

# Flexes

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30 Nov 2010

# Material

- Possible material options
  - Assume same layout as now

PLUME ladder material

components	assumptions	Graphic flex		Optiprint flex 1		Optiprint flex 2		Kharkov flex	
		total	x	total	x	total	x	total	x
sensor	50 um, 2 layers	50 x 2 = 100 um	0.106	50 x 2 = 100 um	0.106	50 x 2 = 100 um	0.106	50 x 2 = 100 um	0.106
metal	4 layers	42 x 4 = 168 um	0.256	20 x 4 = 80 um	0.122	13 x 4 = 52 um	0.079	13 x 4 = 40 um; Al	0.030
kapton substrate	2 layers	50 x 2 = 100 um	0.066	25 x 2 = 50 um	0.033	12 x 2 = 24 um	0.016	10 x 2 = 20 um	0.015
kapton coverlay	4 layers	50 x 4 = 200 um	0.132	37.5 x 4 = 150 um	0.097	20 x 4 = 80 um	0.053	20 x 4 = 80 um	0.053
foam	2 mm, 1 layer	2 mm	0.184	2 mm	0.184	2 mm	0.184	2 mm	0.184
glue		x 2	0.008		0.008		0.008		0.008
SMD		x 2	0.060		0.060		0.060		0.060
Total X			0.812		0.610		0.506		0.456

Produced

produced

Have quotation

?



# Status

- Optiprint sent quotation for 'flex 2'
  - About the same as 'flex 1'
- Need to check on status of AI flex in Kharkov
- Pete started to work on the design with traces under the sensors
  - Very preliminary: the width can be reduced by 3.5 mm