



161 Alden Road, Units 7 & 8, Markham, Ontario Canada L3R 3W7
 Tel: +1 416 754-3322 Fax: +1 416-754-3299
 Email: support@edac.net http://www.edac.net

ENGINEERING CHANGE NOTICE

Originator:	Wenyu Qin	Date:	Document Number
Phone No.	416-754-3322	January 19, 2026	20260119-00
Email Address:	wqin@edacgroup.net	Revision Number	SHEET
Department	Quality	R3	1 of 3

CHANGE TYPE:

- CLASS I Customer notification and approval required prior to implementation
- CLASS II Customer notification only, no approval required
- CLASS III No customer notification required

REASON OF CHANGE

Specification Updates

DESCRIPTION OF CHANGE:

Part number 685E0321350120E has undergone the following updates:

1. Revised certain nominal dimensions and tolerances.
2. Updated the magnetic pole orientation.
3. Clarified the gold plating thickness.

All these changes can be found on pages 2, highlighted with red circles.

PARTIES AFFECTED

- Customer
- Distributors
- Suppliers
- NORCOMP
- MH
- ETW
- ECA
- EDG
- EDAC UK

KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED (check if applicable and show target dates as known)

- Submit Quote _____
- Prod. Trial Run _____
- Run at Rate _____
- PPAP from Supplier _____
- MRD of Production Parts _____
- UL / CSA / RoHS / REACH _____

ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)

- Tooling Rep _____
- Mfg Eng Rep _____
- Production Rep _____
- Materials Rep _____
- Quality Rep Wenyu Qin
- Marketing Rep Marco Lamanna
- Facilities Rep _____
- Sales Rep. Esther Marothy
- Product Eng. Rep. _____
- Purchasing Rep _____

STATUS

APPROVED

CCS CHANGE REQUEST #

APPROVALS FOR ECN INITIATION (REQUIRED)

- General Manager** Bob Sakitkovski
 - Engineering Manager** Ronnie Sta. Monica
 - Business Development Manager** Kobie Samuels
 - Quality Engineer** Wenyu Qin
 - Engineer** Vinash Kamania
- KSmd 1-22-26*

REJECTED

Change REJECTED by:

Rejected Date:

R2

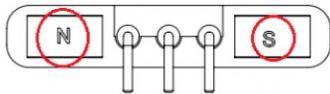
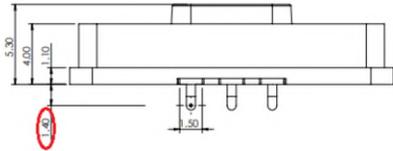
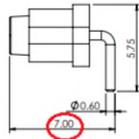
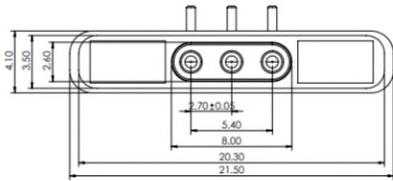
R3

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	±0.15
ZX	±0.10

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ISSUE NUMBER	
ORIGINAL	①
ADD NOTE 6 & 7	②
P.M. AUG. 12/2023	③



SPECIFICATION:

- MATERIAL:**
CONTACT: BRASS, GOLD FLASH PLATING ALL OVER NICKEL UNDERPLATING
HOUSING: PA46, BLACK
SPRING: SUS
MAGNET: NS2
- ELECTRICAL:**
RATED VOLTAGE (PER CONTACT): 12V
RATED CURRENT (PER CONTACT): 2A
INSULATION RESISTANCE: 100MΩ OHMS MIN.
DIELECTRIC WITHSTAND VOLTAGE: 100V AT 60Hz
CONTACT RESISTANCE: 30mΩ MAX. BEFORE TEST AND 60mΩ MAX. AFTER TEST
- RECOMMENDED WORKING STROKE & FORCE: STROKE 0.8MM (PER CONTACT); 50gf±20gf
- MECHANICAL LIFE: 30,000 CYCLES MIN.
- WORKING TEMPERATURE RANGE: -30~+85°C.
- 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
- MATING WITH: 686E0321250110E

MAGNETIC SPRING LOADED CONNECTOR, 3 POS, MALE

ACAD REFERENCE NO.:	686E0321350120E	UNIT:	MM
DRAWN:	J.L.	DATE:	8/12/2023
CHECKED:	R.S.M	DATE:	8/12/2023
SCALE:		SHEET	1 OF 1
DRAWING NUMBER:	686E0321350120E	ISSUE	
PART NUMBER:	686E0321350120E		2



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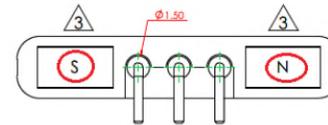
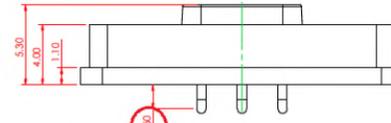
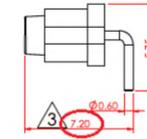
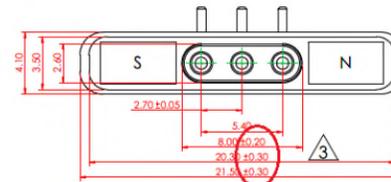
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TOLERANCE UNLESS OTHERWISE SPECIFIED	
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ZX	±0.10

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ISSUE NUMBER	
ORIGINAL	①
ADD NOTE 6 & 7	②
P.M. AUG. 12/2023	③
SPECIFICATIONS UPDATED DIMENSION, TOLERANCES & POLARITY UPDATED V.K.	④
JAN. 12/2026	



3 SPECIFICATIONS

- | | |
|-------------------------------|-----------------|
| CONTACT MATERIAL: | BRASS |
| CONTACT PLATING: | GOLD PLATING 60 |
| HOUSING MATERIAL: | PA46 |
| HOUSING COLOR: | BLACK |
| MAGNET MATERIAL: | NS2 |
| VOLTAGE RATING (PER CONTACT): | 12V |
| CURRENT RATING (PER CONTACT): | 2A |
| INSULATION RESISTANCE: | 100MΩ MIN. |
| WITHSTANDING VOLTAGE: | 100V AT 60 Hz |
| OPERATING TEMPERATURE: | -30°C TO 85°C |
| WORKING STROKE: | 0.8 MM |
| STROKE FORCE (PER CONTACT): | 50 ± 20 GF |
| MATING LIFE CYCLE: | 30000 |

MATES WITH: 686E0321250110E

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

MAGNETIC SPRING LOADED CONNECTOR, 3 POS, MALE

ACAD REFERENCE NO.:	686E0321350120E	UNIT:	MM
DRAWN:	J.L.	DATE:	3/13/2023
CHECKED:	R.S.M	DATE:	3/10/2026
SCALE:	1:1	SHEET	1 OF 1
DRAWING NUMBER:	686E0321350120E	ISSUE	
PART NUMBER:	686E0321350120E		3



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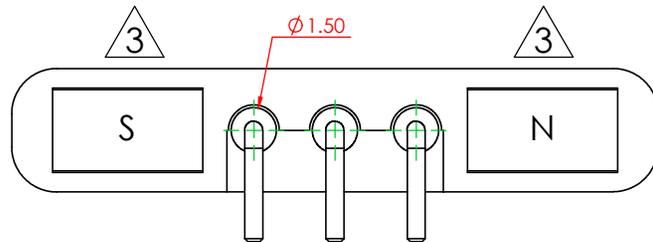
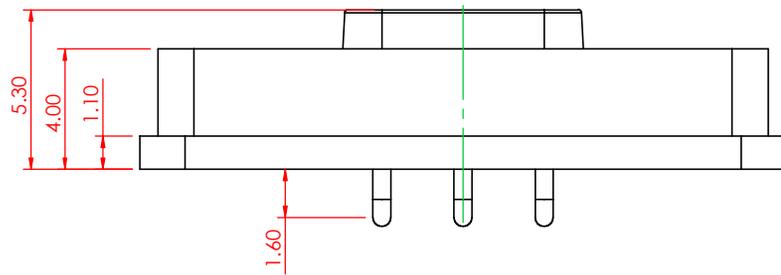
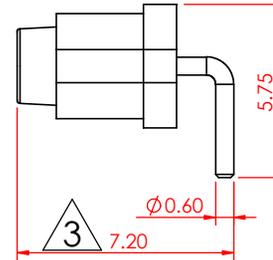
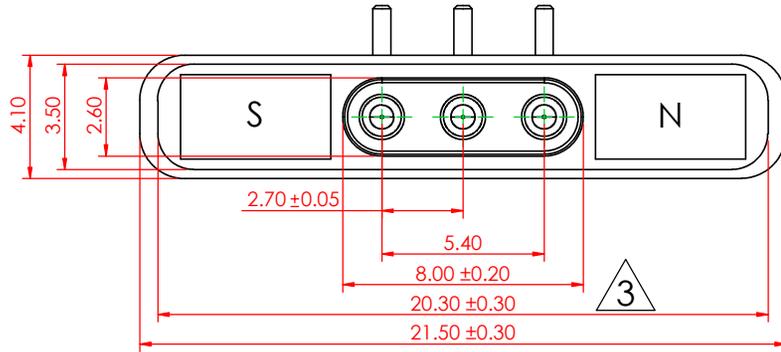
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.XX	±0.15

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P.M.	AUG. 12/2023 ②
SPECIFICATIONS UPDATED DIMENSION, TOLERANCES & POLARITY UPDATED	
V.K.	JAN. 12/2026 ③



③ 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 60 HZ
OPERATING TEMPERATURE:	-30 °C TO 85 °C
WORKING STROKE:	0.8 MM
STROKE FORCE (PER CONTACT):	50 ± 20 GF
MATING LIFE CYCLE:	30000

MATES WITH: 686E0321250110E

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SCALE:	1:1	SHEET 1 OF 1
DRAWING NUMBER:	685E0321350120E	ISSUE
PART NUMBER:	685E0321350120E	3



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