


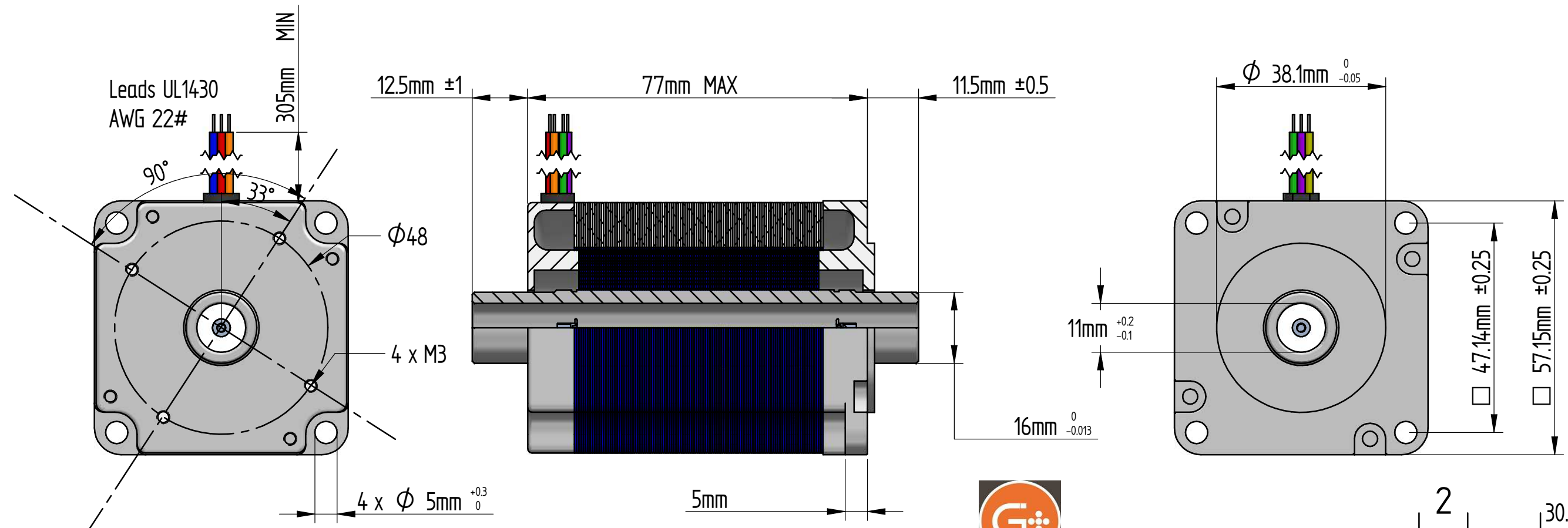
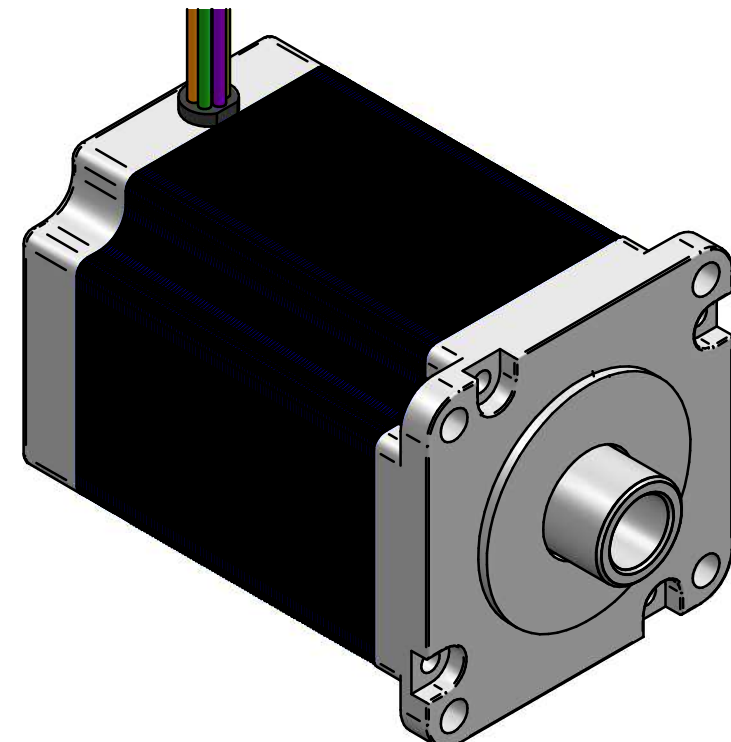
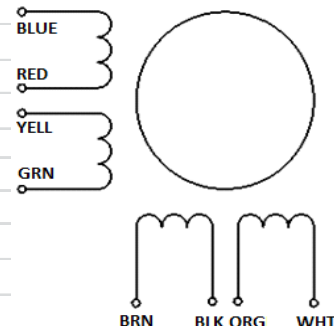
|  |      |                  |                |          |     |
|--|------|------------------|----------------|----------|-----|
| Step Angle   |      | 1.8°             |                |          |     |
| Step Angle Accuracy  |      | ±0.09            |                |          |     |
| Holding Torque Nm ±10%   |      | 1.8              | 1.8            | 1.3      |     |
|  |      | Bipolar Parallel | Bipolar Series | Unipolar |     |
| Current (RMS)  |      | 4.2A             | 2.1A           | 3A       |     |
| Winding Resistance (Ω)   |      | 0.5              | 2              | 1        |     |
| Winding Inductance (mH)  |      | 2.2              | 8.8            | 2.2      |     |
| Detent Torque  |      | 6.8N.cm          |                |          |     |
| Rotor Inertia (gcm²)   |      | 480              |                |          |     |
| Insulation Class   |      | Class B, 100MΩ   |                |          |     |
| Mass   |      | 1kg              |                |          |     |
| Direction of Rotation  | Step | BLUE             | RED            | BRN      | BLK |
|  |      | YELL             | GRN            | ORG      | WHT |
| <div>CW</div> <div>CCW</div>   | 1    | +                | -              | +        | -   |
|  | 2    | +                | -              | OFF      | OFF |
|  | 3    | +                | -              | -        | +   |
|  | 4    | OFF              | OFF            | -        | +   |
|  | 5    | -                | +              | -        | +   |
|  | 6    | -                | +              | OFF      | OFF |
|  | 7    | -                | +              | +        | -   |
|  | 8    | OFF              | OFF            | +        | -   |
| Sequence shown is for half-step excitation. For full step excitation energise as steps 1,3,5,7 |      |                  |                |          |     |

Label Details





DSM57-C10178  
BIPOLAR PLL 4.2A  
BIPOLAR SER 2.1A  
UNIPOLAR 3A

Made in China



 **GEEPLUS Holdings Ltd**

ISS NO. 2  
NAME.  
DATE 30.12.18

|   |  |   |  |   |  |   |  |  |  |          |  |      |  |   |  |  |  |
|---|--|---|--|---|--|---|--|--|--|----------|--|------|--|---|--|--|--|
| MATERIAL & SPECIFICATION  |  | FINISH                                  |  | REMOVE ALL BURRS & SHARP EDGES UNLESS OTHERWISE STATED  |  | TOLERANCES UNLESS OTHERWISE STATED  |  | CONFIDENTIAL<br><br>This drawing is the property of GEEPLUS Holdings Ltd. Information and knowhow contained hereon may not be used, reproduced, or revealed to others except in accordance with contract terms or express written consent of GEEPLUS Holdings Ltd or a subsidiary thereof. Any reproduction made for company use must bear this legend |  | DRAWN    |  | J.C. |  | <div></div> <div>GEEPLUS Holdings Ltd<br/>UNIT C, Triple Two Centre<br/>Tannery Close, Beckenham<br/>KENT, BR3 4BY, UK<br/>TEL : +44 (0)208 656 7788<br/>FAX : +44 (0)208 656 4274<br/>E-mail : info@geeplus.biz</div> |  | TITLE<br><br>Hybrid Stepping Motor Size 23 |  |
|   |  |   |  | All dimensions apply after plating unless otherwise stated  |  |   |  |  |  | CHECKED  |  |      |  |   |  |  |  |
|   |  |   |  |   |  |   |  |  |  | APPROVED |  |      |  |   |  |  |  |
| Ra & Rz values are in µm<br>Other dims are in mm<br>unless otherwise stated |  | THIS DRWG. COMPLIES WITH BS308 & BS3939 |  | <div></div> SCALE ON A3 PAGE 1:1 |  | DIMS TO 2 PLACES : ± 0.1mm<br>DIMS TO 1 PLACE : ± 0.2mm<br>DIMS W/O DEC PLACE : ± 0.4mm<br>HOLE DIA : +0.15mm / -0.05mm<br>ANGULAR : ± 0.3° |  | RoHS Compliance<br>All materials must be RoHS compliant. Steel used for machined parts may contain max <0.35% lead.  |  | USED ON  |  |      |  | DRWG. NO.<br><br>DSM57-C10178   |  |  |  |
|   |  |   |  | SCREW HEADS : ISOMETRIC TO BS 3643 PARTS 1, 2 OR 3  |  |   |  |  |  |          |  |      |  |   |  |  |  |