

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

THIS IS A C.A.D. GENERATED DRAWING  
DO NOT MAKE MANUAL REVISIONS TO MASTER.



ISSUE NUMBER	
ORIGINAL	①
ADD NOTE 5 & 6	
P.M.	AUG. 13/2023 ②

SPECIFICATION:

1- MATERIAL:

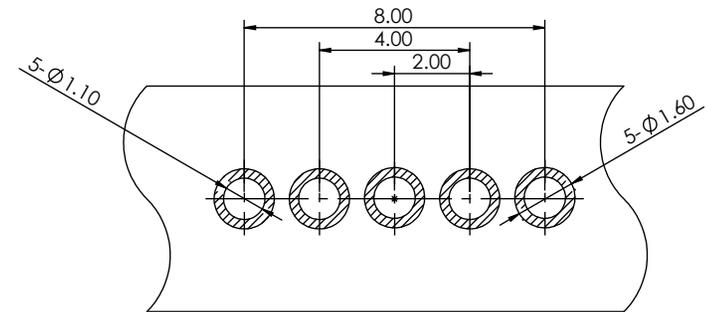
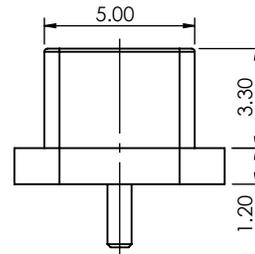
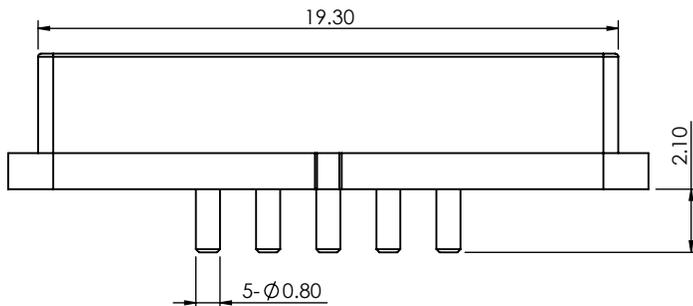
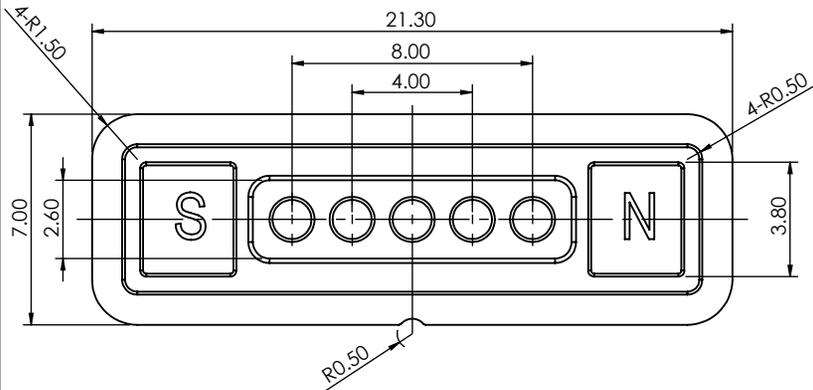
CONTACT: BRASS, GOLD FLASH PLATING ALL OVER NICKEL UNDERPLATING  
HOUSING : PA46, BLACK  
MAGNET : N52

2- ELECTRICAL:

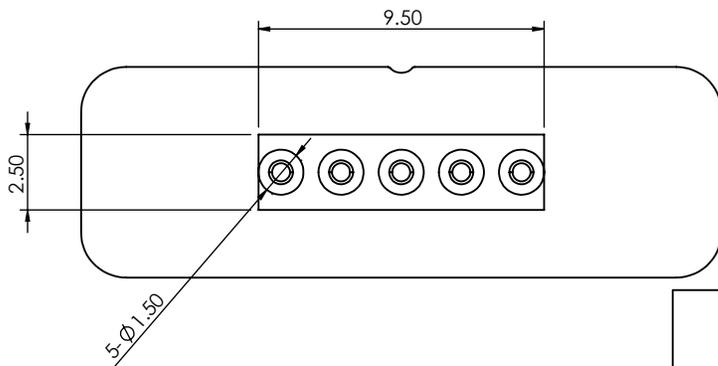
RATED VOLTAGE (PER CONTACT): 5V  
RATED CURRENT (PER CONTACT): 2A  
INSULATION RESISTANCE: 100MEGAOHMS MIN.  
DIELECTRIC WITHSTANDING VOLTAGE: 100V AT 60HZ.  
CONTACT RESISTANCE: 30mOHMS MAX. BEFORE TEST AND 60mOHMS MAX. AFTER TEST  
3- SALT SPRAY TEST: 5% SALT SPRAY CONCENTRATION, TEMPERATURE 35°C, TEST TIME 48 HOURS, NO CORROSION.  
4- WORKING TEMPERATURE RANGE: -30~+85°C.

5- 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

6- MATING WITH: 687J0522A51110E, 685J0521451110E, 685J0521251110E, 685J0521351110E, 685J0521351114E OR 685J0521251114E



RECOMMENDED P.C.B. LAYOUT (T=1.6mm)  
TOLERANCE UNSPECIFIED ±0.05mm



MAGNETIC SPRING LOADED CONNECTOR,  
5POS, FEMALE

ACAD REFERENCE NO.:	686J0521250110E	UNIT: MM
DRAWN:	J.L.	DATE: 8/13/2023
CHECKED:	R.S.M	DATE: 8/13/2023
SCALE:	(IN CAD 1:1)	SHEET 1 OF 1
DRAWING NUMBER:	686J0521250110E	ISSUE
PART NUMBER:	686J0521250110E	2



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



YOUR CONNECTION TO QUALITY & SERVICE

EDAC INC  
TORONTO, ONTARIO  
CANADA

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