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LED 1 POLARITY					LED 2 POLARITY					
PIN	15	PIN	16	COLOR	PIN	17	PIN	18	COLOR	
+ - GREEN		+		-		GREEN				





ELECTRICAL CHARACTERISTICS @ 25°C

TURNS	RATIO												
TX											1CT		
RΧ								1	CT	١	1CT	±	3%

□CL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. L□SS

RET, LOSS (MIN)

1MHz-30MHz -18 dB 60MHz-80MHz -12 dB

CM TO CM REJ

1MHz-100MHz -35 dB TYP

CROSS TALK (TX - RX)

1MHz-100MHz -35 dB TYP

LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY SHORTED 0.4uH Max. @ 1MHz

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.) 30pf TYP @ 1MHz

DC RESISTANCE

 (RJ1-RJ2)=(RJ3-RJ6)
 1.8 ohms Max

 PIN4-PIN6
 1.1 ohms Max

 PIN1-PIN3
 1.1 ohms Max

 OPERATING TEMPERATURE:
 -40 TO +85 C°

HIPOT (Isolation Voltage): 1500 Vrms

LED 1 & LED 2

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

15 LED 1	<u>SCHEMATIC</u> (LOWER ROW)		
TD+ 1 • TCT 2 • TD- 3 •	1CT : 1CT		TX+
RD+ 4 ← TCT 5 ← RD- 6 ←	1CT : 1CT	3 4 5 6 7 8	RX+
17 LED 2 GREEN 7	4X 75ohm \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
GND 7 ←	SHIELD 7777		

ORIGINATED BY CHUNG	DATE 12-27-05	TITLE 2X1 MagJack®	PART NO. / DRAWING NO. 0845-2G1T-S4	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFEREN UNIT: INCH [mm] REV.: P	
DRAWN BY	DATE	(with LED)	FILE NAME	.X .XX	SCALE: N/A	SIZE: A4
DE	12-27-05		08452G1TS4PB.DWG	.XXX		PAGE: 2



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LED	3 POLA	L	ED	4 P	DLA	RITY	
PIN 19	PIN 20	COLOR	PIN	21	PIN	22	COLOR
+ -		GREEN	+		_		GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TX 1CT : 1CT ±3% RX 1CT : 1CT ±3%

DCL @ 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

1MHz-100MHz -35 dB TYP

CROSS TALK (TX - RX)

1MHz-100MHz -35 dB TYP

LEAKAGE INDUCTANCE

PRIMARY W/ SECONDARY SHORTED 0.4uH Max. @ 1MHz

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.) 30pf TYP @ 1MHz

DC RESISTANCE

 (RJ1-RJ2)=(RJ3-RJ6)
 1.8 ohms Max

 PIN11-PIN13
 1.1 ohms Max

 PIN8-PIN10
 1.1 ohms Max

 OPERATING TEMPERATURE:
 -40 TO +85 C°

 HIPOT (Isolation Voltage):
 1500 Vrms

-- -- 12010 11011 1 0110 gc/

LED 3 & LED 4 (SUPER BRIGHT)

VF (FORWARD VOLTAGE)

IF=20mA GREEN 2.2V TYP.

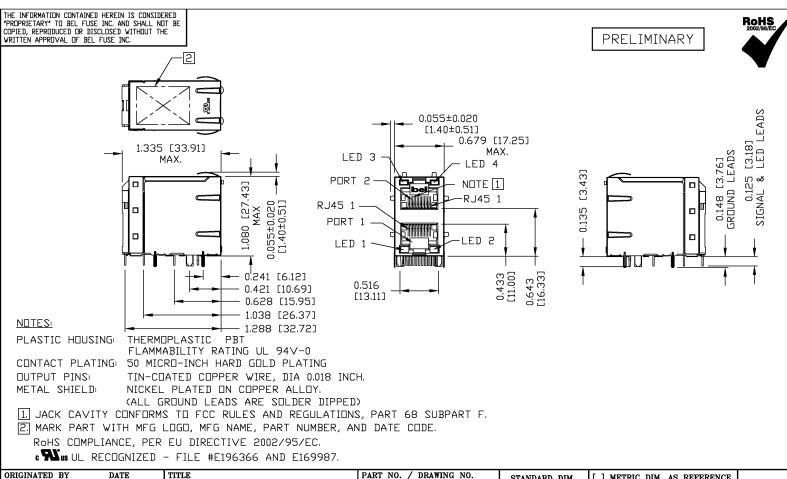
AD (DOMINANT WAVELENGTH)

IF=20mA GREEN 565nm TYP.

LED 3 <u>SCHEMATIC</u> 19 -(UPPER ROW) GREEN 20 -1CT : 1CT TD+ 8 • 1 TX+ TCT 9 • TD- 10 •-2 TX-1CT : 1CT RD+ 11 • 3 RX+ 4 TCT 12 ← 5 RD- 13 •-6 RX-7 8 LED 4 4X 75ohm 21 -GREEN 22 1000pF, 2kV GND 14 • SHIELD 7777

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
CHUNG	12-27-05	2X1 MagJack®	0845-2G1T-S4	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE	(with LED)	FILE NAME	X .xx	SCALE: N/A	SIZE: A4	
DE	12-27-05	WHOIL FEB.	08452G1TS4PB.DWG	.XXX		PAGE: 3	

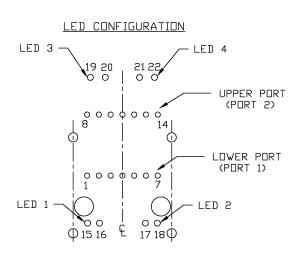




ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM. AS	REFERENCE	l _ _
QIN	12-27-05	2X1 MagJack®	0845-2G1T-S4	TOL. 1	IN INCH	UNIT : INCH [mm]	REV. : PB	bel
DRAWN BY	DATE	9	FILE NAME	.X		SCALE: N/A	SIZE : A4	
TING	12-27-05	(with LED)		.XX		<u> </u>	SIZE : A4	COMPONENTS FOR A CONNECTED PLANET
TING	12-27-03		08452G1TS4PB.DWG	.XXX	±0.010	*	PAGE: 4	PLANE! ()

PRELIMINARY





0,230 [5,84] -0.100 [2.54] -8-Ø0.040 [Ø1.02] 0.079 [2.01] 14-Ø0.035 [Ø0.89] -0.079 [2.01] 000000 [22,02] 0.617 [15.67] 0,867 -0000000 0 2-Ø0.128 [Ø3.25] [5,26] [2,84] 571 - 4-ø0,062 [ø1,57] 0.308 [7.82] 7 0.468 [11.89] 0.207 0.180 0.112 0.516 [13.11] 0.661 [16.79]

PIN-OUT INFORMATION

(COMPONENT SIDE VIEW)

(SCALE 2:1)

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

ORIGINATED BY QIN	DATE 12-27-05	TITLE 2X1 MagJack®	PART NO. / DRAWING NO. 0845-2G1T-S4		ARD DIM. IN INCH	[] METRIC DIM. AS UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE	(with LED)	FILE NAME	- <u>x</u>		SCALE: N/A	SIZE : A4	٦,
TING	12-27-05		08452G1TS4PB.DWG	.XXX	±0.004		PAGE: 5	

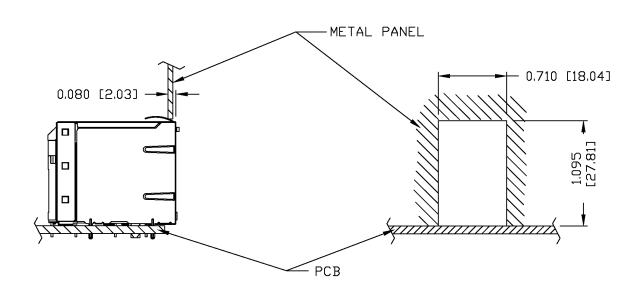


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SUGGESTED PANEL DPENING



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 (BUTTUM)

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.
QIN	12-27-05	2X1 MagJack®	0845-2G1T-S4	TOL. IN INCH	UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE	(with LED)	FILE NAME	.X .xx	SCALE: N/A	SIZE: A4	,
TING	12-27-05		08452G1TS4PB.DWG	.XXX ±0.004		PAGE: 6	

