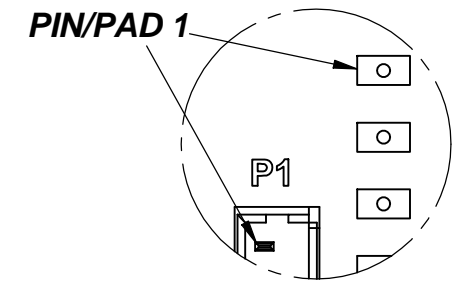
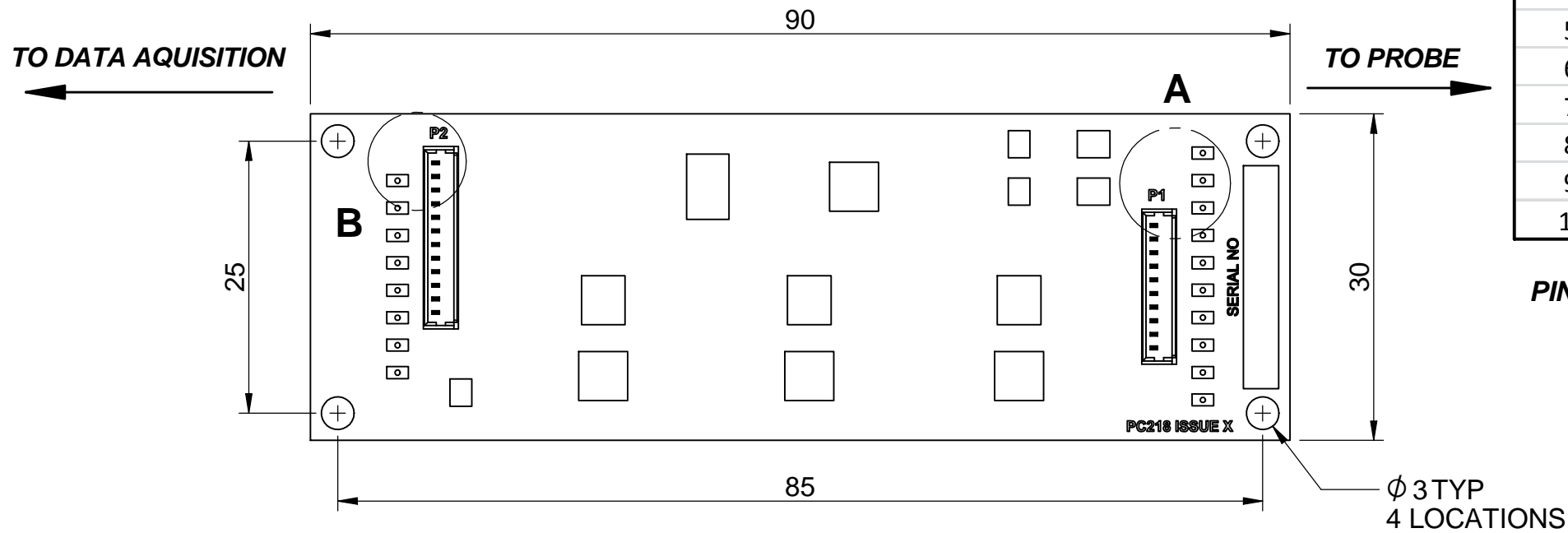


MAG612U ELECTRONICS

| ISSUE | REVISIONS | DCN No. |
|-------|-----------|---------|
| 1 | RELEASED | 1203 |

| Pin | Function |
|-----|----------|
| 1 | CLK_IN |
| 2 | CLK_OUT |
| 3 | +Vin |
| 4 | -Vin |
| 5 | X Mag |
| 6 | Y Mag |
| 7 | Z Mag |
| 8 | AGND |
| 9 | AGND |
| 10 | N.C. |
| 11 | N.C. |
| 12 | AGND |

| Pin | Function |
|-----|----------|
| 1 | X Drive |
| 2 | Y Drive |
| 3 | Z Drive |
| 4 | EGND |
| 5 | X Sense |
| 6 | AGND X |
| 7 | Y Sense |
| 8 | AGND Y |
| 9 | Z Sense |
| 10 | AGND Z |

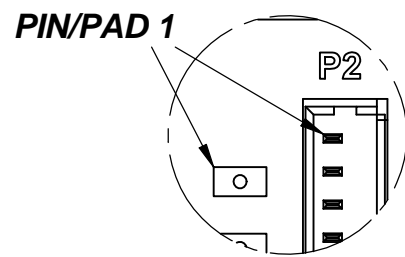
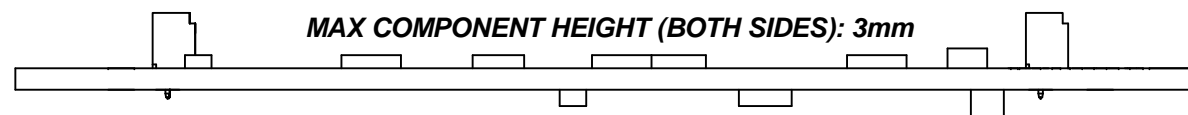


DETAIL A

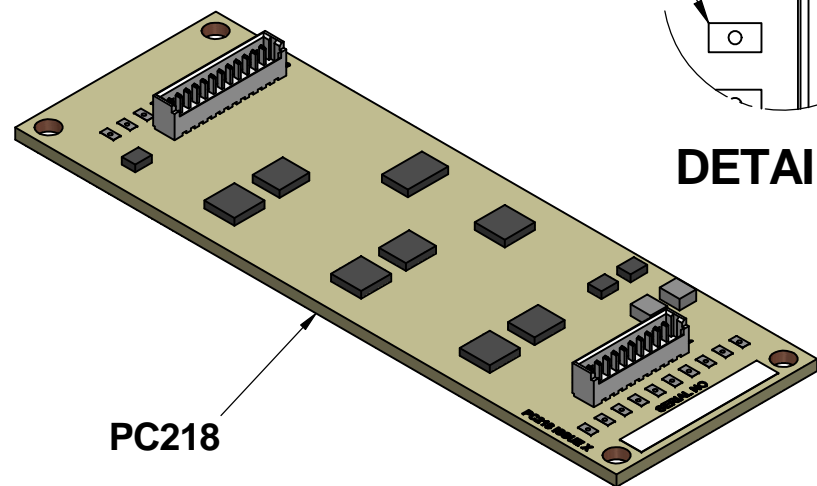
| Pad | Function |
|-----|----------|
| 1 | +Vin |
| 2 | -Vin |
| 3 | X Mag |
| 4 | Y Mag |
| 5 | Z Mag |
| 6 | AGND |
| 7 | AGND |
| 8 | N.C. |

| Pad | Function | Probe Wire Colours |
|-----|----------|--------------------|
| 1 | X Drive | Red |
| 2 | Y Drive | Orange |
| 3 | Z Drive | Yellow |
| 4 | EGND | Brown |
| 5 | X Sense | Blue |
| 6 | AGND X | Green* |
| 7 | Y Sense | Violet |
| 8 | AGND Y | Green* |
| 9 | Z Sense | Grey |
| 10 | ANGD Z | Green* |

*NOTE: AGND X, Y & Z ARE LINKED BY R55 & R56 (ZERO Ω LINK).



DETAIL B



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DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

TOLERANCES FOR MACHINING: (UNLESS OTHERWISE SPECIFIED)

| | |
|---------------|--------------|
| LINEAR: | ANGULAR: |
| XX ±0.3mm | XX ±0.5° |
| XX.X ±0.1mm | XX.X ±0.1° |
| XX.XX ±0.05mm | XX.XX ±0.05° |

| | |
|--|---------------|
| TITLE | |
| Mag612U Electronics Outline Drawing | |
| TECHNICAL INFORMATION No. | TI3752 |
| OPERATION MANUAL No. | OM3434 |
| DATASHEET No. | DS3434 |

| | | |
|---------------|-----------------------|--|
| USED ON | | PROJECT No |
| | | D1408 |
| DRAWN | <i>Daniel Cetnik</i> | 31/03/2015 |
| MODIFIED | <i>Daniel Cetnik</i> | 19/05/2015 |
| MECH' CHECK | <i>Adrian Swinton</i> | 19/05/2015 |
| ELEC' CHECK | <i>Lehui Ding</i> | 19/05/2015 |
| DRAWING No | ISSUE | SEE DCN NUMBER FOR DESIGN CHANGE HISTORY |
| DR3752 | 1 | |