



WINSTAR Display Co.,Ltd.

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Subject : Comparing Winstar HDMI board to supporting different Raspberry PI version. The outline appearance and construction are all keep the same, the only difference is in the CON4 and CON5.

Comparing the end of the parts number in “X#” and “V#”

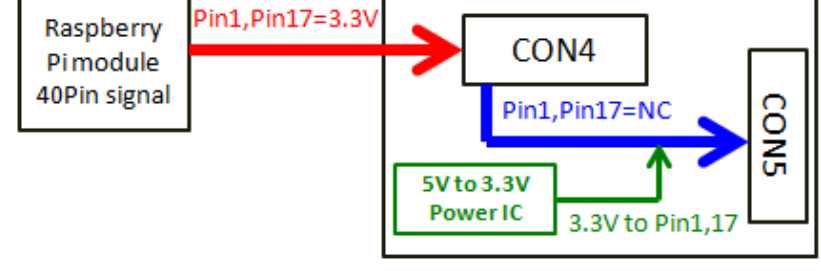
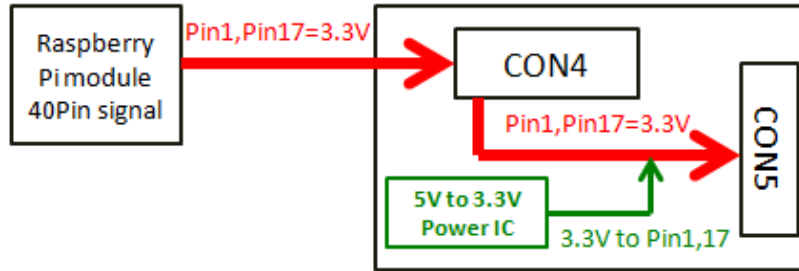
For example parts number	WF50BTIFGDHGX#	WF50BTIFGDHGV#																																				
Scope of use	Supporting Raspberry Pi1 ~ Pi3/Pi3B Only	Supporting Raspberry Pi Pi1 ~ Pi3/Pi3B and Pi3B+																																				
CON4/CON5 (PIN Define)	<p>LCM PIN Definition(CON4/CON5)</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Symbol</th> <th>Function</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.3V</td> <td>Raspberry Pi Power 3.3V</td> <td></td> </tr> <tr> <td>17</td> <td>3.3V</td> <td>Raspberry Pi 3.3V</td> <td></td> </tr> </tbody> </table>	Pin	Symbol	Function	Remark	1	3.3V	Raspberry Pi Power 3.3V		17	3.3V	Raspberry Pi 3.3V		<p>LCM PIN Definition(CON4)</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Symbol</th> <th>Function</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NC</td> <td>No connection</td> <td></td> </tr> <tr> <td>17</td> <td>NC</td> <td>No connection</td> <td></td> </tr> </tbody> </table> <p>LCM PIN Definition(CON5)</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Symbol</th> <th>Function</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.3V</td> <td>TFT Module Power limit can only output 3.3V,100mA</td> <td>NOTE1</td> </tr> <tr> <td>17</td> <td>3.3V</td> <td>TFT Module Power limit can only output 3.3V,100mA</td> <td>NOTE1</td> </tr> </tbody> </table> <p>Note1: The 3.3V supply current is limited in 100mA; please note.</p>	Pin	Symbol	Function	Remark	1	NC	No connection		17	NC	No connection		Pin	Symbol	Function	Remark	1	3.3V	TFT Module Power limit can only output 3.3V,100mA	NOTE1	17	3.3V	TFT Module Power limit can only output 3.3V,100mA	NOTE1
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CON4 different (CON4 Drawing)																																						



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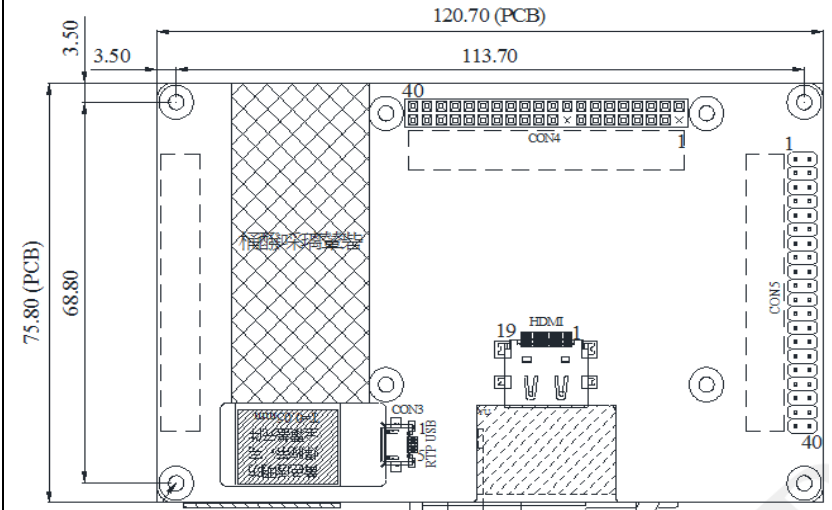
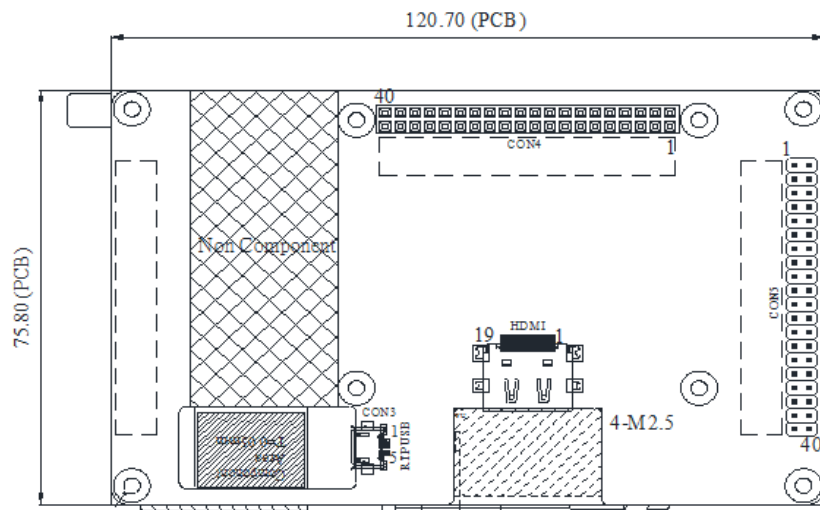
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If we keep input 3.3V from CON4 for Raspberry Pi 3B+, the display is error. After changing 3.3V to NC, the display is working correct. In order to support the new version of Raspberry [Pi3B+], we develop the new vesion in **V#**.

TFT Module (Back Drawing)



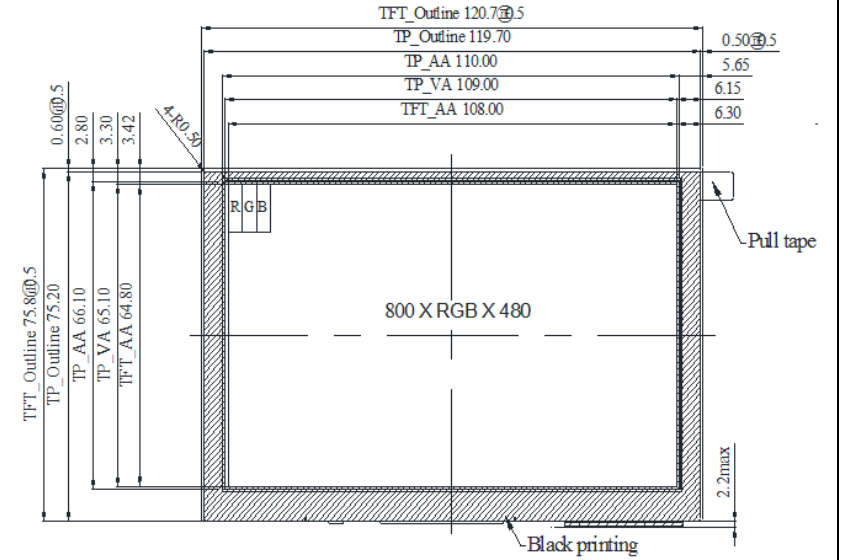
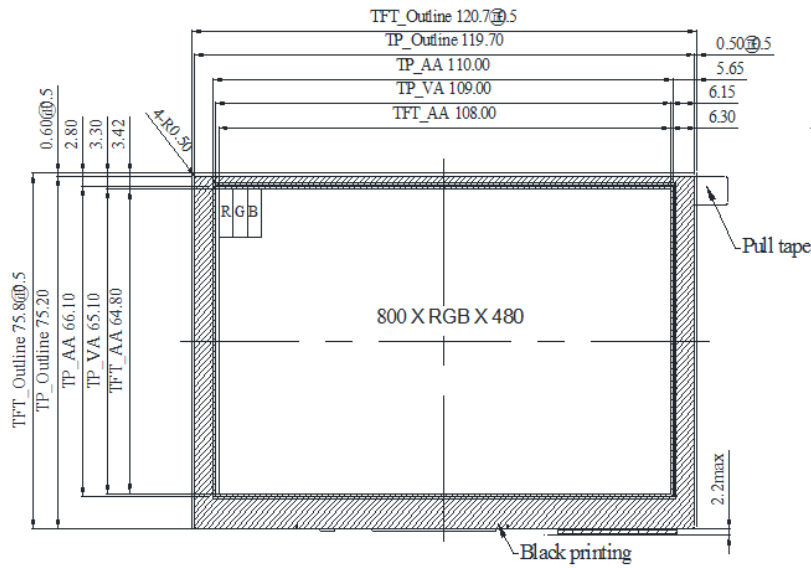


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TFT Module (Front Drawing)



For the new project, please promote in V# for further.

Reviewers : Eric Liang

Maker : KENI LIN

Time: 2019/6/24