

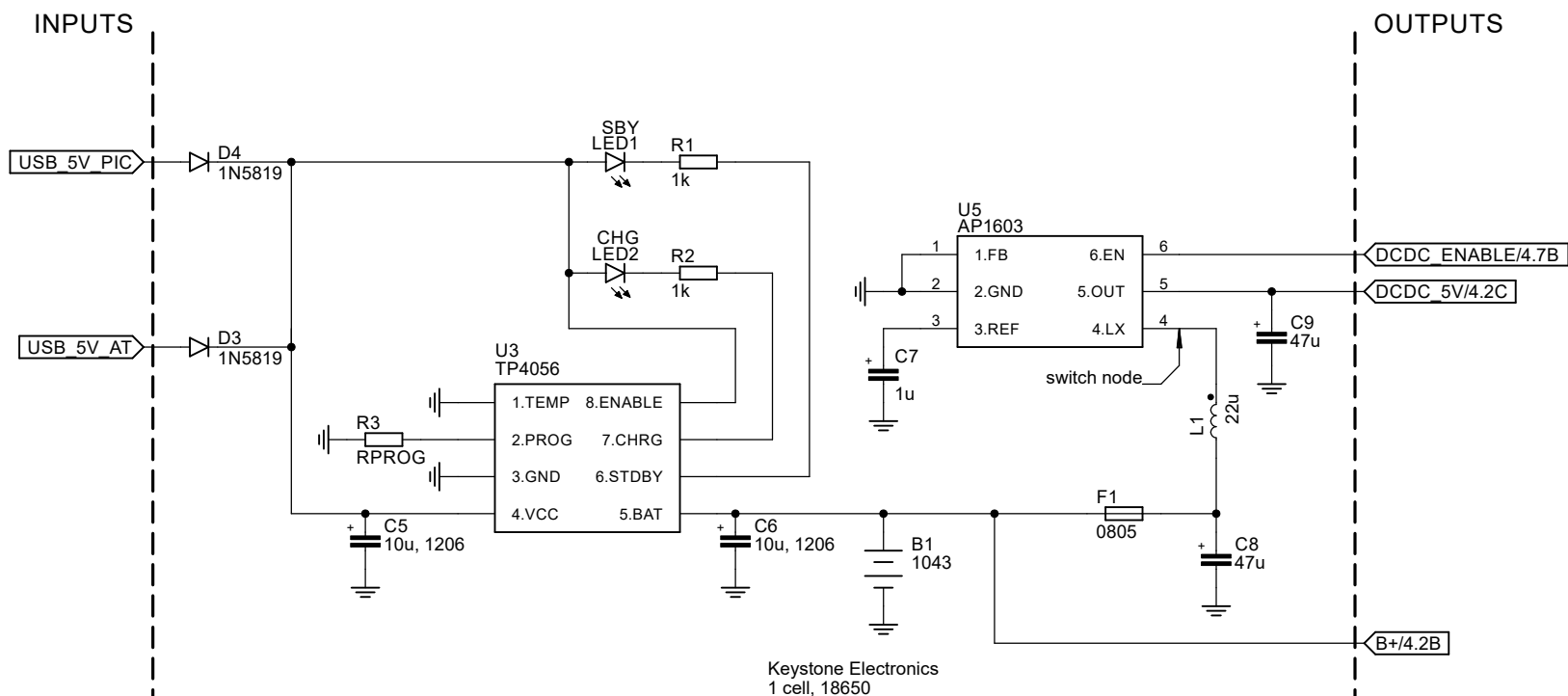
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| A | | | | | | | | | A |
| B | | | | | | | | | B |
| C | | | | | | | | | C |
| D | | | | | | | | | D |
| E | | | | | | | | | E |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |

THIS DRAWING AND THE INFORMATION IT CONTAINS
IS PROVIDED FOR EDUCATIONAL USE ONLY.

| | | |
|----------------------------------|-----|-----------------------------|
| <div>VIVA</div> | | |
| Sheet Name CONNECTOR PINOUTS | | |
| Project Name VIVA PIC16, UTSA | | |
| REV. | v5 | Drawn By Nolan Manteufel |
| SHEET | 2/8 | Reviewed By Paul Morton |

NOTES:

- (1) Shielded end of switching power supply inductor is connected to switch node.
- (2) In PCB layout, size of switch node is minimized.
- (3) In PCB layout, component pads on switch node do not have thermal reliefs.



VIVA

Sheet Name

BATTERY CHARGER, 5V DCDC CONVERTER

Project Name

VIVA PIC16, UTSA

REV.

v5

Drawn By

Nolan Manteufel

SHEET

3/8

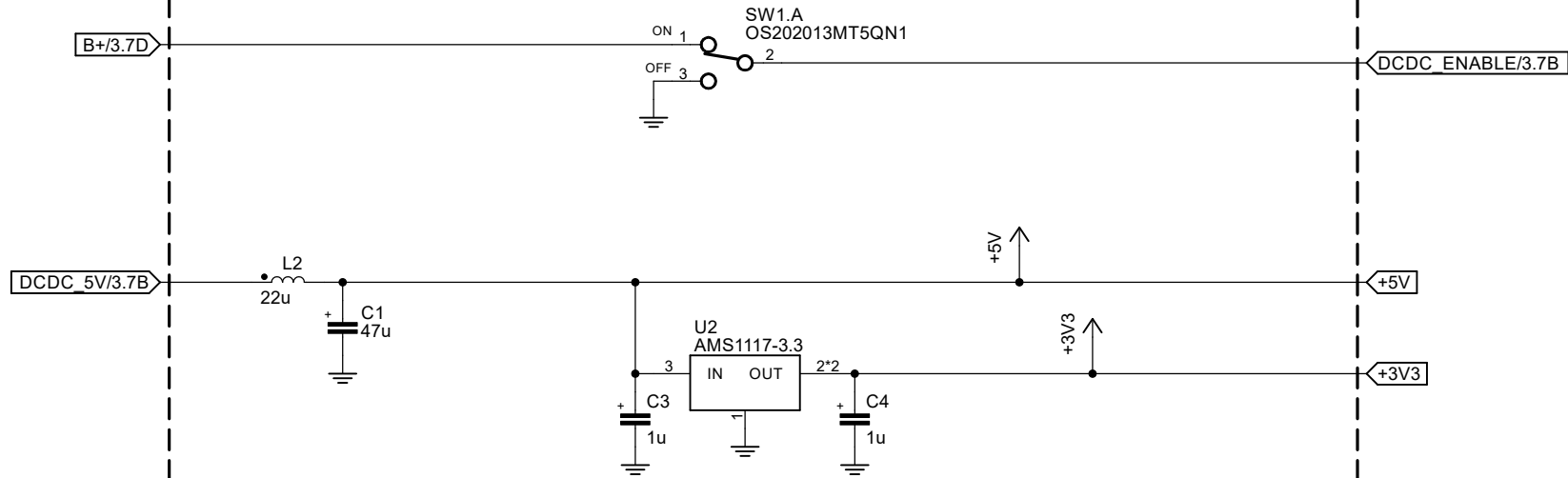
Reviewed By

Paul Morton

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INPUTS

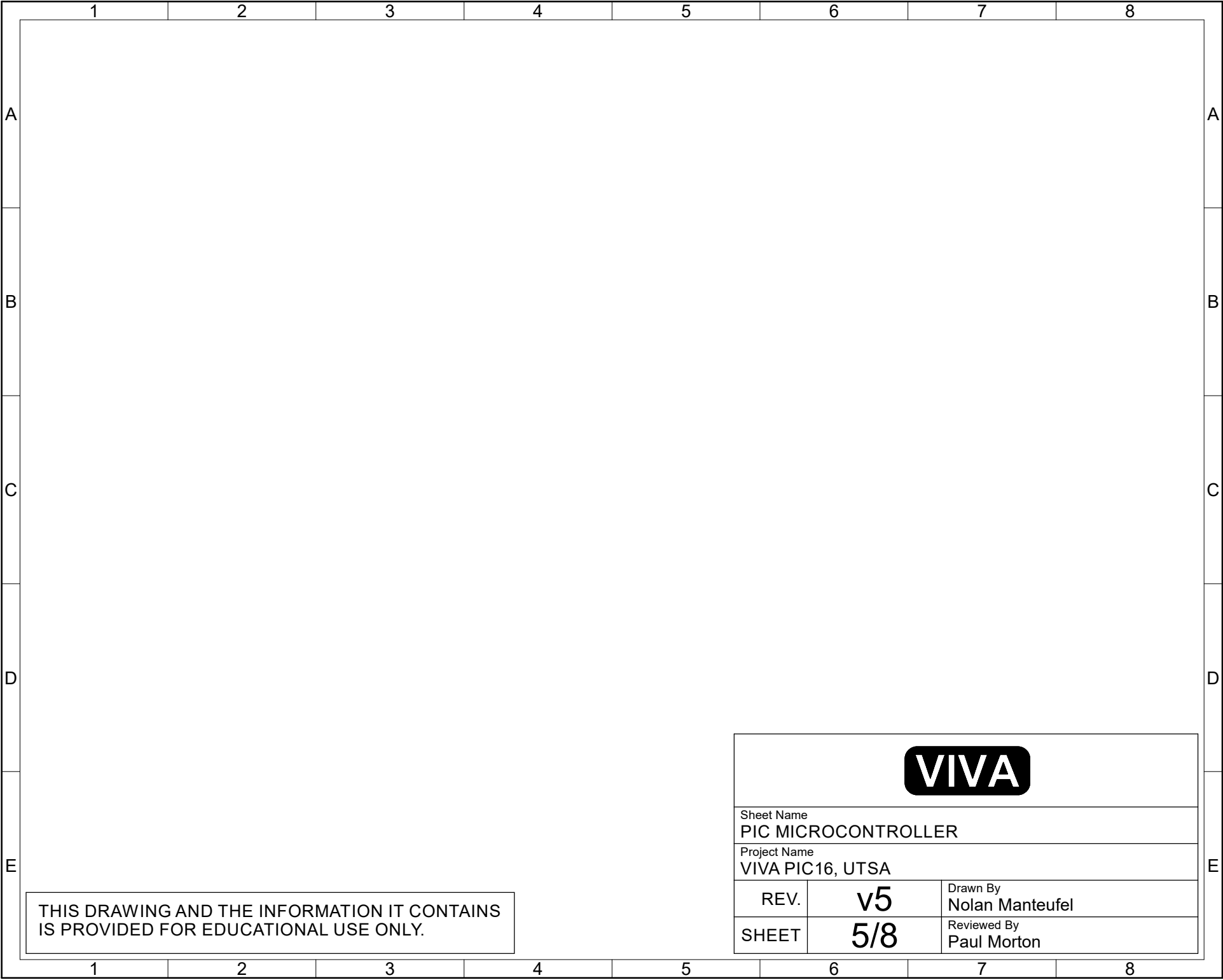
OUTPUTS



VIVA

| | | |
|---|-----|-----------------|
| Sheet Name | | |
| ON-OFF SWITCH, 5V FILTER, 3V3 REGULATOR | | |
| Project Name | | |
| VIVA PIC16, UTSA | | |
| REV. | v5 | Drawn By |
| | | Nolan Manteufel |
| SHEET | 4/8 | Reviewed By |
| | | Paul Morton |

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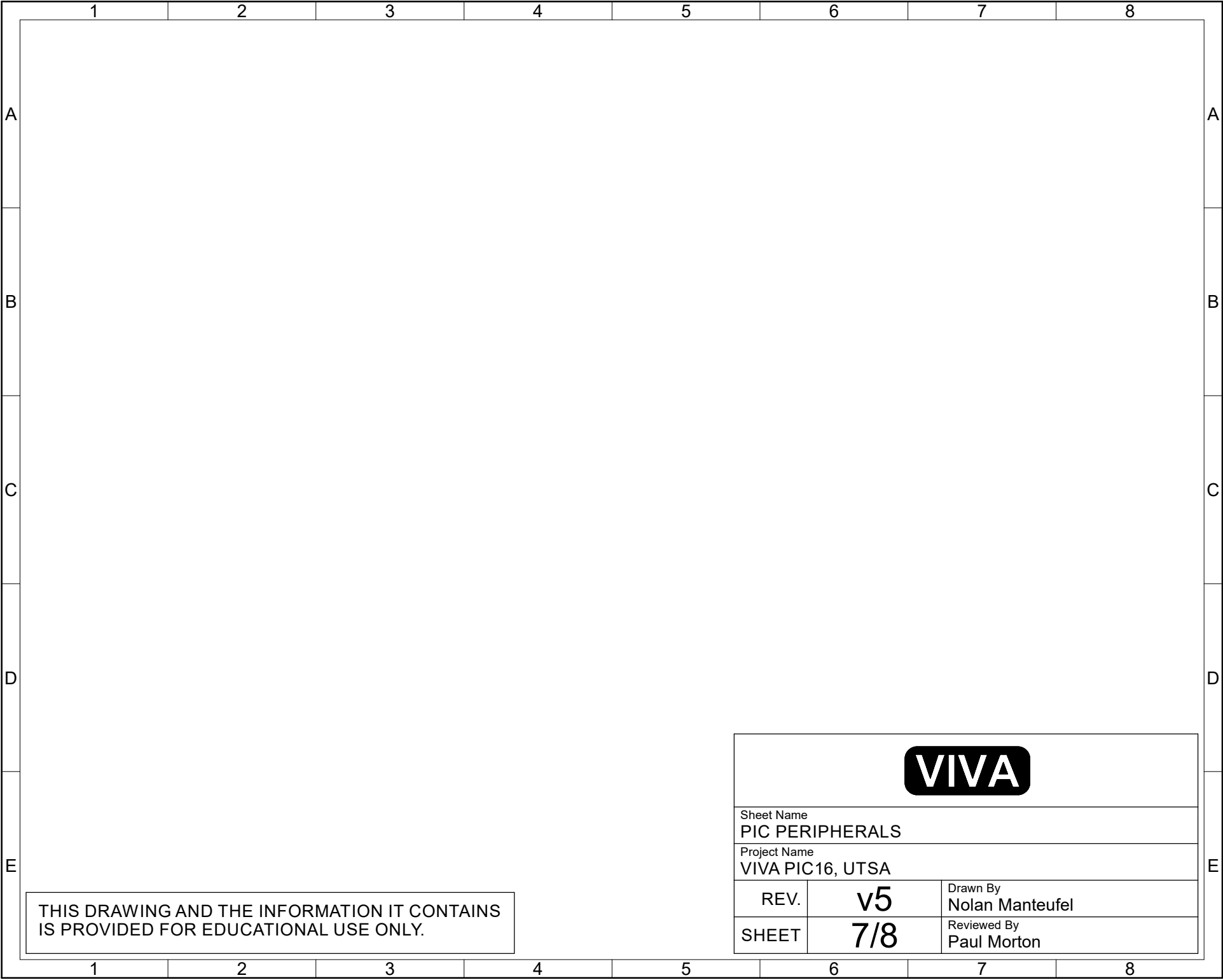


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| | | |
|-----------------------------------|-----|-----------------------------|
| <div>VIVA</div> | | |
| Sheet Name PIC MICROCONTROLLER | | |
| Project Name VIVA PIC16, UTSA | | |
| REV. | v5 | Drawn By Nolan Manteufel |
| SHEET | 5/8 | Reviewed By Paul Morton |

| | | | | | | | | | | | | |
|---|---|---|---|---|--|-----|-----------------------------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| A | | | | | | | | | A | | | |
| B | | | | | | | | | B | | | |
| C | | | | | | | | | C | | | |
| D | | | | | | | | | D | | | |
| E | | | | | | | | | E | | | |
| | | | | | <div>VIVA</div> | | | | | | | |
| | | | | | Sheet Name ATmega382p MICROCONTROLLER | | | | | | | |
| | | | | | Project Name VIVA PIC16, UTSA | | | | | | | |
| | | | | | REV. | v5 | Drawn By Nolan Manteufel | | | | | |
| | | | | | SHEET | 6/8 | Reviewed By Paul Morton | | | | | |
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

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| | | |
|---|-----|-----------------------------|
|  | | |
| Sheet Name PIC PERIPHERALS | | |
| Project Name VIVA PIC16, UTSA | | |
| REV. | v5 | Drawn By Nolan Manteufel |
| SHEET | 7/8 | Reviewed By Paul Morton |

| | | | | | | | | | | | |
|---|---|---|---|----------------------------------|-----|-----------------------------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| A | | | | | | | | | A | | |
| B | | | | | | | | | B | | |
| C | | | | | | | | | C | | |
| D | | | | | | | | | D | | |
| E | | | | | | | | | E | | |
| | | | | <div>VIVA</div> | | | | | | | |
| | | | | Sheet Name ATmega PERIPHERALS | | | | | | | |
| | | | | Project Name VIVA PIC16, UTSA | | | | | | | |
| | | | | REV. | v5 | Drawn By Nolan Manteufel | | | | | |
| | | | | SHEET | 8/8 | Reviewed By Paul Morton | | | | | |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

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