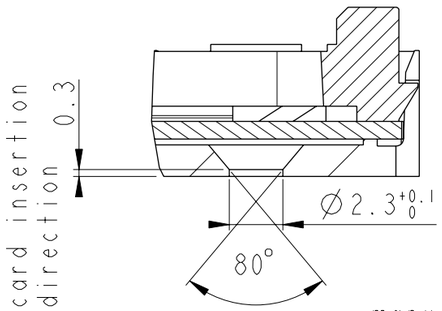
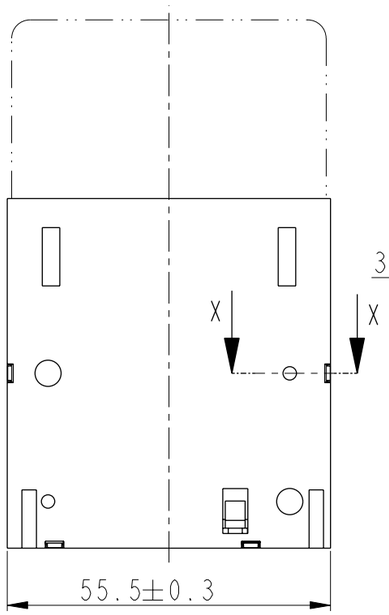
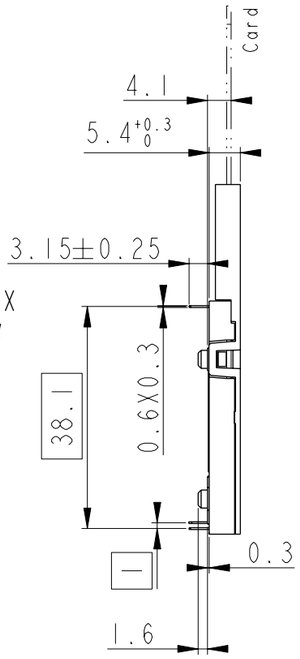
PART NUMBER	LEAD FREE VERSION	MARKING
7432E0525S01	7432E0525S01LF	YES

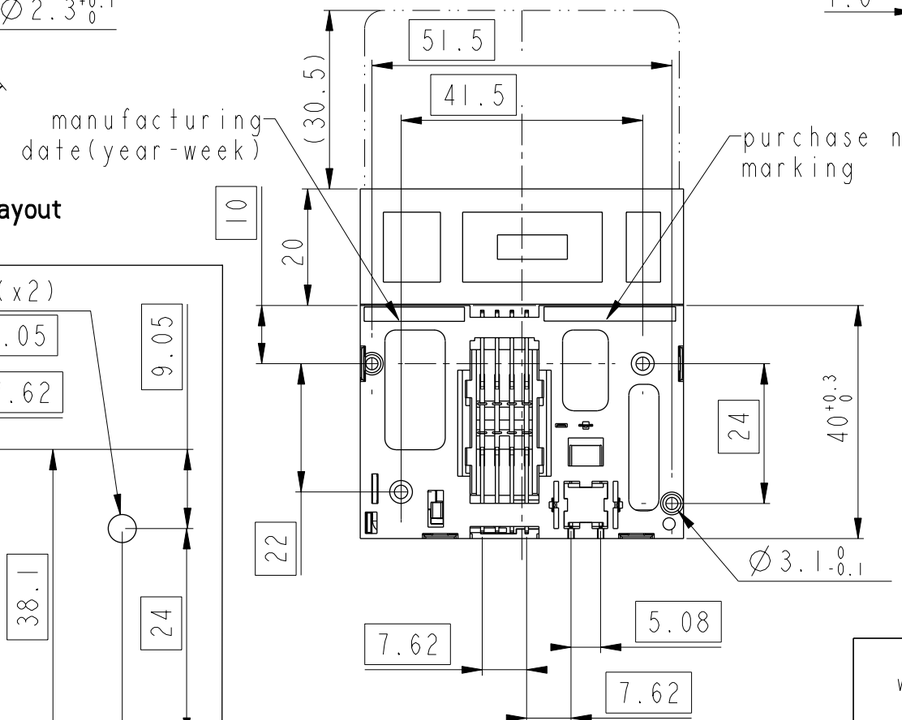




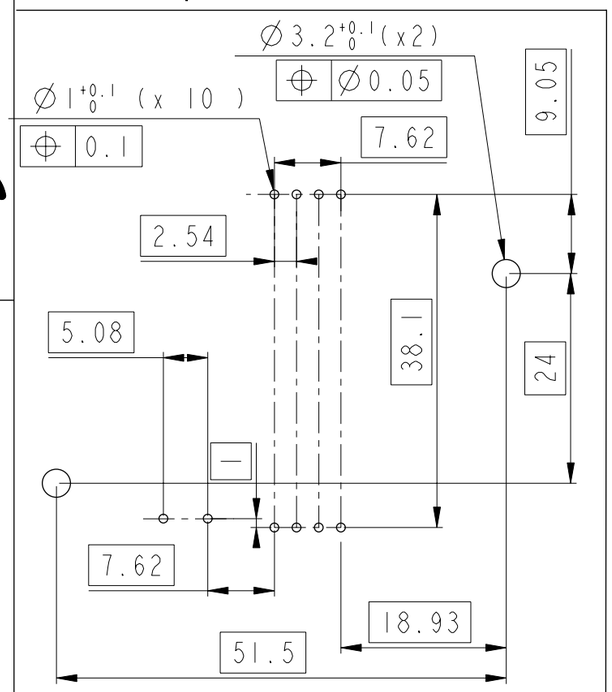
SECTION X-X
SCALE 4:1







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
Curent carrying capacity	: Min 10µA, Max 1A
Contact resistance	: < 100mΩ

MECHANICAL PROPERTIES :
Operating force : Insertion : F < 10N
Withdrawal : 1 < F< 6.5N
Contact Normal force : 0.2 < F< 0.3 for 0.6mm of deflection
Durability : 200 000 mating cycles

MATERIAL :
Head reader :High temp. thermoplastic, Colour Grey, Rated UL94V0
Cover : Thermoplastic, Rated UL94V0
Contacts : Copper alloy,
Plating : Gold over Nickel or Equivalent on contact area
SnPb(60/40) over Nickel on solder tails(FOR LEADED VERSION)
Matte Tin min. 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 3-5seconds in a wave solder application with a 1.6mm minimum thick circuit board.

rev	ecn no	dr	date
A	F20307	DLE	2002/04/29
B	F20341	DLE	2002/06/04
C	LS3088	JTA	2003/11/28
D	105-0176	NT	2005/09/30
E	106-0078	DTK	2006/06/19
F	108-0136	SSC	2008/10/10
G	108-0166	SSC	2008/12/13

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

Dr	J.TARON	2002/04/29	ANGULAR	LINEAR	0.X	±	size A3 / Scale 1:1
Eng	LE GALLIC	2002/04/29			0.XX	±	
Chr	S.S.CHERIAN	2008/12/13	0° ±°		0.XXX	±	ECN 108-0166
Appr	S.S.CHERIAN	2008/12/13	Product family MOBILE I/O				Spec ref --

title: E05 WITH PEG
SMART CARD READER VXX 27787
dwg no: VJW54006
Rev. G
catalog no See Table | CUSTOMER | sheet 1 of 1

Copyright FCI.

REV F - 2006-04-17

PDM: Rev:G STATUS:Released Printed: Dec 18, 2008