MagJack® ICM

Dual, Stacked Port 1GBase-T 30W and 60W PoE MagJack® ICMs





The MagJack® brand of dual, stacked port 1GBase-T 30W and 60W PoE ICMs combine two RJ45 Ethernet ports into one magnetic connector. This design creates small but robust ICMs that can safely inject 30W or 60W of power. These ICMs provide an ideal solution for customers who are looking to save board space by stacking RJ45 connectors together, grouping the Ethernet magnetics within the connector and enabling the magnetics to inject power onto the data lines.

The 1GBase-T 30W and 60W PoE MagJack® ICMs operate in harsh industrial conditions, without degrading the performance. These ICMs support a wide range of 1GBase-T Ethernet applications and are available with an industrial operating temperature range of -40˚C and 85˚C. With 30W or 60W, this also allows for different power options to be considered based on the end product need and the cost budget.

This product type is aimed at customers building products from switches to routers to single board computers to Ethernet controllers. Communication equipment is adding the capability of either providing or accepting power over Ethernet, the need arises for smaller, higher density connectors capable of this functionality.

Features & Benefits

- Meets all IEEE 802.3 1GBase-T electrical requirements including RL, IL, Hi-pot and common-mode parameters
- Operates from -40˚C to 85˚C or as specified
- 100% hi-pot tested in production
- Combines two RJ45 Ethernet ports into one connector
- Available with 30W or 60W options
- Optional LEDs
- UL recognized
- RoHS 6/6 compliant

RoHS Compliant

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belfuse.com/magnetic-solutions

Please read our datasheet & drawing disclaimer here.

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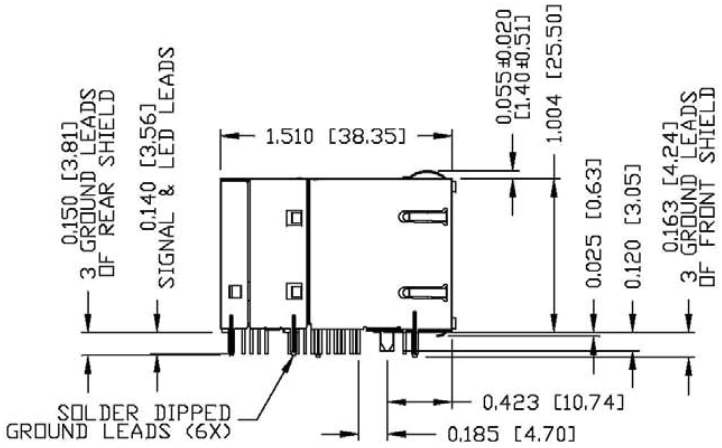
Applications

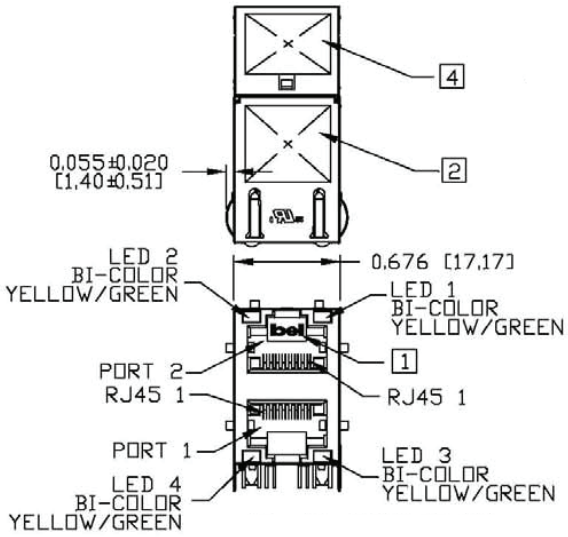
- Ethernet switches
- Network routers
- Industrial Ethernet controllers
- Ethernet PoE repeaters

Part Numbers

Bel Part Number	Description
0895-2C1R-GK	2x1 1GBase-T 30W PoE ICM
0895-2C1R-GVH	2x1 1GBase-T 60W PoE ICM

Part Drawing





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