



MULTI-INNO TECHNOLOGY CO., LTD.

www.multi-inno.com

LCD MODULE SPECIFICATION

Model : MI0283Q1T-13RP

This module uses RoHS material

For Customer's Acceptance:

Customer	
Approved	
Comment	

The standard product specification may change without prior notice in order to improve performance or quality. Please contact Multi-Inno for updated specification and product status before design for the standard product or release of the order.

Revision	1.0
Engineering	
Date	2016-11-10
Our Reference	



REVISION RECORD

[illegible]

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■ GENERAL INFORMATION

Item	Contents	Unit
LCD type	TFT/TRANSMISSIVE/POSITIVE	/
Size	2.83	Inch
Viewing direction	6° 00' (without image inversion and least brightness)	0° Clock

Viewing direction	0:00 (without image inversion and least brightness change)	0:00 Clock
Gray scale inversion direction	12:00 (contrast peak located at)	O' Clock
LCM (W × H × D)	50.2×69.3×4.0	mm ³
Active area (W×H)	43.2×57.6	mm ²
Pixel pitch (W×H)	0.18×0.18	mm ²
Number of dots	240 (RGB) × 320	/
Driver IC	ILI9341V	/
Backlight type	4 LEDs	/
Interface type	CPU/RGB/SPI	/
Color depth	65K/262K	/
Pixel configuration	R.G.B vertical stripe	/
Top polarizer surface treatment	Glare	/
Input voltage	2.8	V
With/Without TSP	With RTP	/
TP surface treatment	Glare	/
Weight	TBD	g

Note 1: RoHS compliant;

Note 2: LCM weight tolerance: ± 5% .



EXTERNAL DIMENSIONS

NOTES: 1. DISPLAY TYPE: TFT, TRANSMISSIVE/I 2. VIEWING DIRECTION: 6:00 O'CLOCK 3. DRIVE METHOD: 1/320 DUTY 4. OPERATING VOLTAGE: IOVCC=2.8V(TYP) 5. OPERATING TEMP.: -20°C --- +70°C 6. STORAGE TEMP.: -30°C --- +80°C 7. LCD DRIVE IC: ILI9341V 8. CONNECTION: FPC 9. BACKLIGHT: 4 CHIP-WHITE LED/800m 10. TOP POLARIZER SURFACE TREATMENT 11. SURFACE LUMINANCE: 240cd/m² 12. UNMARKED TOLERANCE: ±0.20 13. REQUIREMENTS ON ENVIRONMENTAL 14. THE CONTROLLED DIMENSION MASK 15. REFERENCE DIMENSION MASK TO BI	<table> <tr><td>1</td><td>LEDK</td></tr> <tr><td>2</td><td>LEDK1</td></tr> <tr><td>3</td><td>LEDK2</td></tr> <tr><td>4</td><td>LEDK3</td></tr> <tr><td>5</td><td>LEDK4</td></tr> <tr><td>6</td><td>MD</td></tr> <tr><td>7</td><td>MD1</td></tr> <tr><td>8</td><td>MD2</td></tr> <tr><td>9</td><td>MD3</td></tr> <tr><td>10</td><td>MD4</td></tr> <tr><td>11</td><td>MD5</td></tr> <tr><td>12</td><td>MD6</td></tr> <tr><td>13</td><td>MD7</td></tr> <tr><td>14</td><td>MD8</td></tr> <tr><td>15</td><td>MD9</td></tr> <tr><td>16</td><td>MD10</td></tr> <tr><td>17</td><td>MD11</td></tr> <tr><td>18</td><td>MD12</td></tr> <tr><td>19</td><td>MD13</td></tr> <tr><td>20</td><td>MD14</td></tr> <tr><td>21</td><td>MD15</td></tr> <tr><td>22</td><td>MD16</td></tr> <tr><td>23</td><td>MD17</td></tr> <tr><td>24</td><td>MD18</td></tr> <tr><td>25</td><td>MD19</td></tr> <tr><td>26</td><td>MD20</td></tr> <tr><td>27</td><td>MD21</td></tr> <tr><td>28</td><td>MD22</td></tr> <tr><td>29</td><td>MD23</td></tr> <tr><td>30</td><td>MD24</td></tr> <tr><td>31</td><td>MD25</td></tr> <tr><td>32</td><td>MD26</td></tr> <tr><td>33</td><td>MD27</td></tr> <tr><td>34</td><td>MD28</td></tr> <tr><td>35</td><td>MD29</td></tr> <tr><td>36</td><td>MD30</td></tr> <tr><td>37</td><td>MD31</td></tr> <tr><td>38</td><td>MD32</td></tr> <tr><td>39</td><td>MD33</td></tr> <tr><td>40</td><td>MD34</td></tr> <tr><td>41</td><td>MD35</td></tr> <tr><td>42</td><td>MD36</td></tr> <tr><td>43</td><td>MD37</td></tr> <tr><td>44</td><td>MD38</td></tr> <tr><td>45</td><td>MD39</td></tr> <tr><td>46</td><td>MD40</td></tr> <tr><td>47</td><td>MD41</td></tr> <tr><td>48</td><td>MD42</td></tr> <tr><td>49</td><td>MD43</td></tr> <tr><td>50</td><td>MD44</td></tr> </table>	1	LEDK	2	LEDK1	3	LEDK2	4	LEDK3	5	LEDK4	6	MD	7	MD1	8	MD2	9	MD3	10	MD4	11	MD5	12	MD6	13	MD7	14	MD8	15	MD9	16	MD10	17	MD11	18	MD12	19	MD13	20	MD14	21	MD15	22	MD16	23	MD17	24	MD18	25	MD19	26	MD20	27	MD21	28	MD22	29	MD23	30	MD24	31	MD25	32	MD26	33	MD27	34	MD28	35	MD29	36	MD30	37	MD31	38	MD32	39	MD33	40	MD34	41	MD35	42	MD36	43	MD37	44	MD38	45	MD39	46	MD40	47	MD41	48	MD42	49	MD43	50	MD44
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