



| ITEM NO. | PART NUMBER                          | DESCRIPTION   | QTY. |
|----------|--------------------------------------|---|------|
| 1        | Spindle Housing (bottom)             | Preferred manufacturing method is casting and machining | 1    |
| 2        | Spindle Housing (top) and stands     | Preferred manufacturing method is casting and machining | 1    |
| 3        | MTP14XL050-B-H6                      | MISUMI  | 1    |
| 4        | MTP60XL050-B-H15                     | MISUMI  | 1    |
| 5        | TBN158XL050                          | MISUMI  | 1    |
| 6        | Motor Bracket                        | Aluminium alloy series 3000                             | 1    |
| 7        | Maxon DC motor 218009                | RE40, Graphite Brushes, 150Watt                         | 1    |
| 8        | BS EN ISO 4762 M3 x 8 - 8C           |   | 3    |
| 9        | BS EN ISO 4762 M3 x 10 - 10C         |   | 2    |
| 10       | BS 4235-1 - Square Form B - 2x2 x 10 |   | 1    |
| 11       | Spindle shaft                        |   | 1    |
| 12       | BS 4235-1 - Square Form B - 5x5 x 10 |   | 1    |
| 13       | BS 3673-4 - S015M                    |   | 1    |
| 14       | BS EN ISO 4762 M12 x 25 - 25C        |   | 4    |
| 15       | BS EN ISO 4762 M8 x 20 - 20C         |   | 6    |

|   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
|---|-------------|--|-------------|---------|-----------|------------------------------------|----------------------|--|---|--|--------------|--|
| UNLESS OTHERWISE SPECIFIED:<br>DIMENSIONS ARE IN MILLIMETERS<br>SURFACE FINISH:<br>TOLERANCES:<br>LINEAR:<br>ANGULAR: |             |  |             | FINISH: |           | DEBURR AND<br>BREAK SHARP<br>EDGES | DO NOT SCALE DRAWING |  | REVISION                                |  |              |  |
|   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
|   | NAME        |  | SIGNATURE   |         | DATE      |                                    |                      |  | TITLE:<br><br>Exploded View of Assembly |  |              |  |
| DRAWN   | Tina Eslami |  | ID 10366592 |         |           |                                    |                      |  |   |  |              |  |
| CHK'D   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
| APPV'D  |             |  |             |         |           |                                    |                      |  |   |  |              |  |
| MFG   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
| Q.A   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
|   |             |  |             |         | MATERIAL: |                                    | DWG NO.              |  | A02                                     |  |              |  |
|   |             |  |             |         |           |                                    |                      |  |   |  |              |  |
|   |             |  |             |         |           |                                    | WEIGHT:              |  | SCALE:1:5                               |  | SHEET 1 OF 1 |  |
|   |             |  |             |         |           |                                    |                      |  |   |  |              |  |