



Introducing Mag45 Power Over Ethernet Connector Plus PSE-ICM

Tyco Electronics Mag45 PoE Plus connectors provide enhanced power over Ethernet through standard CAT5 Ethernet cabling. The enhanced power of the Mag45 PoE Plus connector allows products to be powered over existing Cat5 Ethernet infrastructure. The complete product line offers fully integrated solutions, PoE Plus enabled solutions, and standard 10/100/1000 solutions in compatible footprints.

Mag45 Power Over Ethernet Connector Plus PSE-ICM



KEY FEATURES

- Current carried supported to current 802.3at specification. (600mA)
- 80V tolerant, surge protected system with single voltage feeding. (51-56V)
- 0.25Ω total channel resistance
- EMI optimized design
- Compact design

Tyco Electronics Technical Support Center

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APPLICATIONS

- Switches, routers, hubs
- Wireless access points
- Network cameras
- Video/IP telephones
- Point of sale terminals
- Thin client computers

ELECTRICAL

- Magnetic product performs for 10/100/1000BASE-T applications
- Insertion Loss -1.29 dB maximum at 100 MHz
- Return Loss -10 dB minimum at 100 MHz
- Crosstalk -20.5 dB minimum at 100MHz
- Dielectric Withstand Voltage 2250 VDC

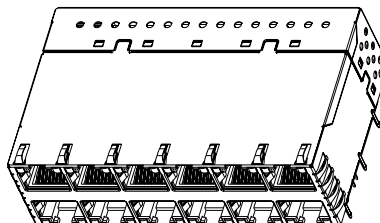
APPLICATION AND SPECIFICATION

- IEE 802.3 at
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- PoETec compliant available
- UL E141081
- IEC 60950-1
- FCC Class B compliant

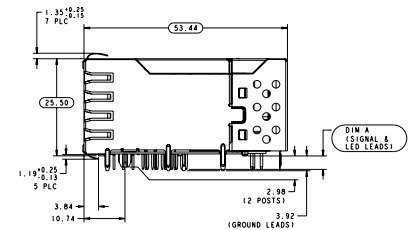
PRODUCT OFFERING

| Base PN | Magnetics | Description | Footprint | Ports |
|---------|-------------|---|--------------|-------|
| 1840251 | 10/100/1000 | 2X6 Mag45 GIG INTGRTD PoE+ S9HG48 W/ LED, LTC Chip | Through Hole | 2x6 |
| 1840269 | 10/100/1000 | 2X4 Mag45 GIG INTGRTD PoE+ S9HG48 W/ LED, LTC Chip | Through Hole | 2x4 |
| 1840329 | 10/100/1000 | 2X6 Mag45 GIG PoE+ Enabled S9HG02 W/O LED 840mA | Through Hole | 2x6 |
| 1840369 | 10/100/1000 | 2X6 Mag45 S9HG56 GIG PoE+ Enabled | Through Hole | 2x6 |
| 1840926 | 10/100/1000 | 2X8 Mag45 GIG PoE+ Enabled S9HG43 Circuit W/O LED | Through Hole | 2x8 |
| 1840257 | 10/100/1000 | 2X6 Mag45 GIG S8G16 AUTO-WELD MOD W/ LED Non PoE | Through Hole | 2x6 |
| 1840333 | 10/100/1000 | 2X6 Mag45 GIG INTGRTD PoE+ S9HG48 W/ LED, MS Chip | Through Hole | 2x6 |
| 1840353 | 10/100/1000 | 2X6 Mag45 GIG INTGRTD PoE+ S9HG48 W/ LED, BCM Chip, DC Disconnect | Through Hole | 2x6 |
| 1840267 | 10/100/1000 | 2X6 Mag45 GIG PoE+ Enabled S9HG49 Circuit | Through Hole | 2x6 |

PRODUCT DIMENSIONS



SCALE 3:1



 **Tyco Electronics**

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