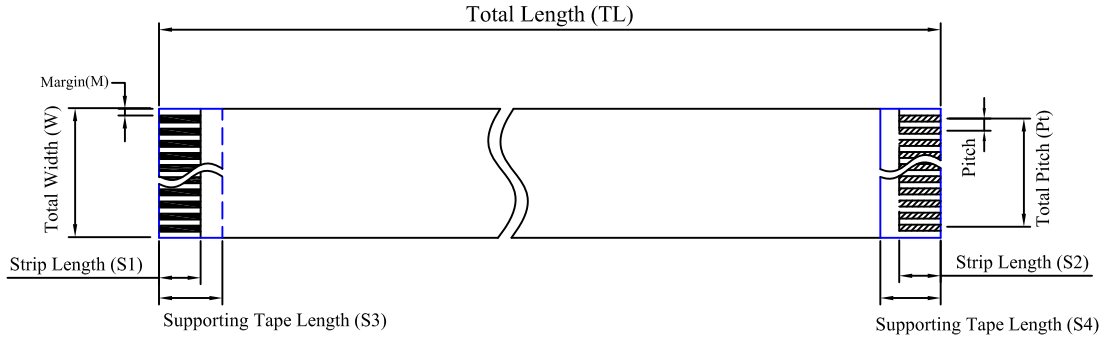
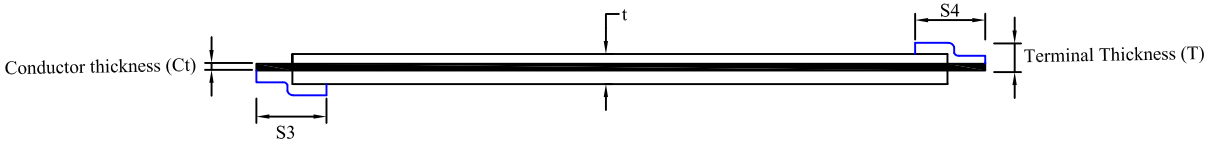
SYMBOL	Pitch	PIN	TYPE	TL	Pt	W	M	T	t	S1	S2	S3	S4
RANGE	0.3	31	D	50	9	9.6	0.2	0.2	0.13	4	4	5	5
TOLERANCE	±0.03	ditto	ditto	±2.0	±0.08	±0.08	±0.05	±0.03	±0.03	±1.0	±1.0	±1.0	±1.0



UL Style No : UL2896 / 80° C , 30V
UL Marking on one side

Conductor : Tin Plated Copper Conductor
Thickness(Ct): 0.05±0.01mm
Width(Cw): 0.2±0.02mm
Tin plating thickness: 1~3 μ



Insulation : Polyester (PET) film+adhesive
PET film thickness: 0.019mm
PET adhesive thickness: 0.024mm

Supporting tape : Polyester (PET) film+ adhesive
PET film thickness: 0.128mm
PET adhesive thickness: 0.032mm

Characteristics	Method	Spec
Conductor Resistance	JIS C-3102	Less than 1.82 Ω/m
Insulation Resistance	DC 500V after 1 min	More than 1,000 MΩ/m
Dielectric Strength	AC 500V for 1 min	No Breakdown
Open/Short Test	Tester DC 3.0V 0.1mA	Pass
Heat Resistance	85°C, 96hrs	Insulation resistance and Dielectric strength pass
Heat Cycle Test	-40°C→+25°C→+85°C→+25°C *12hrs*2cycles	Insulation resistance and Dielectric strength pass
Moisture Resistance	40°C, 95%RH, 96hr	Insulation resistance and Dielectric strength pass
Flame Test	UL VW-1	Pass
Flexing Test	10mmR*10cm*10 cycles/min	More than 30,000 cycles
Bending Test(180°) (clip the point of supporting tape)	±90°C, 60g,0.5mmR	More than 10 cycles
Abrasion Test	5mm Ø 600g , 60 cycles/min	More than 10,000 cycles

RoHS Compliant

Flexconn Technology Co., Ltd.				
DRAWN BY *Emily*	DATE *Jun. 2008*	Part No MHD31-50(4/4/5/5)6-T2		
DESIGNED BY *James*	*Jun. 2008*	SIZE A4	DRAWING NO. F-11383F-F0047-OV	REV A
APPROVED BY *Mark*	*Jun. 2008*	Unit MM	SHEET 1 OF 1	