

TigerJet 100 pin QFP Package Outline Modification

The new package dimension for 100 pin QFP will have shorter pin outline. It will be changed from 4.8mm to 3.2mm. Figure 1 shows the detail drawing of the difference in new pin outline. The new 100 pin package will have smaller L and L1 value. Table 1 shows the value for the parameters.

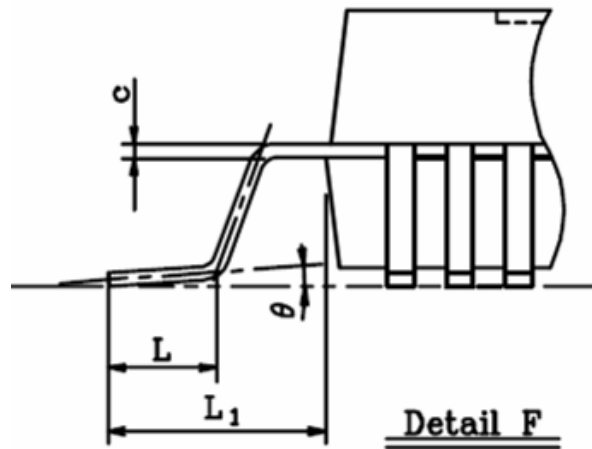


Figure 1: Drawing of the difference in the new outline.

Dimension Detail for OLD Package

Symbol	Dimension in inch			Dimension in mm		
	Min	Nom	Max	Min	Nom	Max
L	0.039	0.047	0.055	1	1.2	1.4
L1	0.087	0.094	0.103	2.21	2.4	2.62

Dimension Detail for NEW Package

Symbol	Dimension in inch			Dimension in mm		
	Min	Nom	Max	Min	Nom	Max
L	0.029	0.035	0.041	0.73	0.88	1.03
L1	0.063 BSC			1.60 BSC		

BSC means Basic. After assembly, L1 will still be 0.063.

Table 1: Table of the parameters

The new package outline should fit into existing layout. It is recommended for the new layout to use larger L1 parameter (2.4mm) and use smaller (L1-L) parameter (0.72mm) to fit all versions of chip. Figure 2 has complete parameters for the new 100 pin QFP footprint.

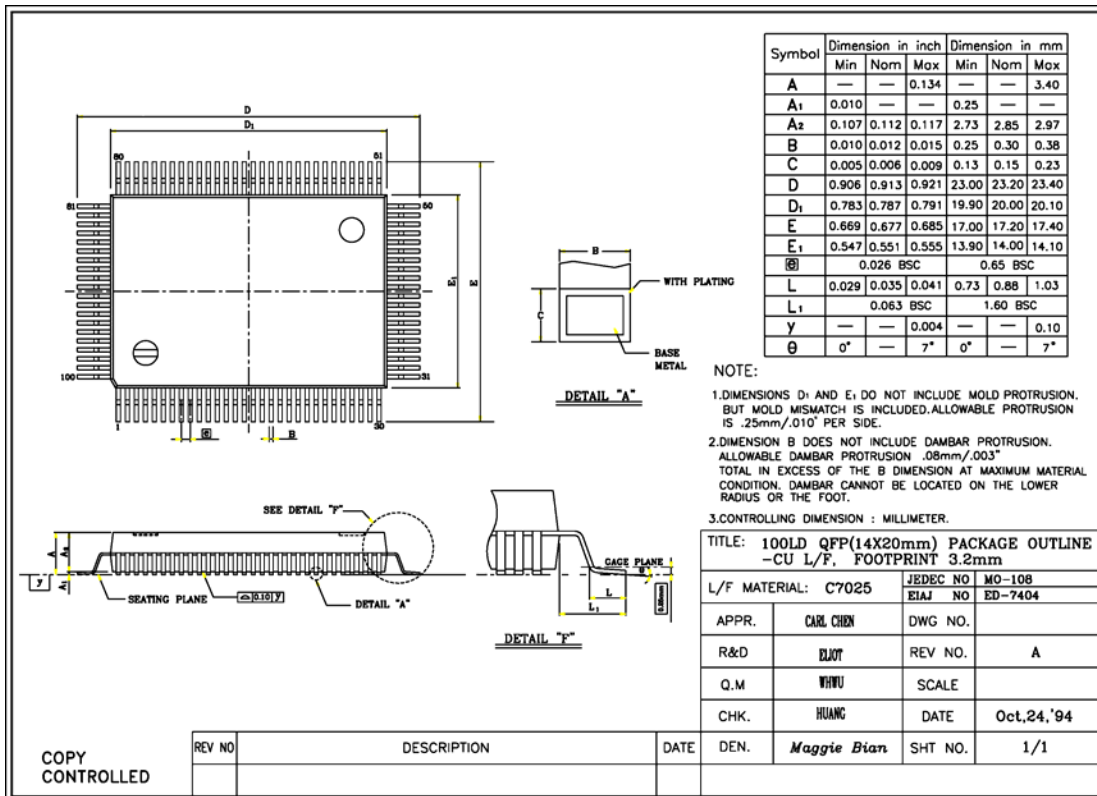


Figure 2 : 100-QFP Physical Dimension

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