

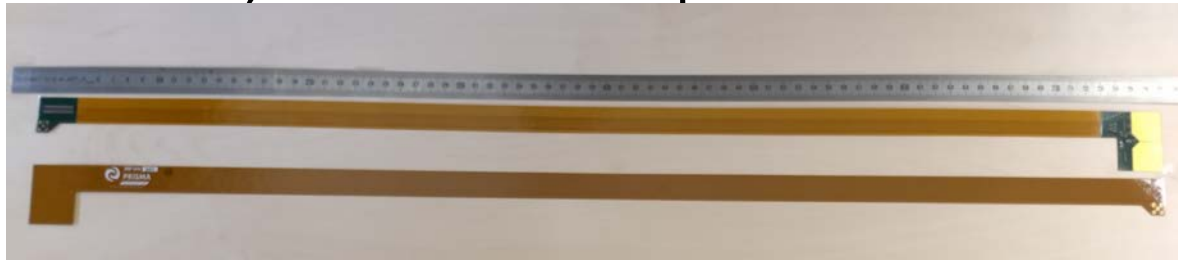
# Discussion on flex cable

Mingyi Dong

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# Make samples of the old version

- Four-layer design, L-shape
- A width of 39.5mm for module region, and A width of 19mm for the tail
- Length: 750mm, thickness: <350μm



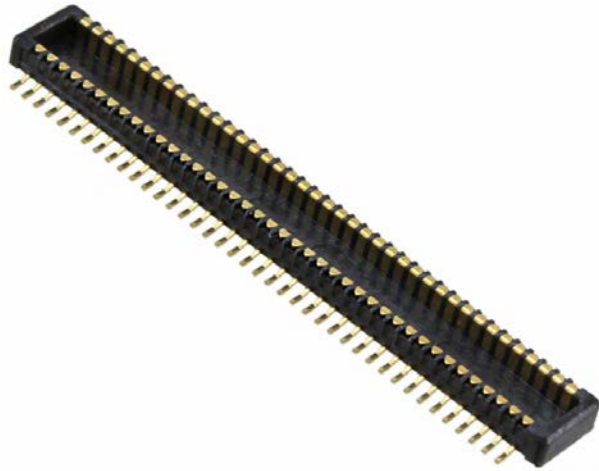
- Sent the gerber files from Marisol Robles from Mainz University to ShenNan company
- Order 20 pieces
- Had some discussion, and got the feedback (quotation) from the company

# Components on the flex

Part List output for the FLEXIBLE prototype Uni Mainz

#	QTY	Part number	Description	Value	Ref Designator
1	8	CRCW040251R0FKED	Chip Resistor 0402	51	R1-R7, R17
2	8	CR0102-FX-1000GLF	Chip Resistor 0402	100	R9-R16
3	1	HVC1206-100KFT3	Chip Resistor 1206 (Welwyn)	100k	R8
4	1	C1206C103KFRACTU	Chip Capacitor 1206 (Kemet)	10n	C7
5	3	GRM155C80J106ME11D	Chip Capacitor 0402	10u	C2, C5, C6
6	3	CL05F104ZO5NNNC	Chip Capacitor 0402	100n	C1, C3, C4
7	1	555600807	Molex connector coopartion	-	U2

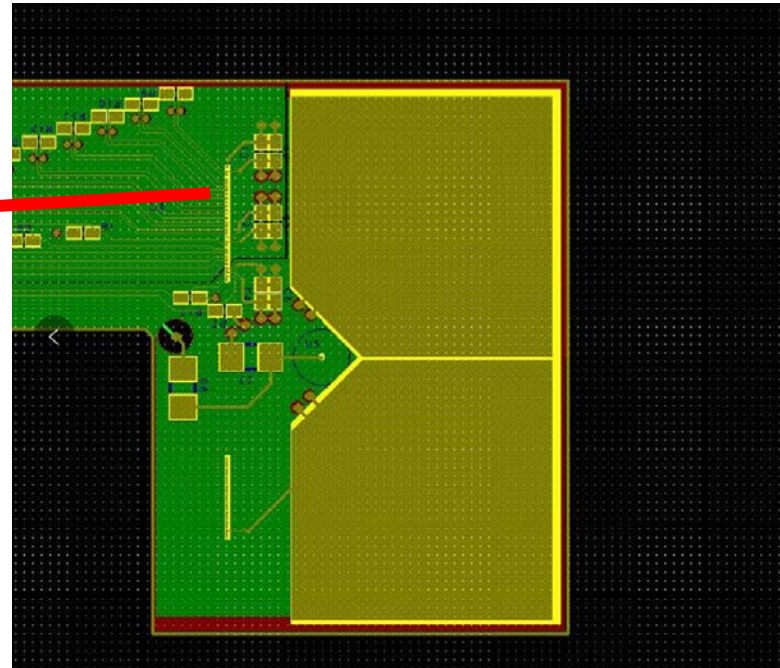
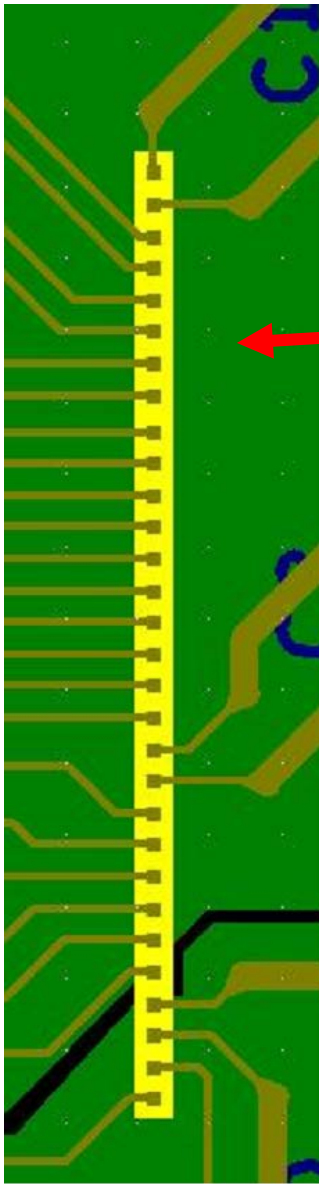
# Molex Connector (0555600807)



价格分段	单价	总价
1	50.01000	¥ 50.01
10	47.92300	¥ 479.23
25	43.75400	¥ 1,093.85
50	41.67100	¥ 2,083.55
100	39.58640	¥ 3,958.64
250	35.41964	¥ 8,854.91
500	33.33608	¥ 16,668.04
1,000	29.16907	¥ 29,169.07

连接器类型	插头，外罩触点
针脚数	80
间距	0.020" ( 0.50mm )
排数	2
安装类型	表面贴装型
特性	-
触头镀层	金
触头镀层厚度	10.0μin ( 0.25μm )
接合堆叠高度	1.5mm
板上高度	0.045" ( 1.14mm )

# Technological difficulty



- Pad size:  $100\ \mu\text{m} \times 100\ \mu\text{m}$

# Cost

- Sampling: 50k RMB, including 20 pieces