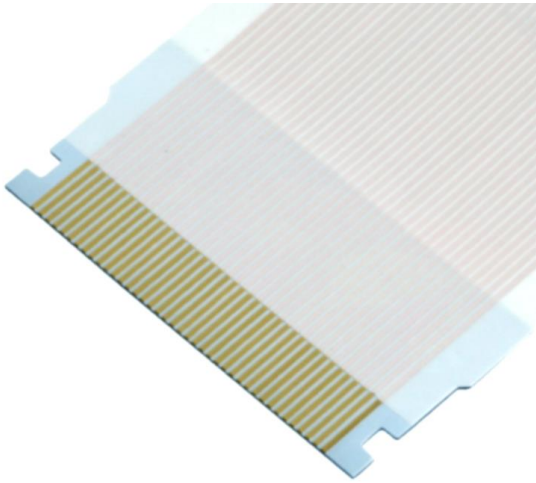


FAK1-xx-T 125°C FFC unshielded for AVX-Kyocera 6810 Series



Features

Compatible with Connector Series
Kyocera 6810 Series

Temperature Rating 1000h/125°C
High flexibility and softness

Mating Connector:

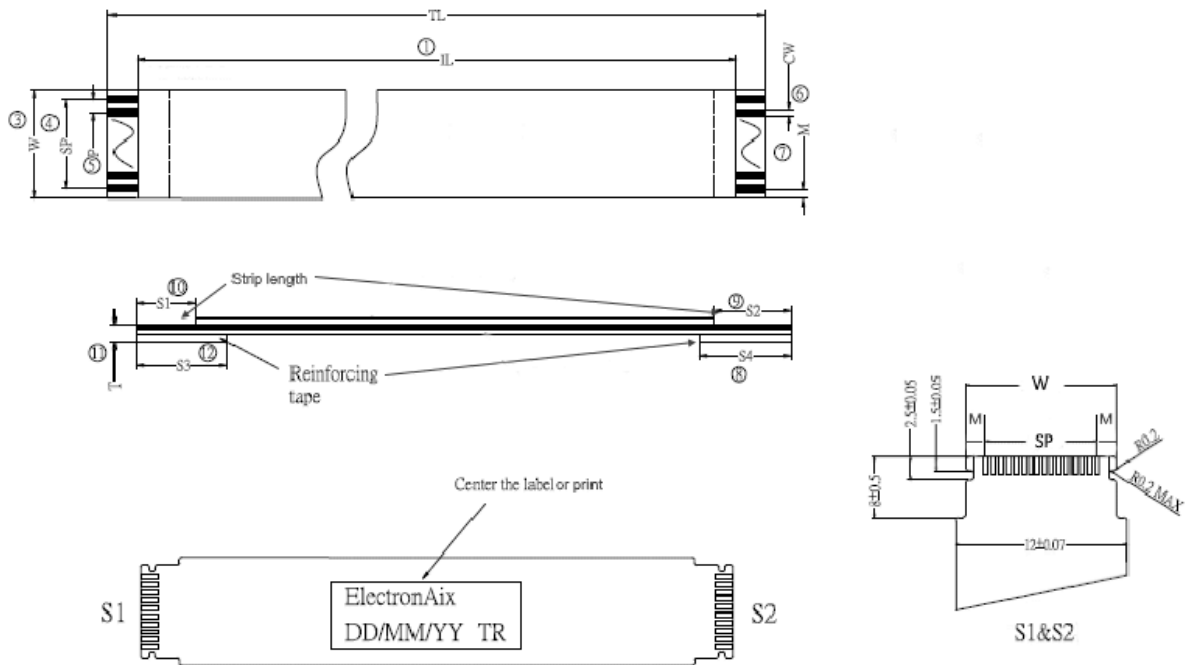
Kyocera 6810 series



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Dimensions:

Drawing only for reference



Pitch	P	0.5	±0.05*
Total Pitch	Pt	(N-1) x 0,5	±0,05*
Width	W	(N+9) x 0.5	±0.07
Insert Thickness	T	0.3	±0.03
Strip length	S1	2.3	±0.5
	S2	2.3	±0.5
Reinforcement tape length	S3	12**	±1
	S4	12**	±1
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	+0.05 -0.02
Slanting	A	< 0.3	

* Tolerance depending on

connector spec. smaller tolerance is possible

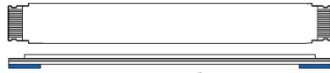
** or customized length

*** wire options see below

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Possible Types:

A = SAME = Same Side



Print on this side: ElectronAix FACK1xxT

B = OPP = Opposite Side



Print on one side: ElectronAix FACK1xxT

Partnumber:

FAK1			P		-	23		33	GT
FAK1	T	NN	P	LLL	-	23	SS	33	GT
									<i>Gold Plating, High Temperature</i>
									Wire Dimension standard 0,3x0,035 (options see table)
									SS= Supporter Tape Length; 12mm/12mm = Standard
									<i>Strip Length in 2.3mm/2.3mm – no option</i>
									LLL= Total Length in mm
									<i>P=Positions</i>
									NN = No of Wires: 10 to 60
									T = Type: A = same Side / B = Opposite Side
<i>Product Series FACK1 = FFC Catcher Kyocera 6810 series with Print and Lotnumber</i>									

Wire options

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

*standard

Contact us for customization:

- 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



FAK1-xx-T 125°C FFC unshielded for AVX-Kyocera 6810 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 1200hrs	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 1200hrs	Insulation and Dielectric withstanding Voltage pass
High Temperature High Humidity	+85°C 85%RH 1200hrs	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

FAK1-xx-T 125°C FFC unshielded for AVX-Kyocera 6810 Series

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 when Joiner is used the moving wiring
- 7.9 When dropped floor, please clean Joiner's leads
- 7.10 Please do not touch the terminal part of Conductor by hand, for it will cause discolored or rusted
- 7.11 Please don't use the sulfurous material, together with FFC due to prevent short circuit between sulfurized conductors
- 7.12 Before Assembly: Expiry Date For One Year
After Assembly: Expiry Date For Fifteen Years