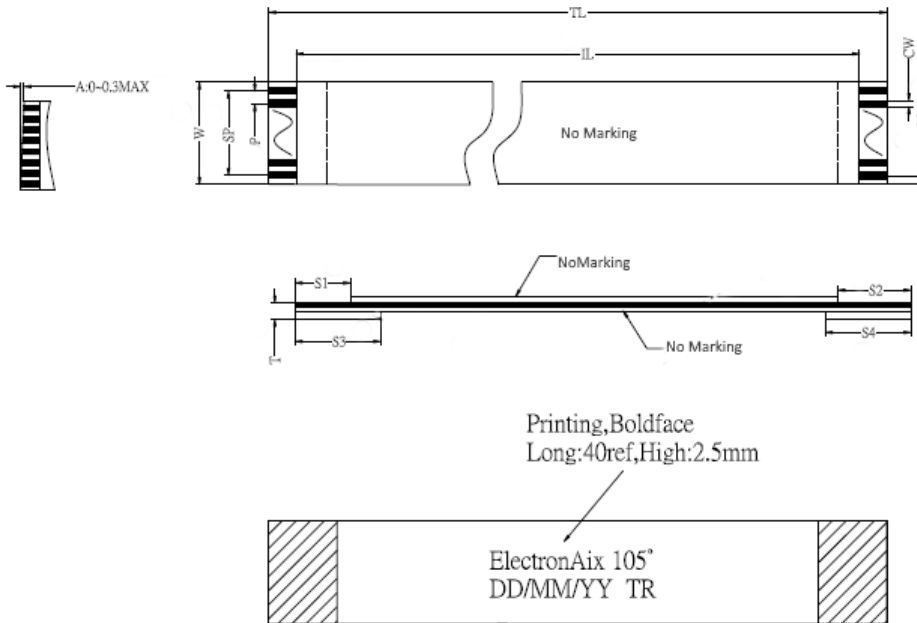


FA05-xx FFC Standard Pitch 0,5 unshielded

Drawing only for reference:



Pitch	P	0.5	±0.05
Span	SP	(N-1)x0.5	±0.05
Width	W	(N-)x0.5+1	±0.07
Margin	M	0.5	±0.08
Insert Thickness	T	0.3	±0.03
Strip length	S1	3*	±0.5
	S2	3*	±0.5
Reinforcement tape length	S3	6*	±1
	S4	6*	±1
Inner length	IL	TL-(S1+S2)	±2
Total length	TL		±2
No. of pins	N	NN (10-60)	
Conductor dimension	Thickness 1	0.035	±0.005
	Thickness 2	0.05	±0.005
	Width	0.3	±0.03
Slanting	A	< 0.3	

* or customized lengths

FA05-xx FFC Standard Pitch 0,5 unshielded

Possible Types:

A = SAME = Same Side



Print on this side: ElectronAix + Lot-No.

B = OPP = Opposite Side



Print on one side: ElectronAix + Lot-No.

Partnumber:

FA05 T NNP LLLL – 33SSXX G

FA05 T NNP LLLL – 33SS XX G

G = Plating Gold Au; Blank = Sn

XX = Indicator Conductor Dimension - 33= 0,035x0,3; 53 = 0.05x0.03

33SS = Strip lengths 4mm/4mm; SS = Reinforcement tape lengths

LLLL = Length in mm

NN(P) = No. of Wires/Positions (10-60)

T =Type(A=Same; B= Opp)

FA05 =FFC 0,5mm Pitch with Print and Lotnumber

Example (standard version): FA05A50P0800-336633G

= FFC 0,5mm 105° 60V Same 50P 800mm (3/3/6/6) (0,035x0,3mm) Au plating

Custom specific dimension and options:

*1 Fill in number of wires

*2 Fill in the wanted total length

*3 Choose the wanted conductor dimensions – **33** = 0,035x0,3 or **53** = 0,05x0,3

*4 Fill in other strip lengths than recommended FA05xx series / Blank = Standard 3mm/3mm

*5 Fill in other reinforcement tape lengths than recommended FA05xx series / Blank = Standard 6mm/6mm

Number of wires/positions	Total length	Conductor dimension	Strip lengths	Reinforcement tape lengths
NN	LLLL	XX	S1 / S2	S3 / S4
*1	*2	*3	*4 / *4	*5 / *5

Other specific solution which requires customer specific drawings:

*6 Special text for print or labels (not standard e.g. “customer part number”)

*7 Fold (not standard). How much folds and needed dimensions and angles

*8 EMI shielded, LVDS 100OHM Impedance; High speed; others

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



FA05-xx FFC Standard Pitch 0,5 unshielded

Characteristics

Item	Test Method	Specification
Flameability	UL	VW-1
*Conductor resistance	JIS C-3002 at 20°	<2,0 Ω/Km
**Conductor resistance	JIS C-3002 at 20°	<1,4 Ω/Km
Insulation resistance	DC500V 1min. at 20°	>1000 MΩ
Dielectric withstanding voltage between conductors	AC500V 1min	No Breakdown
Rated Voltage / temperature	--	60V /105°
Operating Temperature	--	-40°C~+110°
*Rated Current	--	0,5A
**Rated Current	--	0,7A
Continuity	DC3,0V 0,1mA E. Tester	No open /short circuit
Heat Resistance	110° 96hrs	Insulation and Dielectric withstanding Voltage pass
Temperature Cycling	-40° 4hrs 110° 4hrs 25° 1hr 5 Cycles	Insulation and Dielectric withstanding Voltage pass
Humidity	40°C 95% RH 96hrs	Insulation and Dielectric withstanding Voltage pass
Folding Test	180° Folding	>30 Cycles
*Flexing Test	R=15mm, Speed:70cycles/min, Stroke:100mm	10.000.000 Cycles
**Flexing Test	R=15mm, Speed:70cycles/min, Stroke:100mm	1.000.000 Cycles
Insulation Elongation	JIS-K-6732	>60%
Insulation Tensile Strength	JIS-K-6732	>3,5Kg /mm ²
Abrasion	0,5mm, 600g 60 cycles / min.	>10000cycles

* Conductor Dimensions 0.035x0.3mm (thickness x width)

** Conductor Dimensions 0.05x0.3mm (thickness x width)