**ELECTRICAL CHARACTERISTICS @ 25°C**

**TURNS RATIO**
- TX: 1C1 : 1C1
- RX: 1C1 : 1C1

**OCL @ 100kHz/100mVRMS**
- 8mA DC BIAS: 350μH MIN.

**INS. LOSS**
- 1MHz TO 100MHz: -10 dB MAX

**RET. LOSS (MIN)**
- 1MHz-30MHz: -18 dB
- 30MHz-60MHz: -18 +20 log (f/30MHz) dB
- 60MHz-80MHz: -12 dB

**CROSS TALK (TX - RX)**
- 500kHz-1MHz: -70 dB MIN
- 10 MHz: -50 dB MIN
- 30 MHz: -40 dB MIN
- 50 MHz: -40 dB MIN
- 100 MHz: -35 dB MIN

**CM TD CM REJ**
- 100kHz-1MHz: -70 dB MIN
- 10 MHz: -47 dB MIN
- 30 MHz: -42 dB MIN
- 60 MHz: -37 dB MIN
- 100 MHz: -30 dB MIN

**CM TD DM REJ**
- 100kHz-1MHz: -70 dB MIN
- 10 MHz: -47 dB MIN
- 30 MHz: -42 dB MIN
- 60 MHz: -37 dB MIN
- 100 MHz: -30 dB MIN

**HIPOT (Isolation Voltage):**
- 1500 Vrms
- 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS

**LED 1**
- VF (FORWARD VOLTAGE): IF=20mA GREEN 2.2V TYP.
- AD (DOMINANT WAVELENGTH): IF=20mA GREEN 565nm TYP.

**LED 2**
- VF (FORWARD VOLTAGE): IF=20mA YELLOW 2.1V TYP.
- AD (DOMINANT WAVELENGTH): IF=20mA YELLOW 590nm TYP.
MECHANICAL SPECIFICATION

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
2. "PATENTED" MARKING.

UL RECOGNIZED - FILE #E196366 AND E169987.

THE PRODUCT IS RoHS COMPLIANT.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.
THE PRODUCT IS PATENTED. THE PATENT NUMBER
IS U.S. PAT. 5,736,910.

ORIGINATED BY DATE TITLE MAGJACK® (4 Cores, MDIX, CM Termination) 08B01DIT06-F 08B01DIT06-F_C.DWG Patented
ANTON LIAO 2012-07-09
HE ZHEN 2012-07-09

SERIES 08B01DIT06-F C.A. 2012-07-09

PART NO. / DRAWING NO.
08B01DIT06-F

FILE NAME
08B01DIT06-F_C.DWG

STANDARD DIM. TOL. IN INCH
X
XX
XXX ±0.010

METRIC DIM. AS REFERENCE
UNIT : INCH [mm] REV. : C
SCALE : N/A SIZE : A4
PAGE : 3

RoHS

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NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.
NOTE:
The distance of panel inside surface relative to front surface of part is only a suggestion. In case this distance is different, the required panel opening dimensions change accordingly.

PACKING INFORMATION
PACKING TRAY: 0200-9999-D4(TOP)
0200-9999-D5(BOTTOM)
PACKING QUANTITY: 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX
NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)