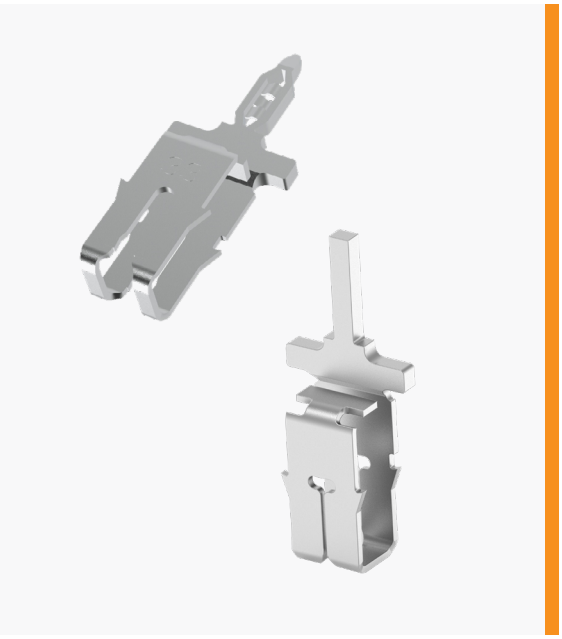


NEW MAG-MATE TERMINALS WITH MULTISPRING PIN FOR ALUMINUM MAGNET WIRE

ELIMINATE THE NEED FOR SOLDERING IN MOTOR CONNECTIONS.

PRODUCT DESCRIPTION

MAG-MATE terminals with Multispring pin combine insulation displacement connection (IDC) terminals with a press-fit Multispring pin to enable the ability to directly connect magnet wire to a PCB with no soldering or welding.

Our Multispring pin offers the highest normal force for PCB connection without the use of soldering or welding and is an ideal solution for applications with multi-layer PCB's. The integration of our Multispring pin permits the removal of the motor connection for maintenance (no more than 2 times) with low stress to the PCB hole resulting in no plastic deformation or loss of the gas tight connection.

The introduction of these terminals to the product offering now allows for the termination of aluminum magnet wires using MAG-MATE terminals with Multispring pin, allowing your customers the flexibility to use aluminum instead of copper magnet wires in their motor designs which could provide significant material cost savings.

INDUSTRIES

MOTORS, BOBBINS, COILS FOUND WITHIN:

- Small Domestic Applications
- Major Home Appliances
- Automotive
- Motorcycles
- ICT
- Industrial Machinery and Automation
- HVAC
- Medical Devices
- Drones
- Automation

KEY FEATURES AND BENEFITS

- Eliminates the need for welding and/or soldering processes in both the magnet wire termination and the PCB termination steps providing improved operating efficiencies
- No pre-stripping of wires needed saving time and labor costs
- Multispring pin design offers the highest normal force for PCB connection without the use of soldering or welding
- Multispring pin permits for the removal of the motor connection (no more than 2 times) to allow for maintenance, reducing scrap rates

TECHNICAL DETAILS

- **Material:** Post Tinned Copper Alloy
- **Product Specification:** 108-74116
- **Application Specification:** 114-74109
- **Temperature Rating:** -65°C to 150°C [-85°F to 302°F]

PART DETAILS

Part Number	Description	AWG Range	Range (mm)	Wire Slot ID	Typical Cavity Size
1247001-3	MAG-MATE "300 SERIES" WITH MULTISPRING	28-25	0.32-0.45	6	2
1247002-3	MAG-MATE "300 SERIES" WITH MULTISPRING	24-22	0.51-0.64	10	2
1247003-3	MAG-MATE "300 SERIES" WITH MULTISPRING	22-18.75	0.63-0.95	12	2
1247004-3	MAG-MATE "300 SERIES" WITH MULTISPRING	19.5-17	0.85-1.15	24	2
2238145-3	MAG-MATE "300 SERIES" WITH MULTISPRING PIN	15-16	1.30-1.45	33	2

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