



**FOR SERVICE  
REFERENCE ONLY**

| ITEM NO. | QTY. | FILENAME          | PART NO. | DESCRIPTION                              |
|----------|------|-------------------|----------|--|
| 13       | 4    | WASHER10-20X440SS | 90706012 | WASHER, FLAT #10 SS                      |
| 12       | 1    | SPRING500_1250_LG | 90701354 | SPRING, EXTENSION, .500 X 1.25 LG        |
| 11       | 1    | SENSOR_ENCODER    | 90306075 | SENSOR_ENCODER,HEDS-9000000              |
| 10       | 4    | SCREWM5AC10SSP    | 91100510 | SCREW, M5 SOCKET 10 SS, W/PATCH          |
| 9        | 2    | SCREWM2-5AC14SS   | 91102514 | SCREW, M2.5 SOCKET 14 SS                 |
| 8        | 6    | SCREW10-14PPF500  | 90709062 | SCREW, #10 PHIL PAN 1/2 PLASTITE SZ      |
| 7        | 1    | DB154             | 99080251 | PLATE, MOTOR ADJUST, PAN DL2             |
| 6        | 2    | DB335             | 99430118 | PINION, ASSY 17T 3MM HTD                 |
| 5        | 2    | MR060             | 99270035 | MOTOR, STEP 3PH S60 22.5MM SHAFT JS      |
| 4        | 1    | ENCODER_DISK      | 99180070 | ENCODER, WHEEL 23.36 RADIUS, 2048 CPR    |
| 3        | 1    | DB260             | 99220039 | COVER, ENCODER DL                        |
| 2        | 1    | BUSHING_562_SPLIT | 90719032 | BUSHING, .56 OPEN/CLOSED NYLON BLACK     |
| 1        | 1    | DB470             | 99190095 | ADHESIVE DISK, DOUBLE-SIDED, ENCODED DL2 |

BILL OF MATERIALS

|   |  |                        |  |                              |
|---|--|------------------------|--|------------------------------|
| UNLESS OTHERWISE SPECIFIED:                             | RELEASE DATE:                                | CE:                    | 2105 GRACY FARMS LANE<br>AUSTIN, TEXAS 78758<br>(512) 836-2242<br>FAX (512) 832-4128<br>***** http://www.highend.com | LIGHTWAVE<br>RESEARCH        |
| DIMENSIONAL TOLERANCES:                                 | ENG:   | OA:                    |  |                              |
| 0 PLACE DECIMAL = ±0.38                                 | ME:  | DRW:                   |  |                              |
| 1 PLACE DECIMAL = ±0.25                                 | MEG:   |                        |  |                              |
| 2 PLACE DECIMALS = ±0.13                                | ANGLES = ±0.5°                               | DESCRIPTION:           | ASSY, MOTOR W/SENSOR, TOP BOX DL2  |                              |
| FOR PAINTED PARTS REFER TO<br>ENG. SPEC. MANUAL WI-0592 | MATERIAL:                                    | FINISH:                |  |                              |
| MIN. DRAFT  | CHARTED                                      |                        |  |                              |
| MIN. RADII  | INTERPRET DIMENSIONS PER<br>ASME Y14.5M-1994 | SI METRIC<br><b>A1</b> | PART NO.<br><b>INTERNAL DBA028</b>   | REV.                         |
| FLATNESS  | THIRD ANGLE PROJECTION                       |                        | DO NOT SCALE   | DRAWING NO.<br><b>DBA028</b> |
| THICKNESS   | DIMENSIONS ARE IN MILLIMETERS                |                        | SCALE: 1.000   | SHEET: 1 OF 1                |
| VOLUME  |  |                        |  |                              |

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