

**Features & Advantages**

- Light weight and flexible
- Compactness of electronic products
- Easy assembling and low production cost
- Simple and clean internal design

**Materials**

- Conductor : See ordering code
- Insulation : Polyester (PET)
  - Adhesive layer : Flame retardant Polyvinyl chloride (PVC) or Polyester adhesive layer
  - Color : White or Black
- Support Tape : Polyester (PET)
  - Adhesive layer : Polyester adhesive layer
  - Color : Blue

**Rating**

- UL File No. : E208903

UL Style	Temp.	Volt.
2896	80°C	30V
20624	80°C	60V
20798	80°C	60V
20706	105°C	60V
2643	105°C	300V
2742	105°C	300V
20960	105°C	300V

\*Standard Products:UL20706,UL20960

\*Other UL type required, please consult sale person.

**Applications**

- Audio, Video, Scanner, Cordless Phone, Fax, Note Book P.C., PDA, Car Audio, LCDs, Home Equipment....ETC.
- Shield Type : EMI Application



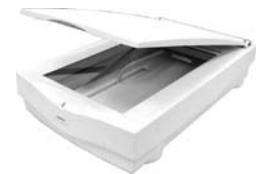
DVD



Notebook P.C



Printer



Scanner



Digital Camera



H.D



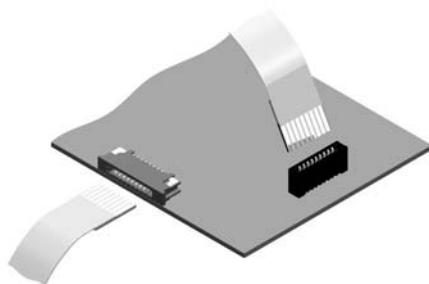
Cellular phone



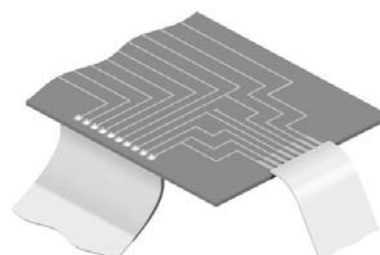
CD-ROM

**Connections**

- PLUG IN



- SOLDERING



**Ordering Code**

① **F F C**
② **C**
③ **1 2**
④ **0 4**
⑤ **T**
⑥ **1**
⑦ **0 6 0**
⑧ **0**
⑨ **0**
⑩ **- 3**
⑪ **0 0**

- ① Series No.
- ② Conductor Pitch:

Code	Pitch(mm)
A	2.54
B	1.25
C	1.00
D	0.80
E	0.50

- ③ Number of Conductors
- ④ Material : Copper Conductor Size

Code	Size		Applying Pitch(mm)
	Thickness	Width	
01	0.1	1.27	2.54
02	0.1	0.8	1.25
03	0.05	0.8	
10	0.035	0.8	
04	0.1	0.7	1.00
05	0.05	0.7	
06	0.35	0.7	
07	0.1	0.5	0.80
08	0.05	0.3	0.50
09	0.035	0.3	

- ⑤ Plating code: T= Sn, B= Sn/Bi, G= Gold
  - ⑥ Terminal Types: See below Terminal Types table  
Sn plated conductor for type 1, type 2, type 7, type 9  
Gold or Sn/Bi plated conductor for type 1 and type 2
  - ⑦ Overall Length
  - ⑧ Strip Length: 0 = Standard
    - When the conductor pitch is 0.5 and 0.8mm; Standard strip length = 4.0mm
    - When the conductor pitch is 1.0, 1.25 and 2.54mm; Standard strip length = 5.0mm
    - Other length options available
  - ⑨ Support Tape Length: 0 = Standard
    - When the conductor pitch is 0.5 and 0.8mm; Standard length = 8.0mm
    - When the conductor pitch is 1.0, 1.25 and 2.54mm; Standard length = 10.0mm
    - Other length options available
    - Max. Support Tape length: 20.0mm
  - ⑩ UL Style No.
    - -N=Non printing(Standard)
    - -3=UL 20706(Standard)
    - -6=UL 20960(Standard)
  - ⑪ Other Option:
    - 00=Standard
- \* Minimum order Quantity per order: 5000pcs / order(Standard)

**Terminal Types table**

**Sn or Sn/Bi Plated:**

Code	Type	Code	Type
T1(B1)		T7	
T2(B2)		T9	

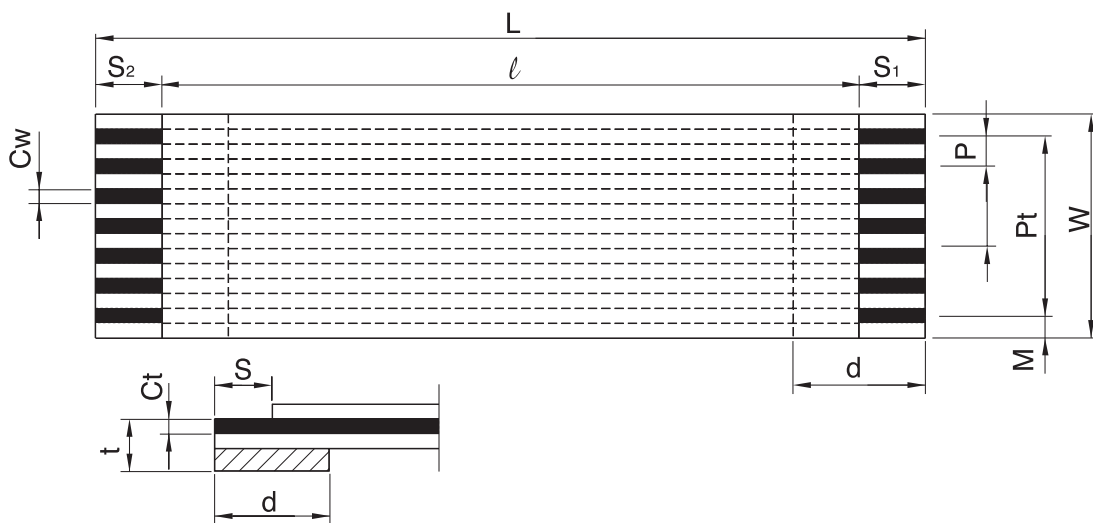
**Gold Plated:**

Code	Type	Code	Type
G1		G2	

**Shape, Construction and Dimensions**

Unit:mm

No.	ITEM	Abbr.	FORMULATION	TOLERANCE				
				P=0.5	P=0.8	P=1.00	P=1.25	P=2.54
1.	Pitch	P	Typical	±0.05	±0.08	±0.08	±0.10	±0.20
2.	Total pitch	Pt	$Pt=(n-1) \times P$	±0.08	±0.10	±0.10	±0.15	+0.2/-0.4
3.	Width	W	$W=(n+1) \times P$	±0.08	±0.10	±0.10	±0.20	+0.2/-0.4
4.	Margin	M	$M=(W-Pt)/2$	±0.08	±0.12	±0.12	±0.20	±0.30
5.	Insulation length	l	$l=L-(S1+S2)$	(30-100)±3, (101-300)±5, (301-600)±10, (Length more than 601mm)±15mm				
6.	Total (Cable) length	L	$L=l+(S1+S2)$					
7.	Strip length	S	When the terminal type is T1, T2 ; $S1 = S2$	4±1		5±1		
8.	Support tape length	d	$d=S \times 2$	8±2		10±2		
9.	Conductor width	Cw	Various	0.3±0.02	0.5±0.03	0.7±0.03	0.8±0.03	1.27±0.04
10.	Conductor thickness	Ct	Various	N/A	0.1±0.01			
				0.05±0.01				
				0.035±0.01				
11.	Terminal thickness	t	Typical	0.29~0.34				



**Performance**

**Electrical Performance**

ITEM	TEST CONDITION	REQUIREMENT								
		Conductor size		Resistance	Remarks					
1.1	Conductor resistance	JIS C-3102 (at 20°C)	Ct	Cw		Tinned copper				
							0.1	1.27	less than 0.20 Ω/m	
			0.8	less than 0.26 Ω/m						
			0.7	less than 0.33 Ω/m						
			0.5	less than 0.42 Ω/m						
			0.3	less than 0.70 Ω/m						
			0.8	0.8			less than 0.52 Ω/m			
				0.7			less than 0.65 Ω/m			
				0.6			less than 0.70 Ω/m			
				0.3			less than 1.40 Ω/m			
			0.035	0.8			less than 0.82 Ω/m			
				0.7			less than 1.09 Ω/m			
				0.3			less than 2.20 Ω/m			
			1.2	Dielectric strength			AC 500V 1 min	NO breakdown		
			1.3	Insulation resistance			DC 500V	More than 1000MΩ/m		

**Mechanical Performance**

ITEM	TEST CONDITION	REQUIREMENT	
2.1	Elongation of insulator	JIS K-6732	More than 60%
2.2	Tensile strength of insulation	JIS K-6732	More than 3.5kg/mm <sup>2</sup>
2.3	Abrasion test	ø0.5mm, 600g, 60 cycles/min.	More than 10,000 times
2.4	Pull-out test	–	More than 20 times

**Environmental Performance**

ITEM	TEST CONDITION	REQUIREMENT	
3.1	Operation temperature	–	-30°C~+105°C
3.2	Heat resistance	85°C x 95 Hrs	Electrical Performance item 1.2 and 1.3 Pass
3.3	Heat cycle test	-40°C→+25°C→+85°C→+25°C 12 Hrs x 2 cycle	
3.4	Moisture resistance	40°C, 95% RH x 96Hrs	
3.5	Flame test	UL Sub.758	VW-1 Pass
3.6	Flexing test	180° folding test	More than 20 times