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LEI	1 POLAR	ITY	LED2 POLARITY			
PIN 7	PIN 7 PIN 8		PIN 9	PIN 10	COLOR	
-	+	YELLOW	+	1	DRANGE	
			-	+	GREEN	

### FLECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TX	1CT + 1
RX	1CT : 1
□CL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INS, LOSS 1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	-1.0 GD MAX
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO 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 TO DM REJ 100kHz-1MHz -70 dB MIN

10 MHz -60 dB MIN 30 MHz -50 dB MIN 60 MHz -45 dB MIN 100 MHz -40 dB MIN HIPOT (Isolation Voltage): 1500 Vrms

7 • LED1	<u>SCHEMATIC</u>	
YELLOW (A)		RJ45
8		
TCT 1 <b>←</b>	1CT : 1	1 TX+
TD+ 2 <b>←</b>		1 17.
TD- 3 ←		2 TX-
RD+ 4 •─	1CT : 1	3 RX+
RD- 5 ←		4 5
RCT 6 ←		6 RX-
9 •		7 8
GREEN (	DRANGE 4X 750HMS \$ \$ \$	
10	DRANGE 4X /5UHMS \$ \$ \$	
LED2	1000pF/2KV	
	SHIELD 7777	J

LED 1 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. LED 2 DRANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. DRANGE 610nm TYP.

	[ ] METRIC DIM. AS	REFERENCE
_	UNIT: INCH [mm]	REV. : A
_	SCALE · N/A	SIZE · A4

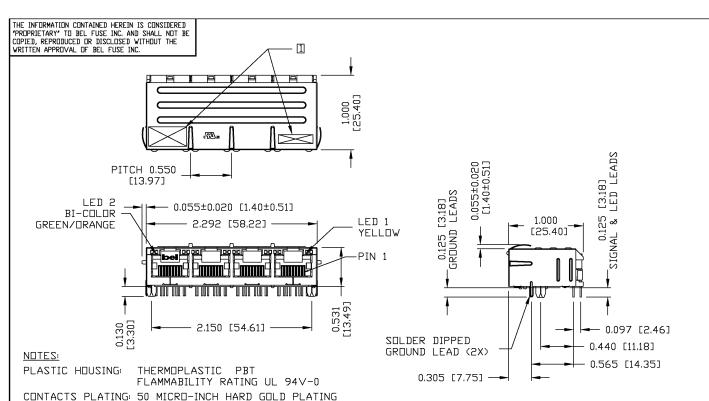
bel COMPONENTS FOR A
COMPONENTS FOR A CONNECTED PLANET

RoHS

ORIGINATED BY DATE CHUNG 07-27-05 DRAWN BY DATE 07-27-05 DE

TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) 0810-1X4T-06-F

PART NO. / DRAWING NO. STANDARD DIM. 08101X4T06-F TOL. IN INCH .X FILE NAME .XX 08101X4T06-FA.DWG PAGE: 2 .xxx



c NUSUL RECOGNIZED - FILE #E196366 AND E169987. ROHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

RoHS

ARE SOLDER DIPPED)

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

TIN-COATED COPPER WIRE, DIA 0.018 INCH.

NICKEL OR TIN PLATED ON COPPER ALLOY.

(ALL NICKEL PLATED GROUND LEADS

PINS:

METAL SHIELD:

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDA	RD DIM.	[ ] METRIC DIM. AS	REFERENCE	l
BILL	07-27-05	1X4 MagJack®	08101X4T06-F	TOL. I	N INCH	UNIT : INCH [mm]	REV. : A	<b>bel</b>
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.xx		SCALE: N/A	SIZE : A4	COMPONENTSFORA
QIAN	07-27-05	0810-1X4T-06-F	08101X4T06-FA.DWG	.XXX	±0.010	⊕	PAGE: 3	PLANET PLANET
DC000(0)00000E	•	This decrees out to	. alastmaniasllw managetad This is a sa	manallad aan	- if mand int	lama allm		

DC002(2)032305 This document is electronically generated. This is a controlled copy if used internally

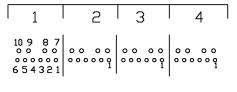
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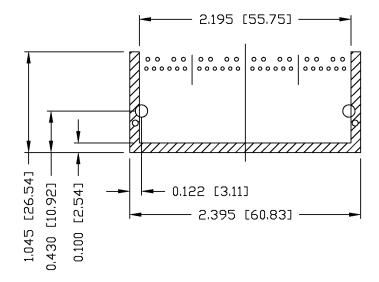
## PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

6	RCT
5	RD-
4	RD+
3	TD-
2	TD+
1	TCT

# PORT AND PIN ASSIGNMENT (COMPONENT SIDE VIEW)







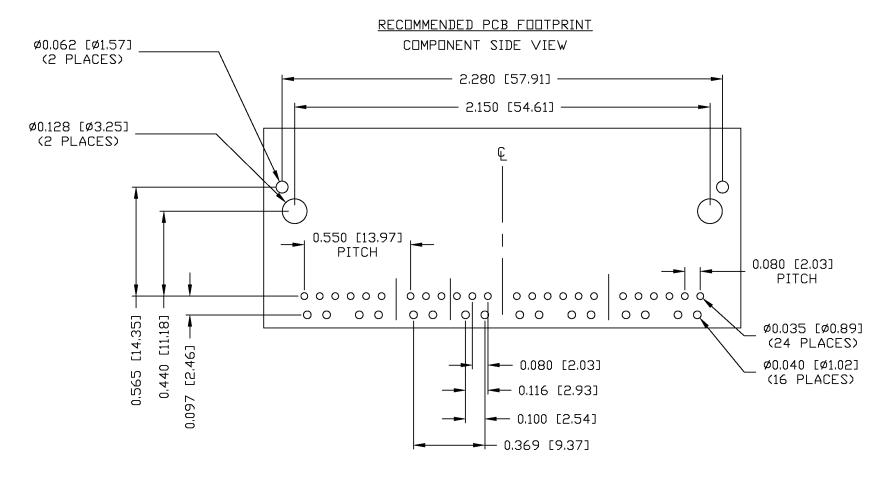
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM. AS	REFERENCE	
BILL	07-27-05		08101X4T06-F	TOL. I	N INCH	UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)		.xx		SCALE: N/A	SIZE: A4	con
QIAN	07-27-05	0810-1X4T-06-F	08101X4T06-FA.DWG	.XXX	±0.010	<b>⊕</b> - <b>------------</b>	PAGE: 4	P
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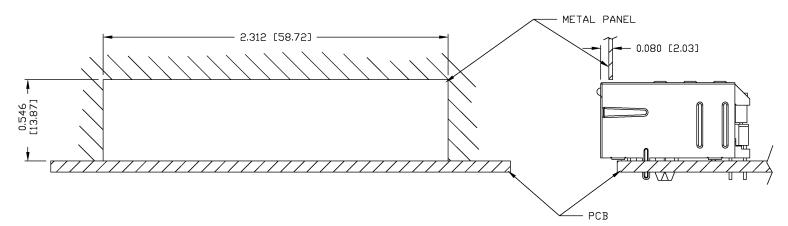
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS	REFERENCE
BILL	07-27-05	1X4 MagJack®	08101X4T06-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination) 0810-1X4T-06-F	FILE NAME	.X .XX	SCALE: N/A	SIZE: A4
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#### SUGGESTED PANEL OPENING



## NOTES:

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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: 0200-0148-17

PACKING QUANTITY: 30 PCS FINISHED GOODS PER TRAY.

10 TRAYS (300 PCS FINISHED GOODS) PER CARTON BOX.

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

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

antantimon nu	D. COTT	mumu Ti	DIDE NO / DRIVENIC NO		T <sub>-</sub> -	
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REFERENCE	l
BILL	07-27-05		08101X4T06-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A	bel
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.х	SCALE : N/A SIZE : A4	COMPONENTSFOR
		0810-1X4T-06-F	08101X4T06-FA.DWG	.XX		CONNECTED PLANET?
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