MagJack® ICM

10GBase-T MagJack® ICMs

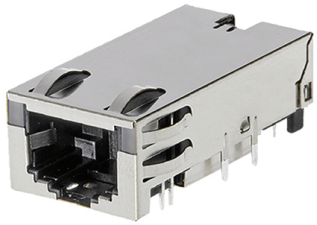
Single and Dual Port ICMs for use with Broadcom® Ethernet PHYs

Bel Magnetic Solutions designed single and dual port 10GBase-T MagJack® ICMs for use with next generation Broadcom® Ethernet PHYs. These ICMs are NBASE-T compliant and meet the IEEE 802.3an standard for 10GBase-T Ethernet protocol over distances up to 100m over Cat6a Cable.

As power consumed by Ethernet PHYs comes down, and the bandwidth usage by devices and users increases, our ICMs offer quality solutions for users looking to cost effectively implement 10GBase-T.









Benefits

- Designs approved by Broadcom®
- 4-speed capable
- Backward compatible down to 1GBaseT in existing networks.
- Can be used on next general PoE products where 1G, 30W of power is not enough.
- Great for saving board space when 2 ports are needed.
- ICMs mounts into the plane of the PCB, reducing the overall height for low clearance applications.

Specifications

- Meets all IEEE 802.3an, 10GBase-T electrical requirements including RL, IL, Hi-pot and Common Mode parameters
- The G27-122T-066A can carry 600mA of current at 57 VDC continuous
- 100% Hi-pot tested in production
- Available in different LED color combinations and options
- 50 micro-inches of gold plated contacts as required by the TIA 1096/FCC 47, Part 68
- Lead-free wave-solder compatible
- EMI-spring tabs on the shield for enhanced EMI and ESD performance
- UL recognized
- RoHS 6/6 compliant

Applications

- High-Speed Network Interface Cards
- Storage Area Networks
- High End Servers
- Cloud Computing

Common Part Numbers		
Bel	G10-1GHT-012E	1x1 with LEDs, PCIe compliant top-of-board mount
Bel	G15-111T-076C	1x1 with LEDs, OCP compliant mid-plane PCB mount
Bel	G27-122T-066A	1x1 with LEDs, 60W 4PPOE compliant
Bel	G23-21YR-112	2x1 with LEDs, high density PCB mount
TRP	2250128-1	1x1 with LEDs, PCIe compliant top-of-board mount

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Please read our datasheet & drawing disclaimer here.