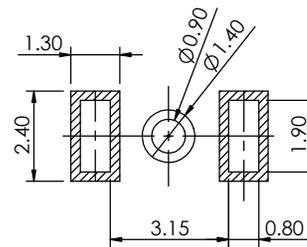
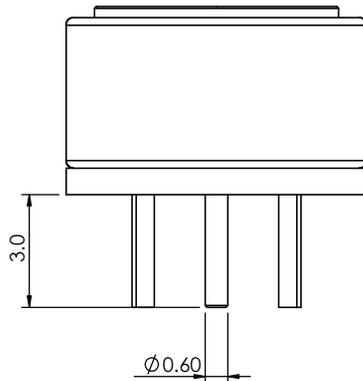
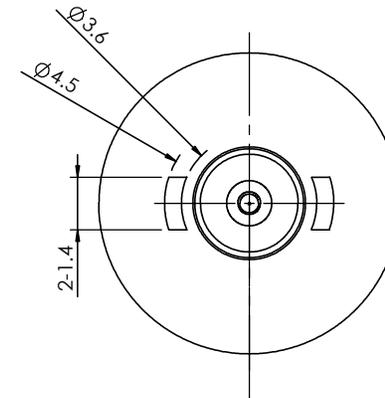
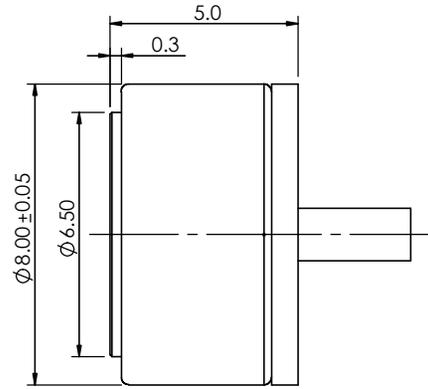
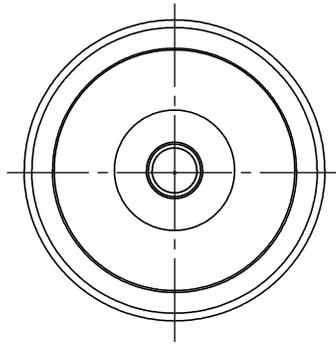


TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±0.15
.XX	±0.10

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DO NOT MAKE MANUAL REVISIONS TO MASTER.



ISSUE NUMBER	
ORIGINAL	①
UPDATE SPECIFICATIONS J.L. FEB.20/2023	②
ADD NOTE 9 & 10	
P.M. AUG. 11/2023	③
DELETE NOTE 7 L.K. AUG. 18/2023	④



PCB LAYOUT  
TOLERANCE: ±0.05

**SPECIFICATION:**

**1- MATERIAL:**

CONTACT: H59, BRASS, GOLD FLASH PLATING ALL OVER NICKEL UNDERPLATING  
HOUSING : PA46, BLACK  
MAGNET: N52

**2- ELECTRICAL:**

RATED VOLTAGE (PER CONTACT): 12V  
RATED CURRENT (PER CONTACT): 2A  
INSULATION RESISTANCE: 100MEGAOHMS MIN.  
DIELECTRIC WITHSTAND VOLTAGE: 100V AT 60Hz  
CONTACT RESISTANCE: 30mOHMS MAX. BEFORE TEST AND 60mOHMS MAX. AFTER TEST

**3- RECOMMENDED WORKING STROKE & FORCE: STROKE 1.1MM (PER CONTACT) 80gf±20gf**

- 4- MECHANICAL LIFE: 10,000 CYCLES MIN.
- 5- WORKING TEMPERATURE RANGE: -30~+85°C.
- 6- MAGNET GAUSE VALUE: 2400±200GS
- 7- SALT SPRAY TEST: 48H, PASSED

8- 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

**9- MATING WITH: 685Q02212011C1E**

<b>MAGNETIC SPRING LOADED CONNECTOR, 1POS, FEMALE</b>	ACAD REFERENCE NO.: 686Q02212001C1E	UNIT: MM
	DRAWN: J.L.	DATE: 2023-02-07
	CHECKED: R.S.M	DATE: 8/24/2023
	SCALE: (IN CAD 1:1)	SHEET 1 OF 1
	DRAWING NUMBER: 686Q02212001C1E	ISSUE
	PART NUMBER: 686Q02212001C1E	4



THIS SERIES FULLY CONFORMS TO  
THE EUROPEAN UNION DIRECTIVES  
2011/65/EU FOR RoHS COMPLIANCY.



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TORONTO, ONTARIO  
CANADA  
YOUR CONNECTION TO QUALITY & SERVICE

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