

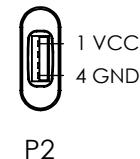
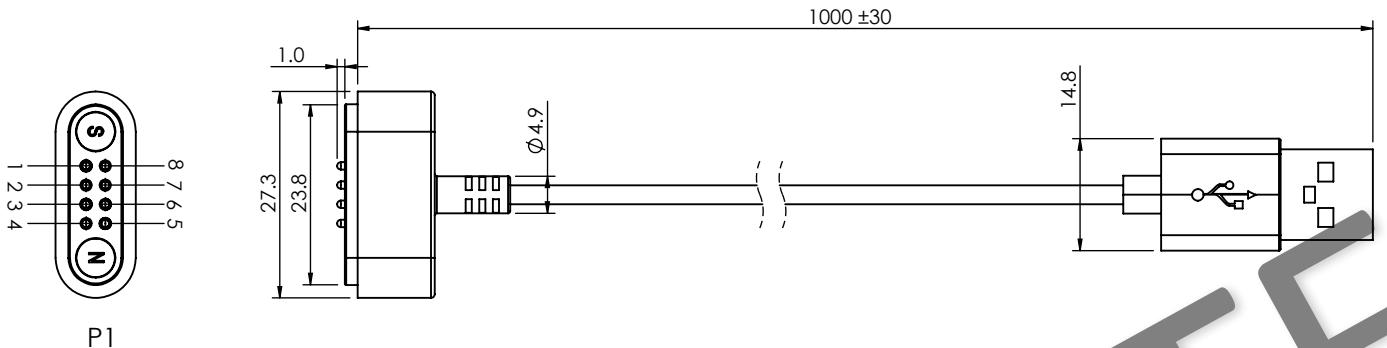
TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	± 0.15
XX	± 0.10

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ISSUE NUMBER

ORIGINAL	(1)
ADD NOTE 8	
P.M.	AUG. 12/2023 (2)



SPECIFICATION:

1- MATERIAL:

CONTACT: BRASS, GOLD FLASH PLATING ALL OVER NICKEL UNDERPLATING
HOUSING : PA46, WHITE

MAGNET : N52

CABLE: TPE, GREY, OD: 2.5 ± 0.10

2- ELECTRICAL:

VOLTAGE RATING (PER CONTACT): 5V

CURRENT RATING (PER CONTACT): 1A

INSULATION RESISTANCE: 300V/DC 10MEGAOMHS (MIN.)

ON-RESLSTANCE: 3OHMS MAXIMUM

100% BREAK/SHORT TEST

3- SWING TEST: LIFTING WEIGHT 200g, ± 60 DEGREES, 30 TIMES/MIN, 2000 TIMES CONDUCTION OK.

4- SALT SPRAY TEST: 5% SALT SPRAY CONCENTRATION, TEMPERATURE 35°C, TEST TIME 48 HOURS, NO CORROSION.

5- WORKING STROKE & FORCE: PRESS STROKE 1.0mm (PER CONTACT) 50gf MAX.

6- LIFE TEST: PRESS STROKE 0.8mm, 10,000 CYCLES MIN.

7- OPERATING TEMPERATURE RANGE: -30°C~+85°C.

8- MATING WITH: 686B0822250210E

WIRING TABLE

P1	P2
7	RED 1 VCC
2	BLACK 4 GND

MAGNETIC SPRING LOADED CONNECTOR TO
USB-A CABLE ASSEMBLY, 8POS, MALE

ACAD REFERENCE NO.: 687B0812A512100 UNIT: MM

DRAWN: J.L. DATE: 8/12/2023

CHECKED: R.S.M. DATE: 8/12/2023

SCALE: (IN CAD 1:1) SHEET 1 OF 1

DRAWING NUMBER: 687B0812A512100 ISSUE

PART NUMBER: 687B0812A512100 2



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TORONTO, ONTARIO
CANADA

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