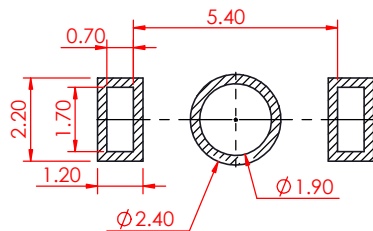
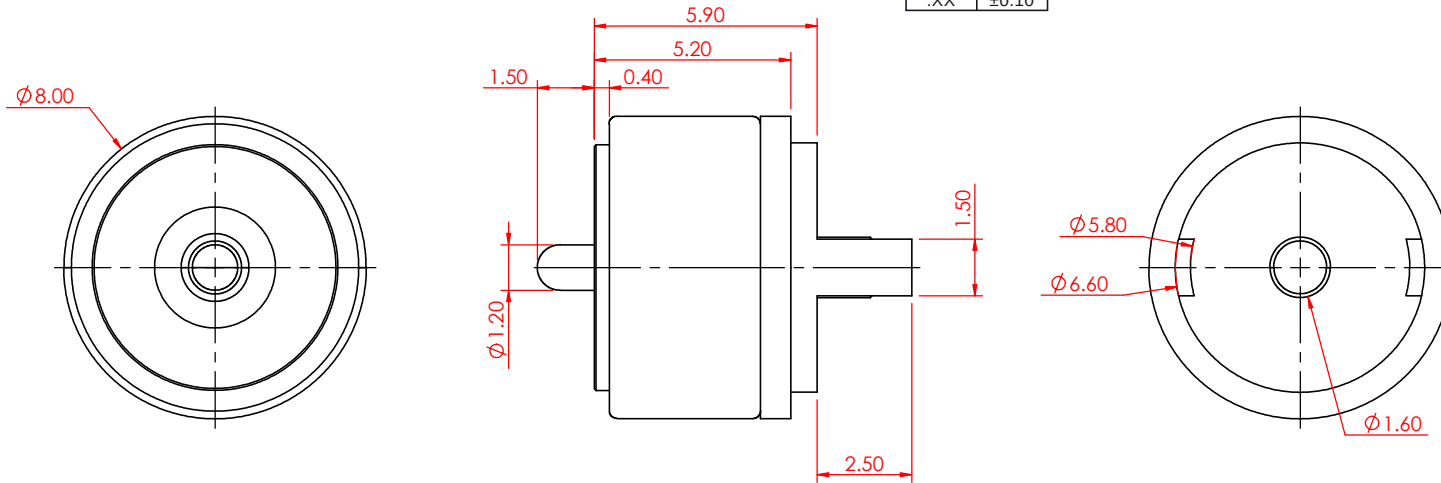


| TOLERANCE<br>UNLESS OTHERWISE<br>SPECIFIED |       |
|--------------------------------------------|-------|
| .X                                         | ±0.15 |
| .XX                                        | ±0.10 |

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| ISSUE NUMBER                              |   |
|-------------------------------------------|---|
| ORIGINAL                                  | ① |
| UPDATE SPECIFICATIONS<br>J.L. FEB.20/2023 | ② |
| ADD NOTE 9 & 10                           |   |
| P.M. AUG. 11/2023                         | ③ |
| SPECIFICATIONS UPDATED                    |   |
| V.K. MAR. 18/2024                         | ④ |



PCB LAYOUT

## SPECIFICATIONS

|                               |                  |
|-------------------------------|------------------|
| CONTACT MATERIAL:             | BRASS            |
| CONTACT PLATING:              | GOLD PLATING 5μ" |
| HOUSING MATERIAL:             | PA46             |
| HOUSING COLOR:                | BLACK            |
| MAGNET MATERIAL:              | N52              |
| VOLTAGE RATING (PER CONTACT): | 12V              |
| CURRENT RATING (PER CONTACT): | 2A               |
| INSULATION RESISTANCE:        | 100MΩ MIN.       |
| WITHSTANDING VOLTAGE:         | 100V AT 60HZ     |
| OPERATING TEMPERATURE:        | -30 °C TO 85 °C  |
| WORKING STROKE:               | 1.1 MM           |
| STROKE FORCE (PER CONTACT):   | 80 ± 20 GF       |
| MATING LIFE CYCLE:            | 10000            |

MATES WITH: 686Q02212001C1E

RECOMMENDED SOLDERING PROCESS ARE SELECTIVE SOLDERING OR MANUAL SOLDERING. OTHER FORMS OF SOLDERING SUCH AS WAVE SOLDER OR REFLOW SOLDER ARE NOT RECOMMENDED AND CAN POTENTIALLY CAUSE DEMAGNETIZATION OF MAGNET IN THE CONNECTOR



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TORONTO, ONTARIO  
CANADA  
YOUR CONNECTION TO QUALITY & SERVICE

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|                                                  |  |                     |                 |                 |
|--------------------------------------------------|--|---------------------|-----------------|-----------------|
| MAGNETIC SPRING LOADED CONNECTOR,<br>2 POS, MALE |  | ACAD REFERENCE NO.: | 685Q02212011C1E | UNIT: MM        |
|                                                  |  | DRAWN:              | J.L.            | DATE: 3/13/2023 |
|                                                  |  | CHECKED:            | R.S.M           | DATE: 6/28/2024 |
|                                                  |  | SCALE:              | 5:1             | SHEET 1 OF 1    |
|                                                  |  | DRAWING NUMBER:     | 685Q02212011C1E | ISSUE<br>4      |
|                                                  |  | PART NUMBER:        | 685Q02212011C1E |                 |