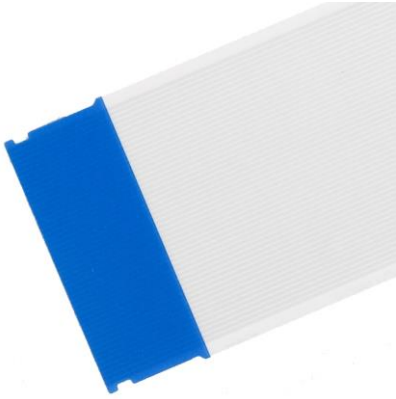


**FACIB-xx-T 125°C FFC unshielded for IRISO IMSA Auto-i-Lock series**

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**Features**

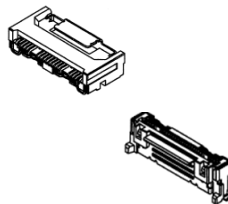
Compatible with  
Iriso Auto-i-Lock Series  
Temperature Rating 1000h/125°C  
High flexibility and softness



**Compatible Connector:**

IMSA-11501S-xx – horizontal 105°C  
IMSA-11507S-xx - horizontal 125°C

IMSA-11600S-xx – vertical 105°C  
IMSA-11607S-xx – vertical 125°C

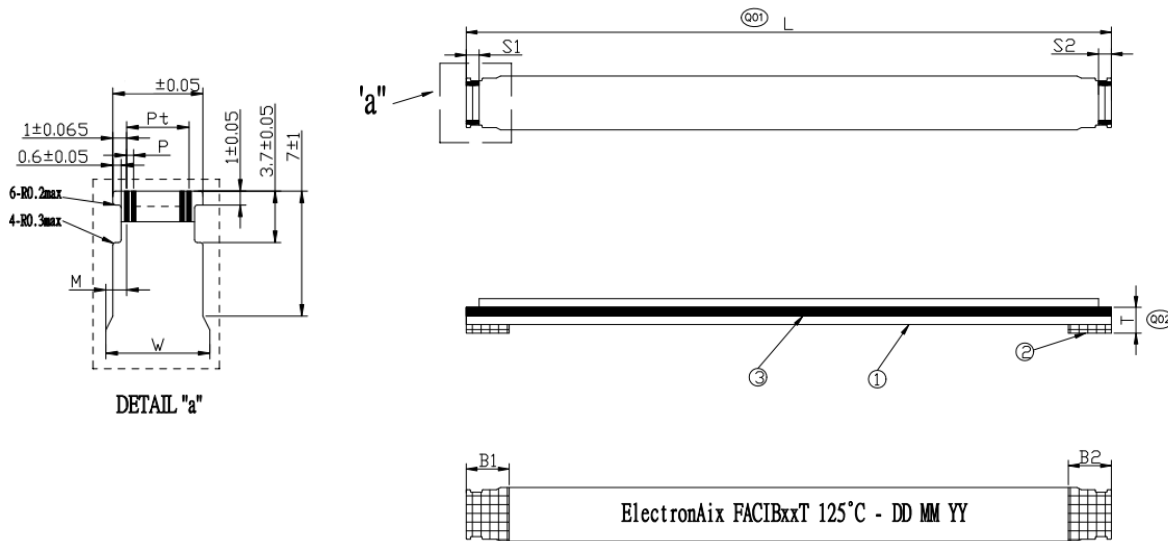


**Also mating connector, but not compatible:**

IMSA 12001S  
IMSA-9685S-i-Lock  
IMSA-9686S-iLock  
IMSA-9687S-iLock  
IMSA-9697S-iLock  
IMSA-9698S-iLock

## FACIB-xx-T 125°C FFC unshielded for IRISO IMSA Auto-i-Lock series

Dimensions:



Pitch	P	0.5	±0.03
Total Pitch	Pt	(n-1) x 0.5	±0.05*
Width	W	(n+5) x 0.5	±0.07
Insert Thickness	T	0.3	±0.03
Strip length	S1	3.0	±0.5
	S2	3.0	±0.5
Reinforcement tape length	S3	10*	±2
	S4	10*	±2
Inner length	IL	TL-(S1+S2)	±2
Total length	TL	LLL	±2
No. of pins	N	NN	
Standard Conductor Dimension **	Thickness 1	0.035	±0.005
	Width	0.3	±0.03
Slanting	A	< 0.3	

\* Tolerance depending on connector spec. small tolerance is possible

\*\* or customized length

\*\*\* wire options see below

## FACIB-xx-T 125°C FFC unshielded for IRISO IMSA Auto-i-Lock series

### Possible Types:

A = SAME = Same Side



Print on this side: ElectronAix FACIBxxT

B = OPP = Opposite Side



Print on one side: ElectronAix FACIBxxT

### Partnumber:

FACIB			P		-	33		33	GT
FACIB	T	NN	P	LLL	-	33	SS	33	GT
									Gold Plating High Temperature
									Wire Dimension 0,3x0,035 (options see table)
									<b>SS = Supporter Tape Length; 10mm/10mm Standard</b>
									Strip Length in 3mm/3mm – no option
									<b>LLL = Total Length in mm</b>
									<i>P=Positions</i>
									<b>NN = No of Wires: 10 to 80</b>
									<b>T = Type: A = same Side / B = Opposite Side</b>
Product Series = FFC Aix Catcher Iriso Auto-i-Lock									

### Wire options

P/N	Thickness	Width	Resistance (Ohm)	Rated Current
32	0,032	0,28	2.6Ω/m	0.3A
<b>33</b>	<b>0,035</b>	<b>0,3</b>	<b>2.0Ω/m</b>	<b>0.3A</b>
53	0,05	0,3	1.6Ω/m	0.4A

### Contact us for customizations:

- Shielded with double side wrapped shield FACIE-xx
- Shielded with double side laminated shield FACIE-xx-L
- LVDS with Impedance 90Ohm or 100Ohm – FACIL-xx-H Single side LVDS up to 17Gbit/sec
- LVDS with Impedance 90Ohm or 100Ohm – FACIL-xx-HD – Double sided LVDS up to 17Gbit/sec
- Other wire dimension
- Special print or labels
- Folding

### Environmental

The products meet EU RoHS Directive 2011/65/EU, including the delegated regulation (EU) 2015/863  
The products meet EU REACH Directive 1907/2006/EU



## FACIB-xx-T 125°C FFC unshielded for IRISO IMSA Auto-i-Lock series

### Specification

#### 1. Scope

For Laminated Flat Cable (Flat Conductor) With Reinforcing Tape

#### 2. Applicable documents

The specification covers the construction and electrical properties of laminated flat cable (Flat Conductor) with reinforcing tape based on UL subject 758.

#### 3. Material

3.1 Insulation: PET, White, T=0.065mm, 125°C 60V VW-1

3.2 P/ Tape: PET, T=0.218mm

3.3 Conductor: Cu, 0.3\*0.035mm

3.4 Plating: Au (2µ" min)

#### 4. Rating

4.1 Operating Voltage : 60V

4.2 Current Rating : 0.3A

4.3 Normal use Inserting: 5 cycles

4.4 Ambient Temperature Range: -40 ~ + °C 125°C

4.5 Warehouse Conditions: 25°C±15°C ; ≤60%RH

#### 5. 6. Appearance

Reference 《DOC-JWI-QA0121-XXX FFC Inspection SOP

### 6 Tests

Item	Test Method	Specification
Conductor resistance	JIS C3102 at 20°C	See Table
Insulation resistance	DC250V (0,5mm Pitch) 20°C DC500V (1,0mm Pitch) 20°C	>100 MOhm >100 MOhm
Dielectric withstanding voltage between conductors	AC250V 1min (0,5mm Pitch) AC500V 1min (1,0mm Pitch)	No Breakdown Current Leakage 1mA max
Flexing	180° bending	>20 Cycles
	U-Bending R5x50mm Stroke 60 cycles / min	>100.000 Cycles
Heat Resistance	125°C 1000hrs	Insulation and Dielectric withstanding Voltage pass
Temperature Cycling	- 40° 4hrs +25° 2hrs +125° 4hrs +25° 2hrs 50 Cycles	Insulation and Dielectric withstanding Voltage pass
Cold Resistance	-40°C 96hrs	Insulation and Dielectric withstanding Voltage pass
High Temperature High Humidity	85°C 85%RH 1000hrs	Insulation and Dielectric withstanding Voltage pass
Salt Spray	35°C 24hrs PH 6.5-7.2	before and after test, no corrosion and oxidation at contact area

## **FACIB-xx-T 125°C FFC unshielded for IRISO IMSA Auto-i-Lock series**

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### **7 Special Attention**

- 7.1 Please hold supporting tape, then insert or pull out the FFC from a connector in a straight
- 7.2 When insert to connector, please avoid excessive force
- 7.3 After insert to connector, shall be not bended at Supporting-tape excessive, because Joiner is broken
- 7.4 For gold plated FFC, there is the Ni-plating, so please do not bend the FFC at the terminal part of Conductor. Otherwise a crack will be occurred at the plated part; after insert into the Connector, please also do not bend the FFC at the part of Supporting-tape, otherwise a crack will be occurred at the plated part.
- 7.5 Please avoid excessive force around supporting-tape
- 7.6 Please evaluate FFC properties in advance when use under particular condition (High temperature, High Humidity etc). There is possibility to be corrosion after 6 month
- 7.7 Please avoid the moving wiring at bending portion
- 7.8 Please estimate enough space when Joiner is used the moving wiring
- 7.9 When dropped to the floor, please clean Joiner's leads
- 7.10 Please don't touch the terminal part of the Conductor by hand, for it will cause discolored or rusted
- 7.11 Please don't use the sulfurous material together with the FFC to prevent short circuit between sulfurized conductors
- 7.12 Before Assembly: Expiry Date For One Year  
After Assembly: Expiry Date For Fifteen Years