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LED 1 POLARITY			LED	2 POLA	RITY
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
+	-	YELLOW	+	_	GREEN



ELECTRICAL CHARACTERISTICS @ 25°C							
TURNS RATIO	407 407 101						
TX RX	1CT : 1CT ±3% 1CT : 1CT ±3%						
\\\ □CL @ 100kHz/100mVRMS							
8mA DC BIAS	350µH MIN.						
INS. LOSS							
100KHz T□ 100MHz	-1.1 dB MAX						
RET, LOSS (MIN)							
1MHz-30MHz	-18 dB						
60MHz-80MHz	-12 dB						
CM TO CM REJ	05 13 710						
1MHz-100MHz	-35 dB TYP						
CROSS TALK (TX - RX)							
1MHz-100MHz	-35 dB TYP						
LEAKAGE INDUCTANCE	TED 04 11 14 0 41						
PRIMARY W/ SECONDARY SHO	RIED 0.4uH Max. @ 1N	lHZ					
INTERWINDING CAPACITANCE							
PER CHANNEL (PRI. TO SEC) 30pF TYP @ 1M	HZ					
DC RESISTANCE							
(RJ1-RJ2)=(RJ3-RJ6)	1.8 ohms Max						
PIN4-PIN6	1.1 ohms Max						
PIN1-PIN3 OPERATING TEMPERATURE:		1.1 ohms Max					
	-40 T□ +85 C°						
HIPOT (Isolation Voltage):	1500 Vrms						
LED 1 VF (FORWARD VOLTAGE)	IF=20mA YFIIΠW 2.1\	/ TYP.					
λD (DOMINANT WAVELENGTH)		nm TYP.					
LED 2							
		V TYP.					
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565	inm TYP.					

LED 1	SCHEMATIC (LOWER ROW)		
YELLOW 16 TD+ 1 TCT 2 TD- 3 TD- 3	1CT : 1CT	1	TX+
RD+ 4 ← TCT 5 ← RD- 6 ←	1CT : 1CT	3 4 5 6 7	RX+
17 LED 2 GREEN T	4X 75ohm \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8	
	SHIELD 7777		

ORIGINATED BY CHUNG	DATE 02-14-06	TITLE 2X1 MagJack®	PART NO. / DRAWING NO. 0845-2D1T-S4	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS UNIT : INCH [mm]	1	[]	
DRAWN BY	DATE	(with LED)	FILE NAME	X	SCALE: N/A	SIZE : A4] ,	
DE	02-14-06		08452D1TS4A.DWG	.XXX	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	PAGE: 2		
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LED 3 POLARITY				LED 4 POLARITY					
PIN	19	PIN	20	COLOR	PIN	21	PIN	22	COLOR
+	+ -		YELLOW	+		_		GREEN	



ELECTRICAL CHARACTERISTICS @ 2	<u>25°C</u>
TURNS RATIO TX	1CT + 1CT ±3%
RX	1CT + 1CT ±3%
DCL @ 100kHz/100mVRMS	
8mA DC BIAS INS. LOSS	350µH MIN.
100KHz TO 100MHz	-1.1 dB MAX
RET. LOSS (MIN)	III GD PIAX
1MHz-30MHz	-18 dB
60MHz-80MHz	-12 dB
CM TO CM REJ 1MHz-100MHz	05 (5 7)
CROSS TALK (TX - RX)	-35 dB TYP
1MHz-100MHz	-35 dB TYP
LEAKAGE INDUCTANCE	-35 GB 11F
PRIMARY W/ SECONDARY SHORTE	D 0.4uH Max. @ 1MHz
INTERWINDING CAPACITANCE	
PER CHANNEL (PRI, TO SEC,)	30 _P F TYP @ 1MHz
DC RESISTANCE	
(R. I1-R. I2)=(R. I3-R. I6)	18 ohme Mov

DC RESISTANCE
(RJ1-RJ2)=(RJ3-RJ6)
PIN11-PIN13
PIN8-PIN10

DPERATING TEMPERATURE:

1.8 ohms Max
1.1 ohms Max
1.1 ohms Max
1.2 ohms Max
1.3 ohms Max
1.4 ohms Max
1.5 ohms Max
1.6 ohms Max
1.7 ohms Max
1.8 ohms Max
1

HIPOT (Isolation Voltage):

LED 4 (Super bright)

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565mm TYP.

TITLE

19 LED 3	SCHEMATIC (UPPER ROW)	
SO TANK		
TD+ 8 •	1CT : 1CT	1 TX+
TCT 9 -		
TD- 10 •		2 TX-
RD+ 11 •	1CT : 1CT	3 RX+
TCT 12 ←		4 5
RD- 13 •		6 RX-
		7 8
LED 4	4X 75ohm	
21 · GREEN (文)		
22 - 1	1000pF, 2kV	
GND 14 •─		
	SHIELD 7777	

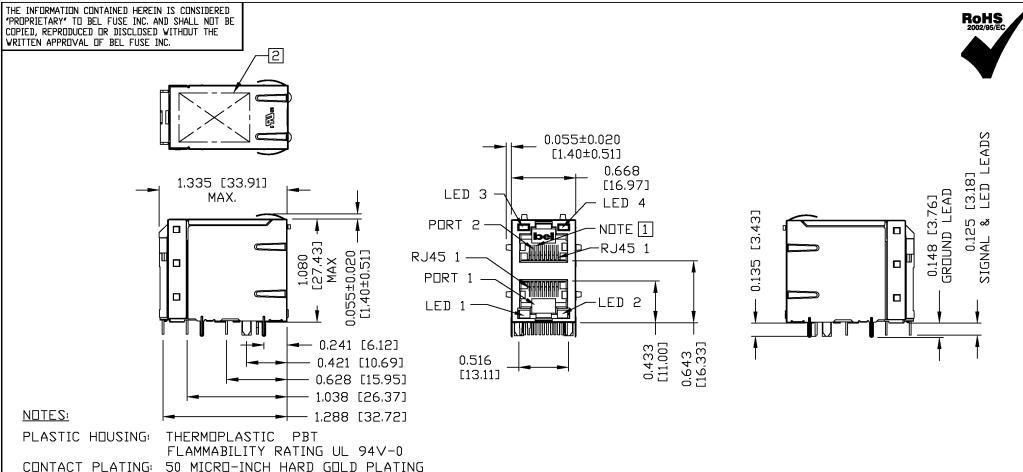
ORIGINATED BY	DATE
CHUNG	02-14-06
DRAWN BY	DATE
DE	02-14-06
DC002(2)032305	

2X1 MagJack® (with LED)

1500 Vrms

PART NO. / DRAWING NO. [] METRIC DIM. AS REFERENCE STANDARD DIM. 0845-2D1T-S4 TOL. IN INCH UNIT: INCH [mm] REV. : X. FILE NAME SCALE: N/A SIZE: A4 .XX 08452D1TS4A.DWG PAGE: 3 XXX.





50 MICRO-INCH HARD GOLD PLATING

DUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

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

ROHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

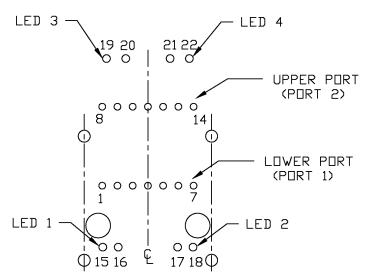
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		·					
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS R	EFERENCE	
BILL/KEUNG	02-14-06	2X1 MagJack®	0845-2D1T-S4	TOL. IN INCH	UNIT : INCH [mm] RI	EV. : A	
DRAWN BY	DATE	_	FILE NAME	.х	SCALE: N/A SI	ZE: A4	COMPO
QIN	02-14-06	(with LED)	004E3D1TS4A DV/C	.xx	SCALE: N/A SI	ZE : A4	COMPO
GIN	02-14-06		08452D1TS4A.DWG	.XXX ±0.010	PA	AGE: 4	PLAN
DC002(2)032305		This document is	s electronically generated. This is a co	ntrolled copy if used in	ternally		

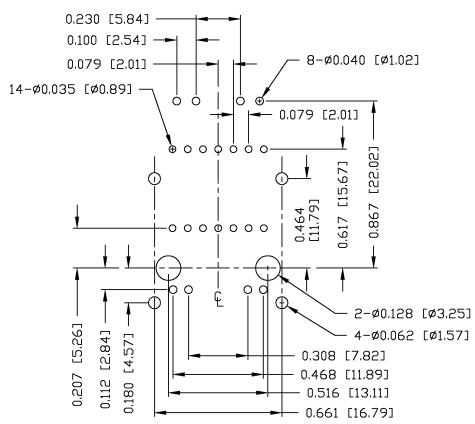
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PIN-DUT INFORMATION
(COMPONENT SIDE VIEW)
(SCALE 2:1)



SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)
(SCALE 2:1)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM. AS	REFERENCE	Γ.
BILL/KEUNG	02-14-06	2X1 MagJack®	0845-2D1T-S4	TOL. 1	IN INCH	UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE	(with LED)	FILE NAME	.x .xx		SCALE: N/A	SIZE : A4	,
QIN	02-14-06		08452D1TS4A.DWG	.XXX	±0.004	—	PAGE: 5	
DC009(9)039305	This document is electronically generated. This is a controlled conv if used internally							

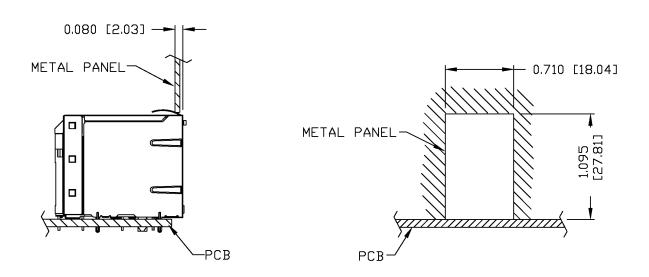
COMPONENTS FOR A CONNECTED PLANET

DC002(2)032305

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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-H5 (TOP)

0200-9999-H6 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

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

(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS	REFERENCE	Γ_
BILL/KEUNG	02-14-06	2X1 MagJack®	0845-2D1T-S4	TOL. IN INCH	UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE	(with LED)	FILE NAME	.X	SCALE: N/A	SIZE : A4	COM
QIN	02-14-06	(WICH LED)	00453017544.0\/C	.XX			PL
Q1N	0L 17 00		08452D1TS4A.DWG	.XXX ±0.004		PAGE: 6	

