


Manufacturing Instructions	 Toradex Swiss. Embedded. Computing.
Tianma 3.5" Display Adapter V1.0.001	

Manufacturing Instructions

Tianma 3.5" Display Adapter V1.0.001

Issued by:	Toradex	Document Type:	Manufacturing Instructions
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Purpose:	Contains detailed specifications to produce a specific PCB
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Document Version:	1.0
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Revision History		
Date	Version	Remarks
29 th Sept 2014	1.0	Initial Release

Project Number 0XXXXXXX	Project Number Tianma 3.5" Display Adapter Manufacturing Instructions	Author Toradex AG	Print Date 29.09.2014
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1 Contact

For any questions, please contact the following staff:

Schematics	Layout	Commercial
Satyan Raj Toradex Systems (India) Pvt. Ltd. Third Floor, LXY Aura, 99/D, KHB Colony, Koramangala 5th Block, Bangalore-560095 India T: +91 80 4111 9096 satyan.raj@toradex.com +91-9972318194	Satyan Raj Toradex Systems (India) Pvt. Ltd. Third Floor, LXY Aura, 99/D, KHB Colony, Koramangala 5th Block, Bangalore-560095 India T: +91 80 4111 9096 satyan.raj@toradex.com +91-9972318194	Pallav Aggarwal Toradex Systems (India) Pvt. Ltd. Third Floor, LXY Aura, 99/D, KHB Colony, Koramangala 5th Block, Bangalore-560095 India T: +91 80 4111 9096 pallav.aggarwal@toradex.com

2 Additional Documents

The following documents are also part of the manufacturing instructions:

- Tianma 3.5" Display Adapter V1.0.001 LayerStackup.pdf

These documents typically may change during the manufacturing initialization process. Make sure to use the latest revision.

3 PCB Parameters

PCB type	Rigid
Insulator material	FR-4
Layer count	2
Board size extents	27 x 46mm
Solder mask	<input checked="" type="checkbox"/> Top <input checked="" type="checkbox"/> Bottom
Silkscreen	<input checked="" type="checkbox"/> Top <input checked="" type="checkbox"/> Bottom
Surface	ENIG (Chemical NiAu)

3.1 Additional Specifications

Non-Functional Pads	<input checked="" type="checkbox"/> Removal Allowed	<input type="checkbox"/> Removal forbidden
Controlled Impedance	<input type="checkbox"/> Required	<input checked="" type="checkbox"/> Not Required
Measured Impedance	<input checked="" type="checkbox"/> Required	<input type="checkbox"/> Not Required

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4 Layer Stack-up

4.1 Layer Thickness

The detailed layer stack-up is defined in a [separate document](#).

4.2 Sequence of Gerber Files

4.2.1.1 Altium

Please stack the layers in the order given below:

File Name	Layer Name	Format
rgb_tft_interface_board.GTL	top layer / component side	Gerber RS274X
rgb_tft_interface_board.GBL	bottom layer / solder side	Gerber RS274X

Other Files:

File Name	Layer Name	Format
rgb_tft_interface_board.GTO	Silkscreen (component side)	Gerber RS274X
rgb_tft_interface_board.GBO	Silkscreen (solder side)	Gerber RS274X
rgb_tft_interface_board.GTS	Solder mask (component side)	Gerber RS274X
rgb_tft_interface_board.GBS	Solder mask (solder side)	Gerber RS274X
rgb_tft_interface_board.GTP	Paste Mask (component side)	Gerber RS274X
rgb_tft_interface_board.GBP	Paste Mask (solder side)	Gerber RS274X
rgb_tft_interface_board.GM15	PCB Shape	Gerber RS274X
rgb_tft_interface_board.TXT	drill coordinates	Excellon Drill

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