


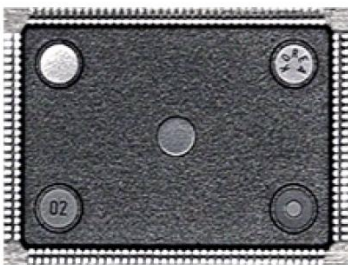
TQFP 14x20x1.4 PACKAGE DIMENSIONAL SUMMARY

Measurement Reference	Specs	TQFA008 (Fico)	TQEL001 (Daichi)	Remarks
Offset-Mismatch				
Top Offset Y-axis	0- 0.064mm	0.040mm (max)	0.050mm (max)	Passed
Top Offset X-axis	0- 0.064mm	0.025mm (max)	0.043mm (max)	Passed
Bottom Offset Y-axis	0- 0.064mm	0.042mm (max)	0.039mm (max)	Passed
Bottom Offset X-axis	0- 0.064mm	0.027mm (max)	0.018mm (max)	Passed
Mismatch Y-axis	0- 0.064mm	0.019mm (max)	0.021mm (max)	Passed
Mismatch X-axis	0- 0.064mm	0.029mm (max)	0.039mm (max)	Passed
Dimensional				
Top Pkg (X)	19.870 - 19.930mm	19.885-19.905mm	19.908-19.913mm	Passed
Top Pkg (Y)	13.870 - 13.930mm	13.893-19.903mm	13.912-13.916mm	Passed
Btm Pkg (X)	19.970 - 20.030mm	20.008-20.016mm	20.002-20.015mm	Passed
Btm Pkg (Y)	13.970 - 14.030mm	13.999-14.010mm	14.002-14.012mm	Passed
Pkg Thickness	1.370-1.430mm	1.396-1.405mm	1.395-1.402mm	Passed
Ident Position (X)	2.450 - 2.550mm	2.496-2.508mm	2.499-2.507mm	Passed
Fico 5 Pins Ident Position (Y)	1.350-1.450mm	1.401-1.408mm	n/a	Passed
Dai-ichi standard Ident Position (Y)	1.450-1.550mm	n/a	1.496-1.504mm	Passed
Ident pin Depth	0.050 - .0.150mm	0.062-0.071mm	0.064-0.071mm	Passed
Bottom pin Depth	0.050 - 0.150mm	0.059-0.070mm	0.059-0.074mm	Passed
Top draft Angle	11.0° - 13.0°	12.10-12.18°	12.06-12.15°	Passed
Bottom Draft Angle	11.0° - 13.0°	12.12-12.19°	12.10-12.18°	Passed
Top Package Surface Roughness	21 - 23 VDI	11.15-22.39 VDI	22.73-22.84 VDI	Passed
Bottom Package Surface Roughness	21 - 23 VDI	22.08-22.38 VDI	22.75-22.88 VDI	Passed

Physical Representation of Change

FROM

TO

<p>Package Body LQFP 14x20 (bottom view)</p>	 <p>The image shows the bottom view of a square LQFP 14x20 package. It features four circular e-pins at the corners. The bottom-left e-pin is marked with the number '25'. The package has a dark, textured surface and a fine grid of pins around the perimeter.</p>		 <p>The image shows the bottom view of a square LQFP 14x20 package, similar to the 'FROM' version but with five e-pins. The bottom-left e-pin is marked with the number '02'. A small circular feature is visible in the center of the package body. The package has a dark, textured surface and a fine grid of pins around the perimeter.</p>
<p>Ejector Pin type</p>	<p>4 e-pins</p>		<p>5 e-pins</p>