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LED 1 POLARITY			LED 2 POLARITY				
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR		
-	+	YELLOW	+	ı	□RANGE		
			-	+	GREEN		

YELLOW

17

LED 1



ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO TP1 1CT : 1CT ±2% TP2 1CT : 1CT ±2% TP3

1CT : 1CT ±2% TP4 1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS

19mA DC BIAS (-40°C - 85°C) 120 µH MIN.

INS, LOSS

1MHz TΠ 150MHz -0.004(fMHz)-0.4 dB MAX

RET. LOSS

1MHz-40MHz -50 dB MIN

40.1MHz-150MHz $-20+15L\Box G(f/40MHZ)$ dB MIN

CRUSSIAI K

1MHz - 40MHz -35 dB MIN

40.1MHz-150MHz $-35+15L\Box G(f/40MHZ)$ dB MIN

CM TO CM REJ

1MHz - 150MHz -25 dB MIN

HIPOT (Isolation Voltage): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 720 mA MAX, @ 57 VDC CONTINUOUS

1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

LED 1

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

TITLE

DRANGE 2.0V TYP.

570nm TYP. λD (DOMINANT WAVELENGTH) IF=20mA GREEN

DRANGE 605nm TYP.

OPERATING TEMPERATURE: -40°C TD 85°C

PIN RJ45 1CT : 1CT TRD1+ 11 1 TRP1+ TRCT1 12 2 TRP1-TRD1-10 1CT : 1CT TRD2+ 3 TRP2+ TRCT2 6 \leq 6 TRP2-TRD2- 5 1CT : 1CT \Box 4 TRP3+ TRD3+ 3 TRCT3 1 5 TRP3-TRD3- 2 1CT : 1CT 7 TRP4+ TRD4+ 8 •- π TRCT4 7 ◆ 8 TRP4-TRD4-VC12 13 VC36 VC45 15 VC78 16 4X22nF 100V 4X75 DHMS GREEN DRANGE 1000pF 2kV SHIELD LED 2

REV. :

SCHEMATIC

ORIGINATED BY CHOW WANCHUNG **DATE** 2017-02-22 DRAWN BY LINFENG LI DATE 2017-02-22

2.5 Gigabit MagJack® 4PPoE 0826-1X1T-HT-F PATENTED

PART NO. / DRAWING NO. 08261X1THT-F FILE NAME 08261X1THT-F_A,DWG

19

20

STANDARD DIM [] METRIC DIM. TOL. IN INCH AS REF. UNIT : INCH [mm] SCALE: N/A SIZE : A4 PAGE:

2

.XX

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> 0,055±0,020 [1,40±0,51] LED 2 BI-COLOR 0,642 [16,31] GREEN/ORANGE YELLOW 0,536 [13,61] RJ45 1 0.500 [12.70]

NOTES:

ORIGINATED BY

DC002(2)120214

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK,

FLAMMABILITY RATING UL 94V-0

CUNTACTS: 50 MICRO-INCH HARD GOLD PLATING OR FQUIVALENT.

30 MICRO-INCH MIN NICKEL UNDERPLATE,

DUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0,016 AND DIA 0,018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED,

c Rius UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS ROHS COMPLIANT.

[3,68] LEADS 0,125 SIGNAL & 1 0.145 E 0,305 [7,75] 0,260 [6,60] 0.125 [3.17] 0.320 [8.13] 0.600 [15.24] 0.700 [17.78] 0,800 [20,32] 100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED, 3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS. 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.

THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS

1,290 [32,77]

2.5 gigabit MagJack® SANDY LIN **DATE** 2017-02-22 4PPoF DRAWN BY 0826-1X1T-HT-F

TITLE

XUE RIPING PATENTED **DATE** 2017-02-22

PART NO. / DRAWING NO. STANDARD DIM [] METRIC DIM. AS REF. TOL. IN INCH 08261X1THT-F UNIT : INCH [mm] FILE NAME SCALE : N/A .XX 08261X1THT-F A,DWG SIZE : A4 ±0.010

3 REV. : PAGE: a bel group

RoHS

MECHANICAL SPECIFICATION

,020

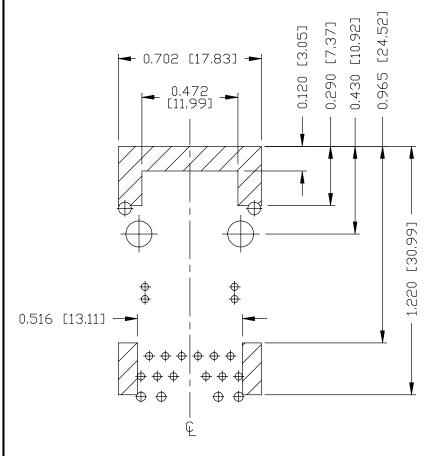
0,055±0,0 [1,40±0,5

U.S. PAT. 7,123,117.

260°C MAX AND 10 SECONDS MAX.

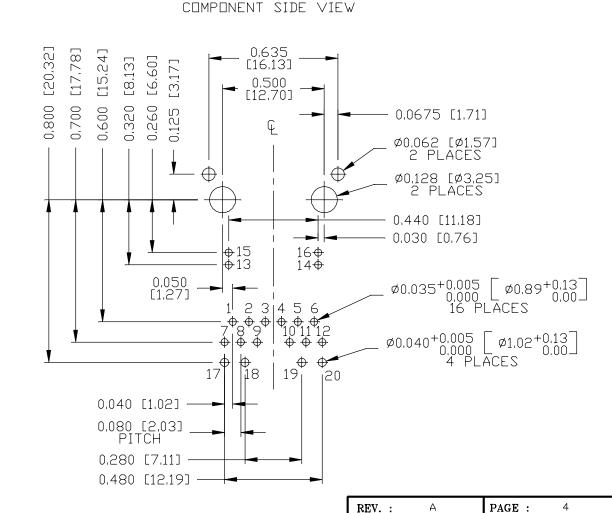
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NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.



RECOMMENDED PCB FOOTPRINT

ORIGINATED BY
SANDY LIN
DATE 2017-02-22

DRAWN BY
XUE RIPING
DATE 2017-02-22

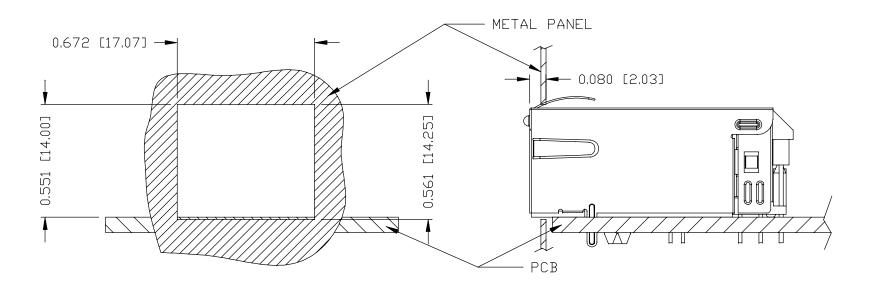
TITLE

2.5 gigabit MagJack®
4PPOE
0826-1X1T-HT-F
PATENTED

be magnetic solutions a bel group

SUGGESTED PANEL DPENING





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-F6 (TOP)

0200-9999-F7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

						R
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.	
SANDY LIN	2.5 gigabit MagJack [®] 4PPoE	08261X1THT-F	TOL. IN INCH		AS REF.	
DATE 2017-02-22			X		UNIT : INCH [mm]	ĺ
DRAWN BY XUE RIPING	0826-1X1T-HT-F PATENTED	FILE NAME	.xx		SCALE : N/A	
DATE 2017-02-22	I HILINILD	08261X1THT-F_A.DWG	.XXX	±0,004	SIZE : A4	
00000(0)400044						

REV. : A PAGE : 5

MAGNETIC SOLUTIONS
a bel group

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

0826-1X1T-HT-F