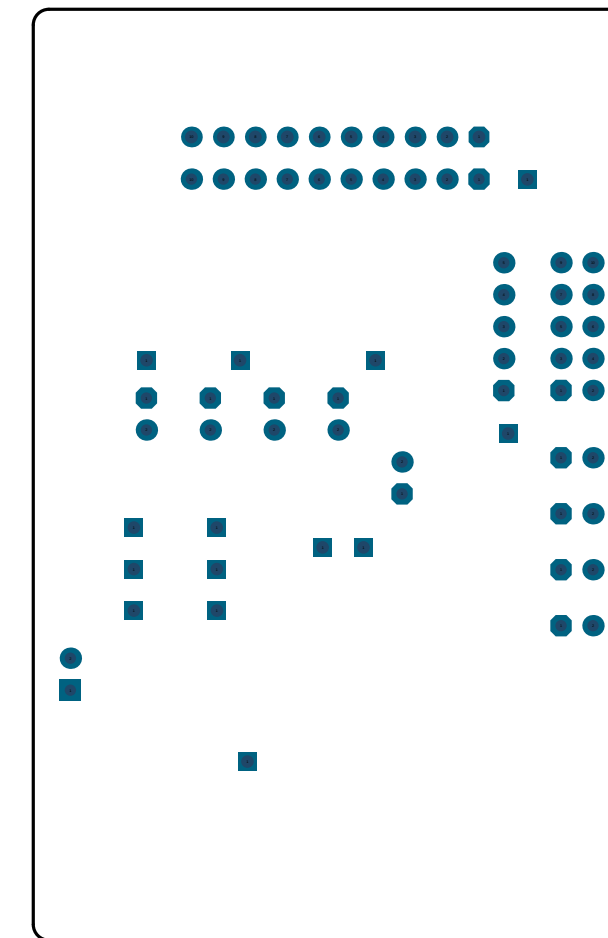






|                                                                                                                                                                                        |                                                     |  |                                                |                                     |                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>MICROCHIP</b><br>Microchip Technology Inc.<br>2355 W. Chandler Blvd.<br>Chandler, AZ 85224 | <b>TITLE:</b><br><b>mXT1066TD EVK Control Board</b> |  | <b>PART NUMBER:</b> 00016                      |                                     |                                                                                                                                                                                                                   |
|                                                                                                                                                                                        | <b>ASSEMBLY VARIANT:</b> [No Variations]            |  |                                                |                                     |                                                                                                                                                                                                                   |
|                                                                                                                                                                                        | <b>PCB DESIGNER:</b><br>Patrick Cassidy             |  | <b>GERBER FILE:</b><br>Bottom Assembly Drawing |                                     |                                                                                                                                                                                                                   |
|                                                                                                                                                                                        | <b>ENGINEER:</b><br>Patrick Cassidy                 |  | <b>BOARD NUMBER:</b><br>04-11132               | <b>DOCUMENT NUMBER:</b><br>02-00016 | <b>DATE:</b><br>06/04/2020                                                                                                                                                                                        |
|                                                                                                                                                                                        | <b>PCB FILE NAME:</b><br>11132PcbDoc                |  | <b>LAYER NAME:</b><br>Bottom Assembly (M10)    |                                     | <b>REV:</b> 2 <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">10mm<br/>40mm</div>  </div> |

04-11132-R2

R29  
R30  
TP7

J5

J6

VDD 5V TP7 CHG RST SDA SCL VDDIO GND DBG DAT DBG CLK

J7

J8

GPIO5  
GPIO2  
GPIO1  
GPIO0  
GND

R17 R16 R15  
R14 R13  
R11 R10 R9  
R8 R7  
R5 R4 R3  
R2 R1

U3  
U2  
U1

C6 C5 C4 C3 C2 C1

TP5 AVDD\_L

TP3 VDD\_L

TP1 VDDIO\_L

J12

J11

J9

J10

ADDSEL

I2CMODE

HSYNC

VSNC

TP8 RESET  
C7 R27

R24 R28 R22 R21 R19 R20  
C18 C19 C14 C13

GND J4

TP12 VDD

VDDCORE TP11

C17 C16 C12 C11 C15

TP13 AVDD

TP9 XVDD

TP10 VDDIO

TP2 GND

TP4 GND

TP6 GND



ATMXT1066TD  
UFBGA114

GND  
ESD  
Ring



CONFIDENTIAL MATERIALS  
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C20 C21  
TP14 GND

C8 C9 C22

J16

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