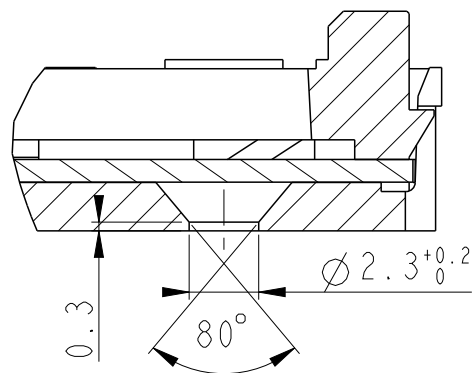
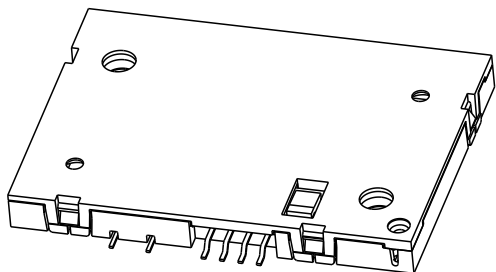




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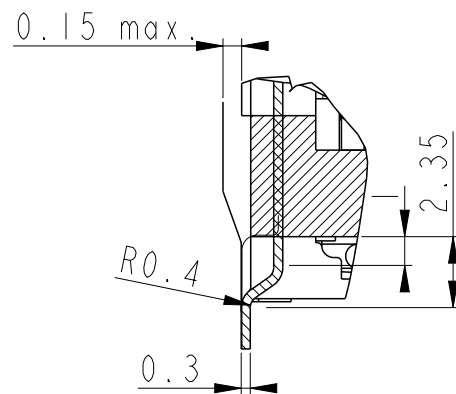
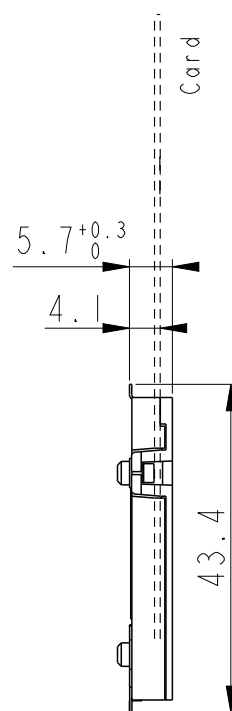
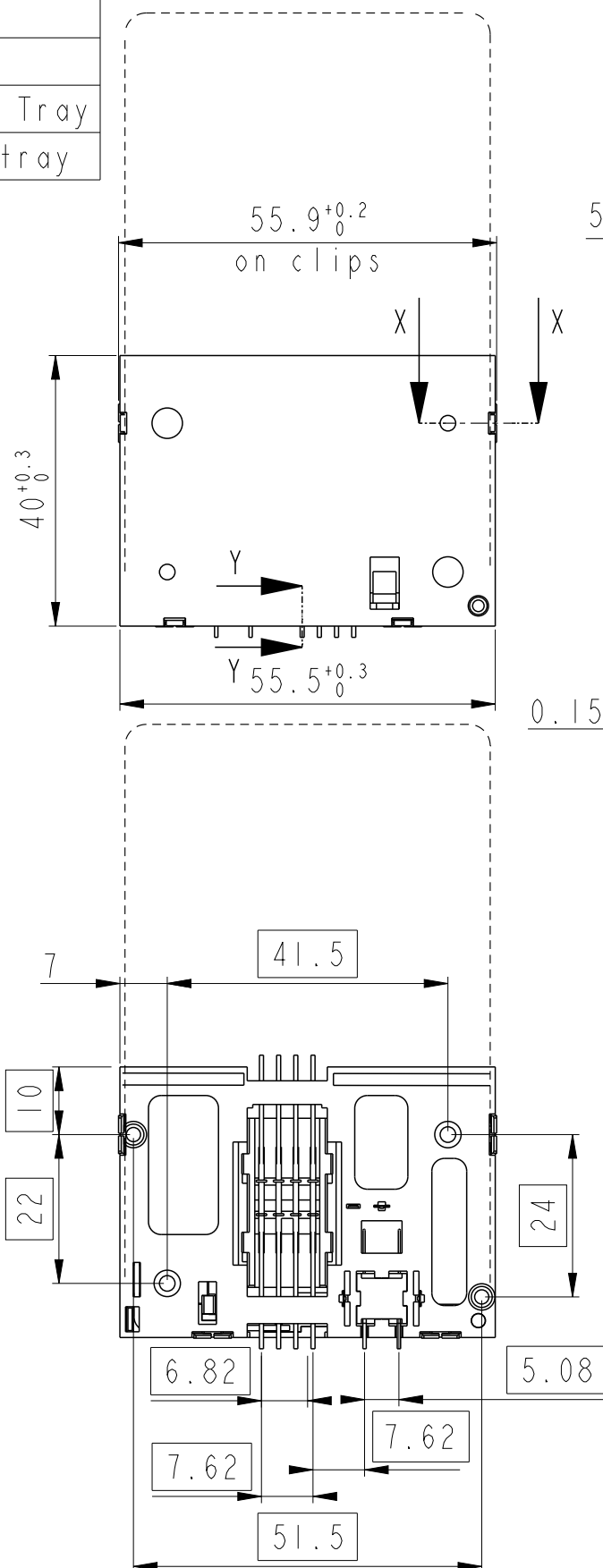
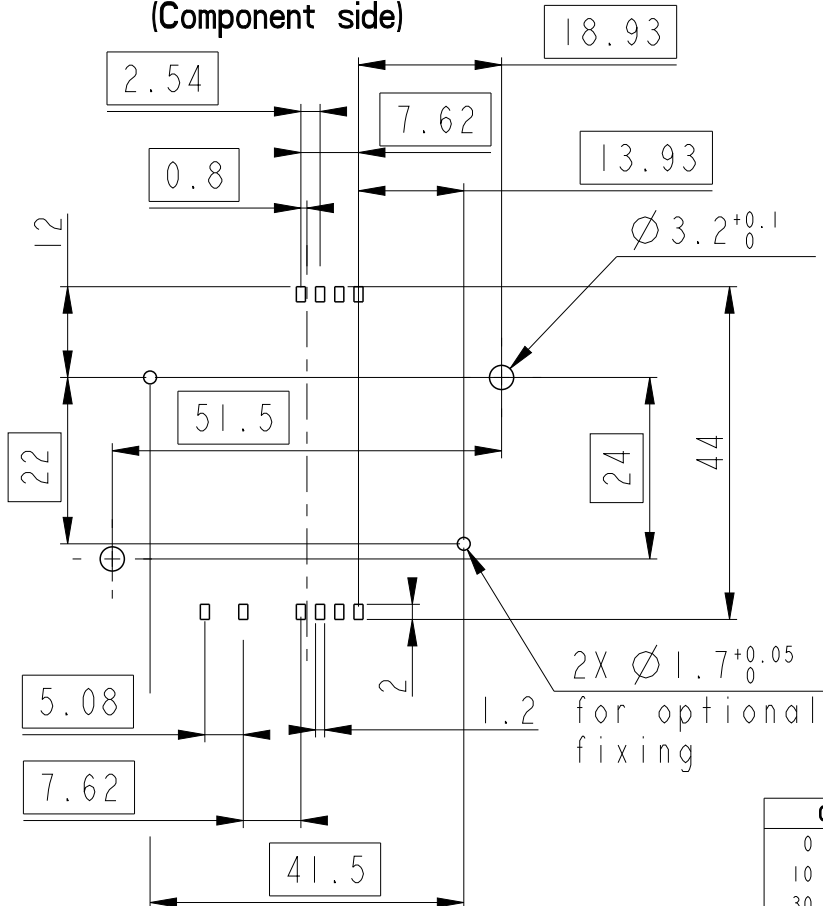
PART NUMBER	LEAD FREE VERSION	PACKAGING
7312E0225S01	7312E0225S01LF	Std Tray
7512E0225S01	7512E0225S01LF	Antistatic Tray
7712E0225S01	7712E0225S01LF	Small qty tray

card insertion
direction



SECTION X-X
SCALE 4:1

Recommended PCB Layout
(Component side)



SECTION Y-Y
SCALE 4:1

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 : High temp. Thermoplastic, Black, Rated UL94V0
Cover : SEE TABLE, Rated UL94V0
Contacts : Copper alloy,
Plating : Nickel min. all over
Gold/Equivalent PdNi on contact area
Matte tin min. on solder tails

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-47-0004"

The housing will withstand exposure to 260°C peak temperature for 10 seconds in a convection reflow oven.

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

spec ref		--		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406				
ISO 1101				
surface		linear	0.X	±
			0.XX	±
			0.XXX	±
		ISO 1302	angular	0°

projection		size	A3	scale	1:1
mm		ecn no	ELX-I-15846-1		
product family		MOBILE I/O	rel level	Released	
title		E02 SMART CARD	dwg no	VJW54003	rev
SMT VERSION WITH PEG					G
www.fci.com	cat. no.	See Table	Product - Customer Drw	sheet 1 of 1	