

## PART NO. : HFJ12-1G16ER-L12RL

1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS

COMPLIANT TO IEEE802.3ab STANDARDS

UL/EN60950 RECOGNIZED

RoHS COMPLIANT

COMPATIBLE TO LEAD-FREE WAVE SOLDERING PROCESS  
FOR THROUGH HOLE COMPONENTS

OPERATING TEMPERATURE 0/70°C



Housing Material: Polyester, Black UL94V-0  
Contacts: Phosphor Bronze 30µin Au  
plating over Ni

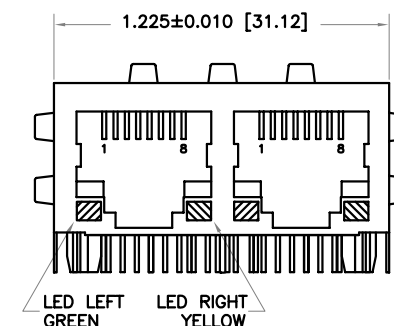
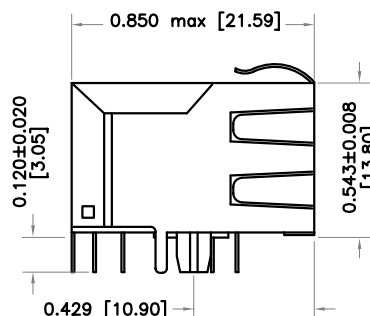
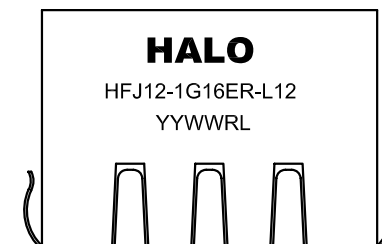
Leads: Matte Sn over Ni

Shield: Cu Alloy with Ni plating 40µin min

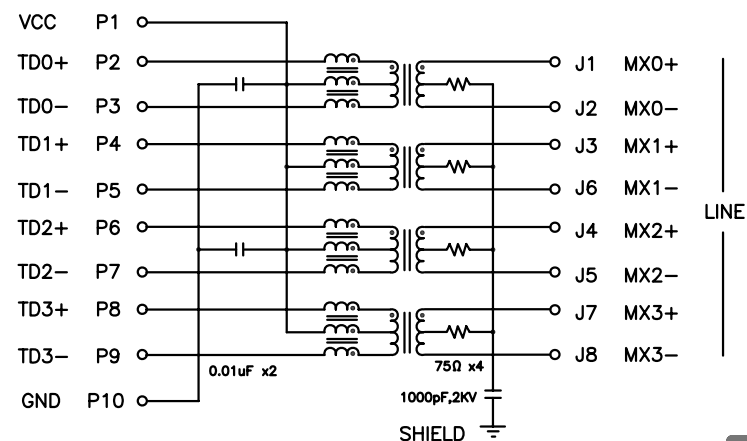
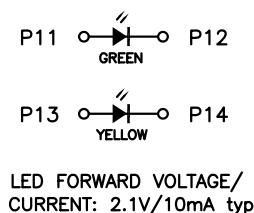
Durability: 1000 mating cycles

Dimensions: Inch [mm]

Tolerances: ±0.008 inch if not specified



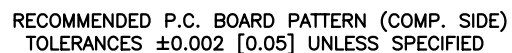
|                            |            |
|----------------------------|------------|
| URNS RATIO                 | 1:1±3%     |
| OCL (100KHz,0.1V,8mA)      | 350µH min  |
| INSERTION LOSS<br>1-100MHz | -1.1dB max |
| RETURN LOSS<br>1-40MHz     | -18dB min  |
| 60MHz                      | -14dB min  |
| 80MHz                      | -12dB min  |
| 100MHz                     | -10dB min  |
| CROSSTALK 1-100MHz         | -35dB typ  |
| CMR 0.1-30MHz              | -38dB typ  |
| 30-60MHz                   | -35dB typ  |
| 60-100MHz                  | -30dB typ  |
| ISOLATION                  | 1,500Vrms  |



# HALO/PBL

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

| TITLE    | FastJack™ 1x2      | SIGNATURES | DATE                  | REV.     | DESC. | DATE          |
|----------|--------------------|------------|-----------------------|----------|-------|---------------|
| FOR      | GIGABIT ETHERNET   | DRAWN      | PETER LU              | 5/25/06  | A     | FIRST ISSUE   |
| PART NO. | HFJ12-1G16ER-L12RL | CHECKED    | LEI KEONG             | 10/22/08 | B     | PROD. RELEASE |
| SCALE    | NONE               | APPROVED   | PETER LU              | 10/22/08 |       |               |
| PAGE     | 1 OF 2             | FILE       | HFJ121G16ER-L12RL.DWG |          |       |               |



|                                                                                                                             |                                 |                    |                                     |  |          |      |               |          |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|-------------------------------------|--|----------|------|---------------|----------|
| <div> <div>HALO/PBL</div> <div> <div>CALIFORNIA, USA</div> <div>KOWLOON, HONG KONG</div> <div>SINGAPORE</div> </div> </div> | TITLE      FastJack™    1x2     |                    | SIGNATURES                          |  | DATE     | REV. | DESC.         | DATE     |
|                                                                                                                             | FOR            GIGABIT ETHERNET |                    | DRAWN       PETER LU                |  | 5/25/06  | A    | FIRST ISSUE   | 5/25/06  |
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|                                                                                                                             | SCALE       NONE                | PAGE        2 OF 2 | APPROVED   PETER LU                 |  | 10/22/08 |      |               |          |
|                                                                                                                             |                                 |                    | FILE          HFJ121G16ER-L12RL.DWG |  |          |      |               |          |