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LEI	1 POLAR	ITY	LED2 POLARITY		
PIN 27	PIN 28	COLOR	PIN 29	PIN 30	COLOR
-	+	GREEN	+	-	YELLOW
			_	+	GREEN



	- + GRE	.EN		
ELECTRICAL CHARACTERISTICS @ 25°C		LED1	SCHEMATIC E	OR LOWER PORT(PORT1)
TURNS RATIO	167 - 167 +27	27 •	SCUENHIIC F	UN LUWER FURITFURITY
TP1 TP2	1CT : 1CT ±2% 1CT : 1CT ±2%	GREEN (本) 「		
TP3	1CT : 1CT ±2%	28 • — —		
TP4	1CT : 1CT ±2%	TDD4 64	1CT : 1CT	
DCL @ 100kHz,100mVRMS		TRD1- 21 •		
8mA DC BIAS	350 uH MIN.	TRCT1 14 •	3 8	<u></u>
INS, LOSS		IKCII 14	3 5	_ ~~ _ {
100KHz TO 100MHz	-1.1 dB MAX	TRD1+ 15 ◆		
RET, LOSS (MIN)	10 - 17	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1MHz-30MHz	-18 dB	TDDO 46	1CT : 1CT	
30MHz-60MHz	-16 dB	TRD2- 16 ◆		
60MHz-80MHz	-14 dB	TRCT2 22 •	3 8	
80MHz-100MHz	-12 dB	INCIE LE	3 5	
CM TO CM REJ 100kHz - 100MHz	-25 dB TYP	TRD2+ 23 •	```	I <u> </u>
CROSS TALK	LO MD III			
1MHz - 60MHz	-35 dB TYP		1CT : 1CT	L
60MHz - 100MHz	-25 dB TYP	TRD3- 24 •		
HIPOT (Isolation Voltage):	1500 Vrms	TRCT3 17 •	\$ \$	~ <u>~</u>
1	1000 11113	11.010 17	≱llξ i	┌╍┅┐
LEAKAGE INDUCTANCE		TRD3+ 18 ◆		· • • • • • • • • • • • • • • • • • • •
PRIMARY W/ SECONDARY SHORTED	0.3uH Max. @ 1MHz		107 177	
INTERWINDING CAPACITANCE		TDD4 10 -	1CT : 1CT	
PER CHANNEL (PRI. TO SEC.)	50pF Max @ 1MHz	TRD4-19 ◆	7116	
DC RESISTANCE	oup, has a mile	TRCT4 25 •		
(21-15)=(16-23)=(24-18)=(19-26)	1.2 ohms Max		غاالا _ا	┌┅┅┐
(RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8		TRD4+26 •		\
LED 1	r ic urims max			
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.	GND 20 •		
I .	IF=20mA GREEN 565nm TYP.		₹	4X 75 □HMS ≷ ≷ ≷
λD (DOMINANT WAVELENGTH)		29 •		$\{$
LED 2	TE 00 4 SPEEN 0.014 TVD	-· />		- • • •
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.	\ \\\ \\\\	ELLOW	2KVDC 1000pF —
	YELLOW 2.1∨ TYP.	30 • LED2		
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.			———
	YELLOW 590nm TYP.			SHIELD 7777
	12224 070111 1111			0.11222

R	J45		
1CT : 1CT			
		RJ1	TRP1+
		RJ2	TRP1-
101 : 101			
	—	RJ3	TRP2+
	_	R IG	TRP2-
107 107		100	INIL
101:101	_	RJ4	TRP3+
		D 1E	TDD0
		KJJ	TRP3-
1CT : 1CT		RJ7	TRP4+
<u> </u>			
		RJ8	TRP4-
 			
\$ 4X 75 □HMS \$ \$ \$ \$			
L + + L			
2KVDC 1000pF 🕌			
SHIELD 7///			
	1CT : 1CT 1CT : 1CT 1CT : 1CT 4X 75 DHMS YELLOW 2KVDC 1000pF	1CT : 1CT 1CT : 1CT 1CT : 1CT 4X 75 DHMS YELLOW 2KVDC 1000pF	ICT : ICT RJ1 RJ2 ICT : ICT RJ3 RJ4 ICT : ICT RJ7 RJ7 RJ7 AX 75 DHMS YELLOW 2KVDC 1000pF

ORIGINATED B	Y DATE	TITLE
CHUNG	12-14-05	
DRAWN BY	DATE	
DE	12-14-05	

2X1 gigabit MagJack® (with LED)

PART NO. / DRAWING NO. 0845-2R1T-E4 .X FILE NAME .XX 08452R1TE4D.DWG

[] METRIC DIM. AS REFERENCE STANDARD DIM. TOL. IN INCH UNIT : INCH [mm] REV. : SCALE: N/A SIZE: A4 PAGE: 2



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	3 POLAR			4 POLAR	
PIN 31	PIN 32	COLOR	PIN 33	PIN 34	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN

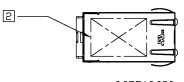
	- + GRE	EN	
ELECTRICAL CHARACTERISTICS @ 25°C		LED3	SCHEMATIC FOR UPPER PORT(PORT2)
TURNS RATIO TP1	1CT : 1CT ±2%	31	
TP2	1CT : 1CT ±2%	GREEN (本)	RJ45
TP3	1CT : 1CT ±2%	32 • — — — —	
TP4	1CT : 1CT ±2%		1CT : 1CT
□CL @ 100kHz,100m∨RMS		TRD1- 13 •	RJ1 TRP1+
8mA DC BIAS	350 uH MIN.	TDCT1 7	3 E E
INS. LOSS		TRCT1 7 €	
100KHz T□ 100MHz	-1.1 dB MAX	TRD1+ 6 •	RJ2 TRP1-
RET, LOSS (MIN)	10 17	יועאוי ס	The second secon
1MHz-30MHz	-18 dB		1CT + 1CT
30MHz-60MHz	-16 dB	TRD2- 5 •──	RJ3 TRP2+
60MHz-80MHz	-14 dB		7116
80MHz-100MHz	-12 dB	TRCT2 12 •	
CM TO CM REJ			
100kHz - 100MHz	-25 dB TYP	TRD2+ 11 •	─────────────────────────────────────
CROSS TALK			1CT + 1CT
1MHz - 60MHz	-35 dB TYP	TRD3- 10 •	RJ4 TRP3+
60MHz - 100MHz	-25 dB TYP	11120 10	
HIPOT (Isolation Voltage):	1500 Vrms	TRCT3 4 ◆	
LEAKAGE INDUCTANCE			
PRIMARY W/ SECONDARY SHORTED	0.3uH Max. @ 1MHz	TRD3+ 3 •	
INTERWINDING CAPACITANCE			1CT : 1CT
PER CHANNEL (PRI, TO SEC.)	50pF Max @ 1MHz	TRD4- 2 • →	RJ7 TRP4+
	oopi hax e miz		١١١٤ - ا ا ا ا
DC RESISTANCE		TRCT4 9 •	
(13-6)=(5-11)=(10-3)=(2-8)	1.2 ohms Max	TDD4 . 0 .	
(RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8	1,2 ohms Max	TRD4+ 8 •	─────────────────────────────────────
LED 3 (Super bright)		GND 1	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.	י עאוט די עאוט	± 4x 75 □HMS ≷ ≷ ≷ ≷
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.	LED4	+
	II LOTHI GREEN SOOTHI TITT	33 •——) []]
LED 4 (Super bright)			(5) 1.5) (
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.		YELLOW 2KVDC 1000pF
λD (DOMINANT WAVELENGTH)	YELLOW 2.1V TYP.	34 • • •	T I
	IF=20mA GREEN 565nm TYP.		

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS	S REFERENCE	П
CHUNG	12-14-05	2X1 gigabit MagJack®	0845-2R1T-E4	TOL. IN INCH	UNIT : INCH [mm]	REV. : D	1
DRAWN BY	DATE	(with LED)	FILE NAME	.xx	SCALE : N/A	SIZE : A4	٦ "
DE	12-14-05		08452R1TE4D.DWG	.XXX	—	PAGE: 3	<u>l</u> '
DE DECORAÇÃO DE COMO D	12-14-03	<u> </u>	OO-SERTICADID WG		\blacksquare	PAGE :	3

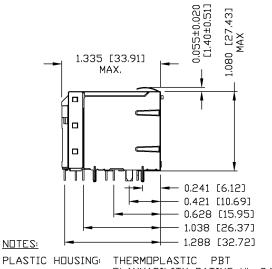
YELLOW 590nm TYP.

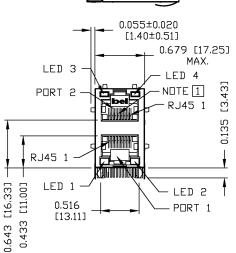
SHIELD 7///

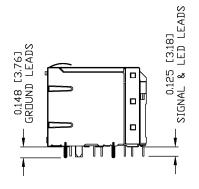
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PLASTIC HOUSING:

FLAMMABILITY RATING UL 94V-0 50 MICRO-INCH HARD GOLD PLATING CONTACT PLATING:

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

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

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

c Mus UL RECOGNIZED - FILE #E196366 AND E169987.

TITLE

ORIGINATED BY	DATE
BILL\KEUNG	12-14-05
DRAWN BY	DATE

2X1 gigabit MagJack® (with LED)

PART NO. / DRAWING NO. METRIC DIM. AS REFERENCE STANDARD DIM. 0845-2R1T-E4 TOL. IN INCH UNIT : INCH [mm] REV. : X. FILE NAME SCALE : N/A .XX 08452R1TE4D.DWG .xxx ±0.010



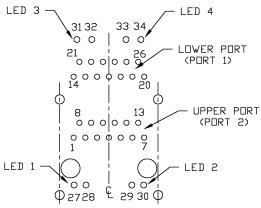
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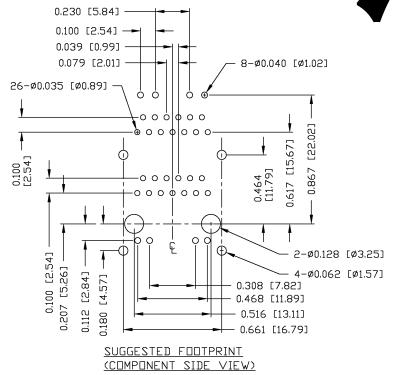


LED CONFIGURATION



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

TITLE



2000E21ED		KINI
(COMPONENT	SIDE	VIEW)
(SCAL	E 2:1)	

.XXX

ORIGINATED BY	DATE
BILL\KEUNG	12-14-05
DDAWN DV	D 4 mm
DRAWN BY	DATE

2X1 gigabit MagJack® (with LED)

PART NO. / DRAWING NO.					
0845-2R1T-E4					
FILE NAME					
08452R1TE4D.DWG					

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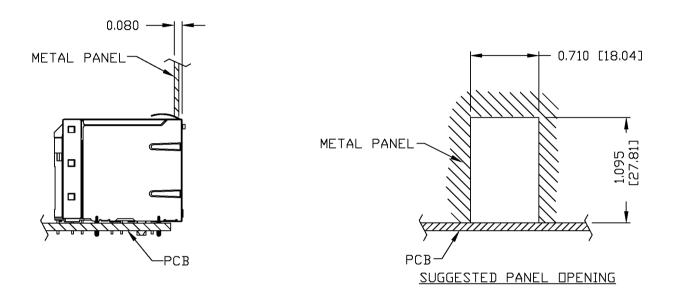
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UNIT : INCH [mm]	REV. :	D
SCALE: N/A	SIZE :	A4
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NOTE:

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 GDDDS 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
BILL\KEUNG	12-14-05	2X1 gigabit MagJack®	0845-2R1T-E4	TOL. IN INCH	UNIT : INCH [mm] F	REV.: D
DRAWN BY	DATE	(with LED)	FILE NAME	X .XX	SCALE: N/A S	SIZE: A4
QIN	12-14-05		08452R1TE4D.DWG	.XXX ±0.004		PAGE: 6



Mouser Electronics

Authorized Distributor

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

Bel:

0845-2R1T-E4