



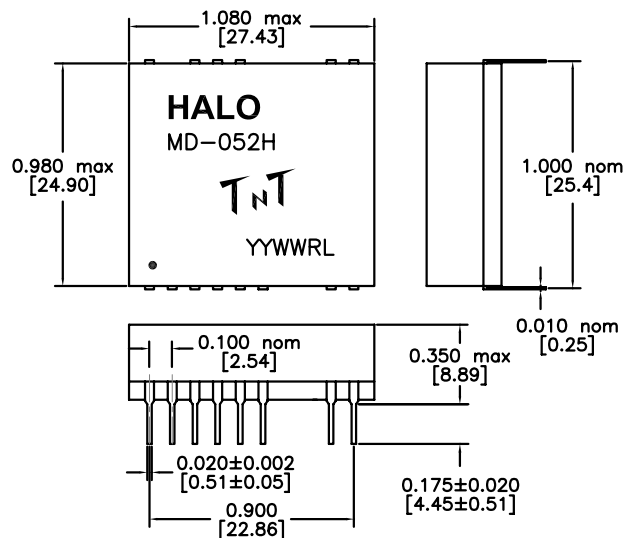
# MD-052HRL

HALO Electronics low current Thin Net Transceiver module  
 Fully compatible with ANSI/IEEE 802.3 and ISO 8802-3 Standards for Thin Net  
 RoHS compliant  
 Compatible to Lead-free wave soldering process for through hole components

## ELECTRICAL RATINGS

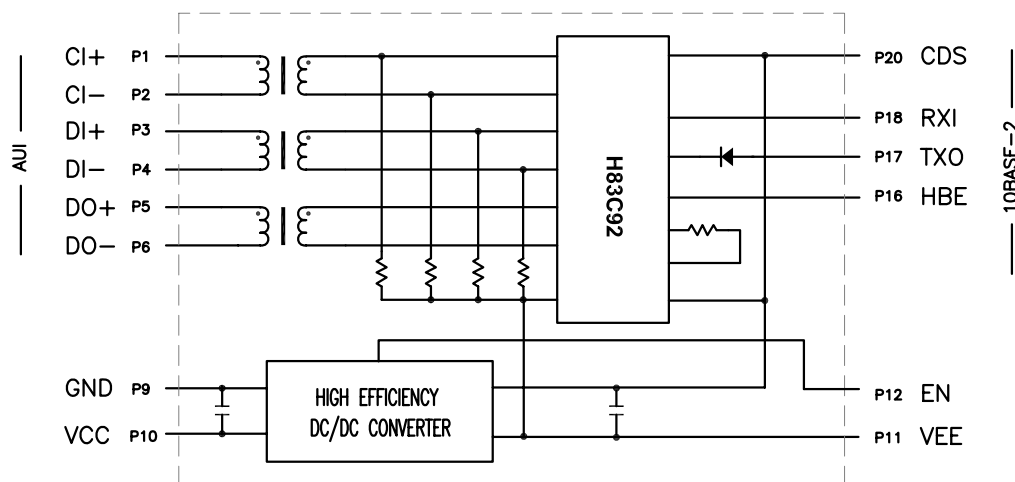
|                     |                   |                       |                |
|---------------------|-------------------|-----------------------|----------------|
| Input voltage (Vcc) | 5V±5%             | Enable (active High)  | TTL compatible |
| Input current       | 225mA max@5V      | Operating Temperature | 0° to 70°C     |
| Vee ripple          | 100mVpp max@20MHz | Storage Temperature   | -40° to +125°C |

### MECHANICAL DIMENSIONS



DIMENSIONS: Inch [mm]  
 RECOMMENDED PCB THROUGH HOLE SIZE:  $\varnothing$ 0.035-0.040 INCH  
 TOLERANCES:  $\pm$ 0.005 INCH IF NOT SPECIFIED

### BLOCK DIAGRAM / PIN OUTS



|  |          |                    |      |            |               |          |          |               |
|--|----------|--------------------|------|------------|---------------|----------|----------|---------------|
| <b>HALO/PBL</b>                                    | TITLE    | TRANSCEIVER MODULE |      | SIGNATURES | DATE          | REV.     | DESC.    | DATE          |
|  | FOR      | 10BASE-2           |      | DRAWN      | PETER LU      | 1/15/08  | A        | FIRST ISSUE   |
|  | PART NO. | MD-052HRL          |      | CHECKED    | LEI KEONG     | 11/23/09 | B        | PROD. RELEASE |
|  | SCALE    | NONE               | PAGE | 1 OF 1     | APPROVED      | PETER LU | 11/23/09 |               |
| CALIFORNIA, USA<br>KOWLOON, HONG KONG<br>SINGAPORE |          |                    |      | FILE       | MD-052HRL.DWG |          |          |               |

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