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LEDI PDLARITY LED2 PDLARITY PIN 13 PIN 14 COLOR PIN 15 PIN 16 COLOR PIN 16	COPIED, REPRODUCED OR DISCLOSED WITHOUT THE VRITTEN APPROVAL OF BEL FUSE INC.		
PIN 13 PIN 14 CDLDR PIN 15 PIN 16 CDLDR PIN 17 PIN 16 CDLDR PIN 18 PIN 18 CDLDR PIN 19 PIN 19 CDLDR PIN 19	I FD1 PDI ARTTY	I FD2 PDLARITY	<u>SCHEMATIC</u>
- + GREEN + - YELLOW ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO TP1 1CT : 1CT ±2% TRD1+ 11 TP2 1CT : 1CT ±2% TRD1+ 10 TP3 1CT : 1CT ±2% TRD1- 10 TP4 GCL @ 100kHz/100mVRMS 3ma DC BIAS 350µH MIN. TRD2+ 4 INS. LGSS 0.1MHz TO 1MHz -0.8 dB MAX 100MHz TO 100MHz -0.8 dB MAX 100MHz TO 125MHz -1.2 dB MAX TRD2+ 5 TRD3+ 3 TRD	 		13 • LED1
ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATID TP1 ICT : ICT ±2% TRD1+ 11 TP2 ICT : ICT ±2% TP3 ICT : ICT ±2% TP4 ICT : ICT ±2% TRD1- 10 ICT : ICT ±2% TRD2+ 4 ICT : ICT 1CT ICT : ICT ±2% ICT : ICT 1CT ICT : ICT 1CT ICT : ICT 1CT ICT : ICT ICT ICT : ICT			
ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIU TP1 TP1 1CT : 1CT ±2% TRCT1 12 TP2 TP3 1CT : 1CT ±2% TRD1- 10 TRD1+ 11 TRCT1 12 TRD1- 10 TRCT1 12 TRD1- 10 TRD1+ 11 TRD1+ 12 TRD1- 10 TRD1+ 11 TRD1+ 11 TRD1+ 12 TRD1- 10 TRD1+ 11 TRD1+ 12 TRD1- 10 TRD1+ 11 TRD1+ 12 TRD1- 10 TRD1+ 11 TRD1- 10 TRD1+ 11 TRD1+ 12 TRD1- 10 TRD1+ 12 TRD1- 10 TRD1+ 12 TRD1- 10 TRD2+ 4 TRD2- 5 TRD2- 5 TRD2- 5 TRD3- 5 TRD3- 3 TRCT3 1 TRD3+ 3 TRCT3 1 TRD4+ 8 TRCT3 1 TRD4+ 8 TRCT4 7 TRD4+ 9 TRCT4 7 TRD4+ 8 TRCT4 7 TRD4+ 9 TRCT4 7 TRD4- 9 TRCT4 7 TRCT5 TRCT6 TRCT7 TRCT7 TRCT7 TRCT7 TRCT7 TRCT7 TRCT7 TRCT8 TRCT7 TRCT7 TRCT7 TRCT8 TRCT7 TRCT8 TRCT7 TRCT7 TRCT7 TRCT8 TRCT7 TRCT7 TRCT7 TRCT8 TRCT7 TRCT	T GREEN		GREEN (分) RJ45
TURNS RATIO TP1 TP2 TP3 TP4 TCT : ICT ±2% TP5 TP7 TP8 TCT : ICT ±2% TP8 TCT : ICT ±2% TP9 TCT : ICT ±2% TP9 TCT : ICT ±2% TP9 TCT : ICT ±2% TCD : ICT : ICT ±2% TCD : ICT : ICT ±2% TCD : ICT : ICT TCT TCT TCT TCT TCT TCT TCT TCT TCT T			14
TURNS RATIO TP1 TP2 TP2 TP3 1CT : 1CT ±2% TP3 TP4 CLC @ 100kHz/100mVRMS SmA DC BIAS SmA DC BIAS SMAD DC BIAS TRD2+ 4 TRD2+ 4 TRD2+ 4 TRD2+ 4 TRD2+ 5 TRD2+ 4 TRD2+ 5 TRD2+ 4 TRD2+ 5 TRD3+ 3 TRC73 1 TRC74 7 TRD4+ 8 TRC73 1 TRC74 7 TRD4+ 8 TRC74 7 TRD4+ 8 TRC74 7 TRD4+ 9 TRC75 TRD4- 9 TRC76 TRD4- 9	ELECTRICAL CHARACTERI	STICS @ 25°C	TRD1+ 11 - 1CT : 1CT - 1 TRP1+
TP2 TP3 TP4 ICT : ICT ±2% TP3 ICT : ICT ±2% TP4 ICT : ICT ±2% TRD1- 10 ICT : ICT ±2% INS. LDSS O.IMHz TD IMHz O.IMHz TD IMHz INS. LDSS O.IMHz TD 100MHz O.S dB MAX IMHz TD 100MHz O.S dB MAX IOMHz TD 125MHz O.S dB MAX TRD2- 5 ICT : ICT TRD2+ 4 ICT : ICT TRD2+ 5 ICT : ICT TRD3+ 3 ICT : ICT TRD4+ 8 ICT : I	TURNS RATIO		
TP3	TP1	1CT : 1CT ±2%	
TP4 DCL @ 100kHz/100mVRMS			
DCL @ 100kHz/100mVRMS		, , ,	
8mA DC BIAS INS. LOSS O.IMHZ TO 1MHZ 1MHZ TO 65MHZ 65MHZ TO 100MHZ 100MHZ TO 125MHZ 100MHZ 100MHZ TO 125MHZ 100MHZ 10CT 1CT		101 : 101 ±2%	1CT : 1CT
INS. LOSS 0.1MHz TO 1MHz 1		350µH MIN.	
1.1 dB MAX			TDCT2 4
65MHz TD 100MHz	0.1MHz TO 1MHz	-1.1 dB MAX	3 \{\bar{\epsilon}\} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
100MHz TD 125MHz	1MHz TO 65MHz	-0.5 dB MAX	TRD2- 5 • 6 TRP2-
100MHz TD 125MHz	65MHz TO 100MHz		107 107
RET. LOSS (MIN) 0.5MHz-40MHz 40MHz-100MHz -18 dB 40MHz-100MHz -12+20LOG(f/80MHz) dB TRD3- 2 CM TO CM REJ 100kHz - 100MHz -30 dB MIN TRD4+ 8 CM TO DM REJ 100kHz - 100MHz -35 dB MIN HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC TRD4- 9 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16			TRD3+ 3 • 101 : 101 4 TRP3+
0.5MHz-40MHz			
40MHz-100MHz		_10 AD	TRCT3 1 • +
CM TO CM REJ 100kHz - 100MHz -30 dB MIN TRD4+ 8 TRCT4 7 100kHz - 100MHz 100kHz - 100MHz 100kHz - 100MHz 100kHz - 100MHz 1500 Vrms or 2250VDC TRD4- 9 VF (FORWARD VOLTAGE) ND (DOMINANT WAVELENGTH) F=20mA GREEN 2.2V TYP. ND (DOMINANT WAVELENGTH) F=20mA GREEN 565nm TYP. GREEN VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16			
100kHz - 100MHz - 30 dB MIN CM TD DM REJ 100kHz - 100MHz - 35 dB MIN HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC LED 1 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP, AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP, LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP, 16 100kHz - 100MHz TRD4+ 8 TRCT4 7 TRD4- 9 YELLOW 4X 750hm 4X 750hm		TIETEULLUCT / OUMINZ / UD	
TRD4+ 8 CM TD DM REJ 100kHz - 100MHz -35 dB MIN HIPDT (Isolation Voltage): 1500 Vrms or 2250VDC LED 1 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16 TRD4+ 8 TRCT4 7 TRD4+ 8 TRCT4 7 TRD4- 9 4X 750hm 4X 750hm			1CT : 1CT
100kHz - 100MHz - 35 dB MIN HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC LED 1 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16 100kHz - 100MHz TRCT4 7 TRD4- 9 TRD4- 9 4X 750hm \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		-30 qB MIN	TRD4+ 8 • - 7 TRP4+
HIPOT (Isolation Voltage): LED 1 VF (FORWARD VOLTAGE) AD (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP. LED 2 VF (FORWARD VOLTAGE) VF (FORWARD VOLTAGE) IF=20mA GREEN 565nm TYP. GREEN TRD4- 9 4X 750hm AX 750hm		05 15 1451	TPCT4 7
LED 1 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP, λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP, LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP, 15 • YELLOW 4X 750hm \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			3 }@^^^_
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. 15 ΔΩ (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. GREEN VELLOW 4X 750hm S S S S S S S S S S S S S S S S S S S	_	2); 1500 Vrms or 2250VDC	TRD4- 9 • 8 TRP4-
VF (FORWARD VOLTAGE) λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP, LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 565nm TYP, GREEN YELLOW 4X 75ohm \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$. 15 • [[[[]
LED 2 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16			
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. 16 •		INGIA) IF = ZUMA GREEN 363NM I I	TP, GREEN (本字)、 YELLOW
1000 F 011/ 		Ε) ΙΕ=20ωΔ ΥΕΙΙΠ\/ 21\/ ΤΥΡ	16 •
IICOLUD CIVETIA C'E A '	AI ZICHAMUKTA ACICIUA		1000 10
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.	AD CHEMINANT MANCE		
IF=20mA GREEN 565nm TYP,	VD (DOMINAIN) MAVEL		
ORIGINATED BY DATE TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. AS REFERENCE		_	STANDARD DIM. [] METING DIM. NO METEROD
CHUNG 08-18-06 gigabit MagJack® 08261K1T23-F TOL. IN INCH [mm] REV. : B	CHUNG 08-18-06		08261K1T23-F TOL. IN INCH UNIT: INCH [mm] REV.: B
DRAWN BY DATE (12 cores, Tab Up) FILE NAME SCALE: N/A SIZE: A4 CORESTON	DRAWN BY DATE	(12 cores, Tab Up) 🛐	ILE NAME SCALE: N/A SIZE: A4 COMPONENTS OF A
DE 08-18-06 0826-1K1T-23-F 08261K1T23-FB,DWG XXX SCAM: N/A SIZE: AT COMMESTED N/A SIZE: AT	DE 08-18-06	0826-1K1T-23-F	08261K1T23-FRDVG -AAA

.XXX

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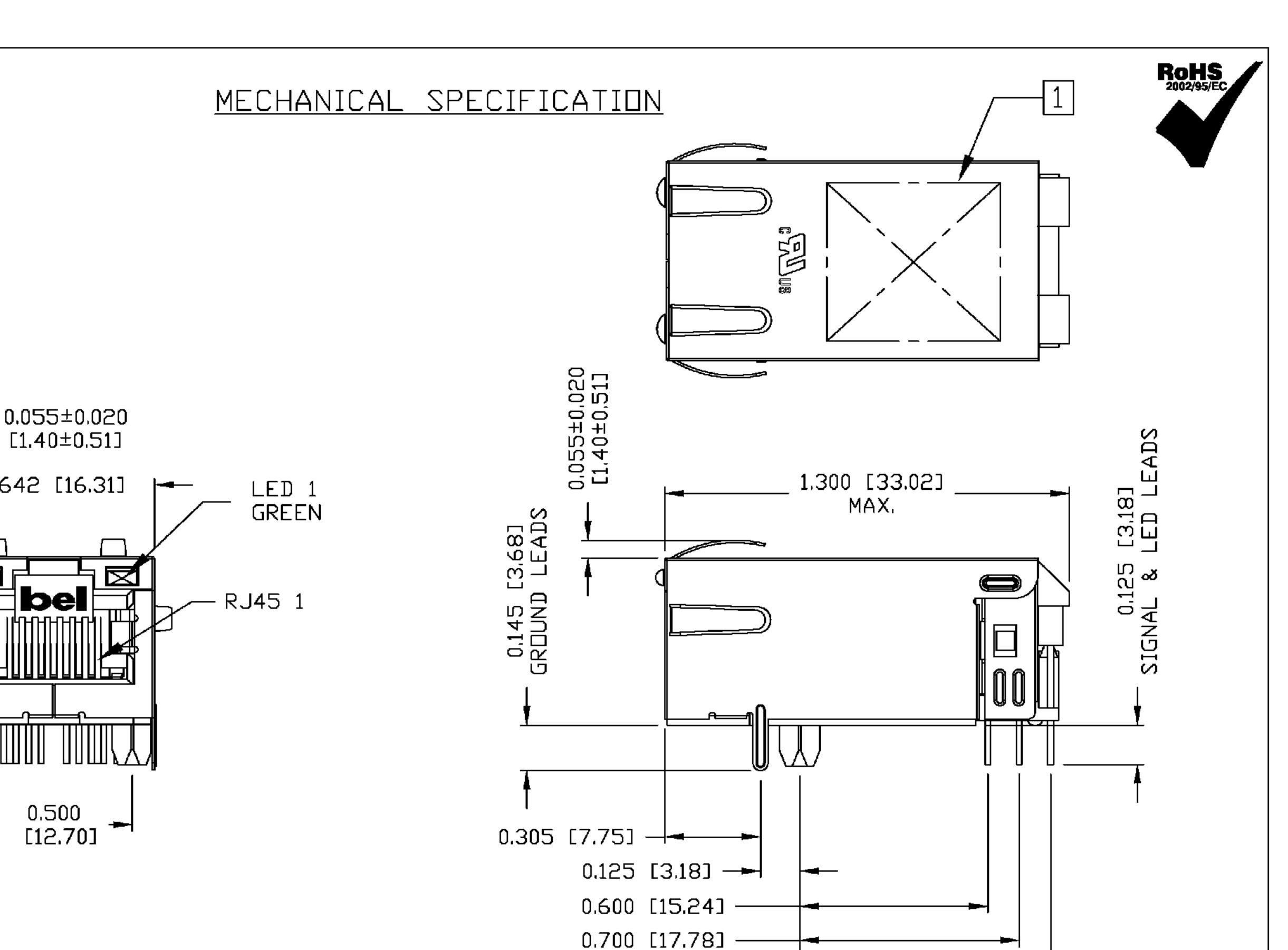
TED 5

BI-COLOR

0,130 [3,30]

0,536 [13,61]

GREEN/YELLOW



ORIGINATED BY	DATE
QIN	08-18-06
DRAWN BY	DATE
TING	08-18-06

gigabit MagJack® (12 cores, Tab Up) 0826-1K1T-23-F

[1.40±0.51]

0.642 [16.31]

0.500

TITLE

PART NO. / DRAWING NO. 08261K1T23-F FILE NAME 08261K1T23-FB.DWG

STANDARD DIM. TOL. IN INCH .XX

±0.010

0.800 [20.32]

XXX.

METRIC DIM. AS REFERENCE

UNIT: INCH [mm] REV.: N/A SIZE: A4 SCALE: PAGE: 3



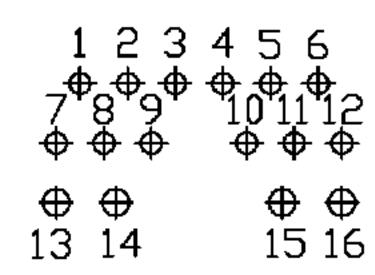
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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



PINS ASSIGNMENT





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 4/6

FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

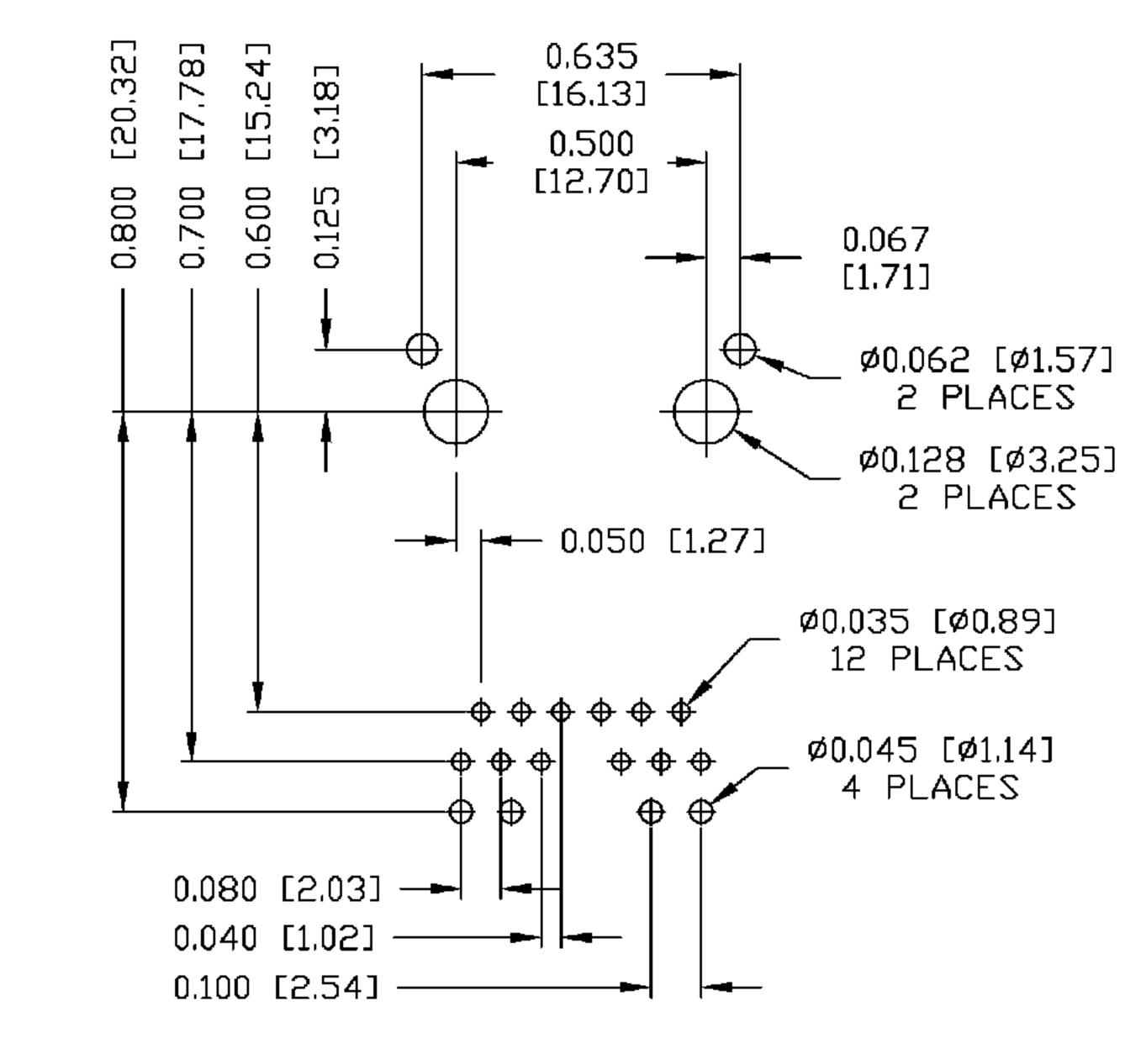
1. MARK PART WITH MFG LOGO, MFG NAME. PART NUMBER, AND DATE CODE.

c **Tu**s UL RECOGNIZED - FILE #E196366 AND E169987.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

TITLE

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



ORIGINATED BY	DATE
QIN	08-18-06
DRAWN BY	DATE

gigabit MagJack® (12 cores, Tab Up) 0826-1K1T-23-F

STAN TOL.	PART NO. / DRAWING NO. 08261K1T23-F
X.	FILE NAME
.XX	
.XXX	08261K1T23-FB.DWG

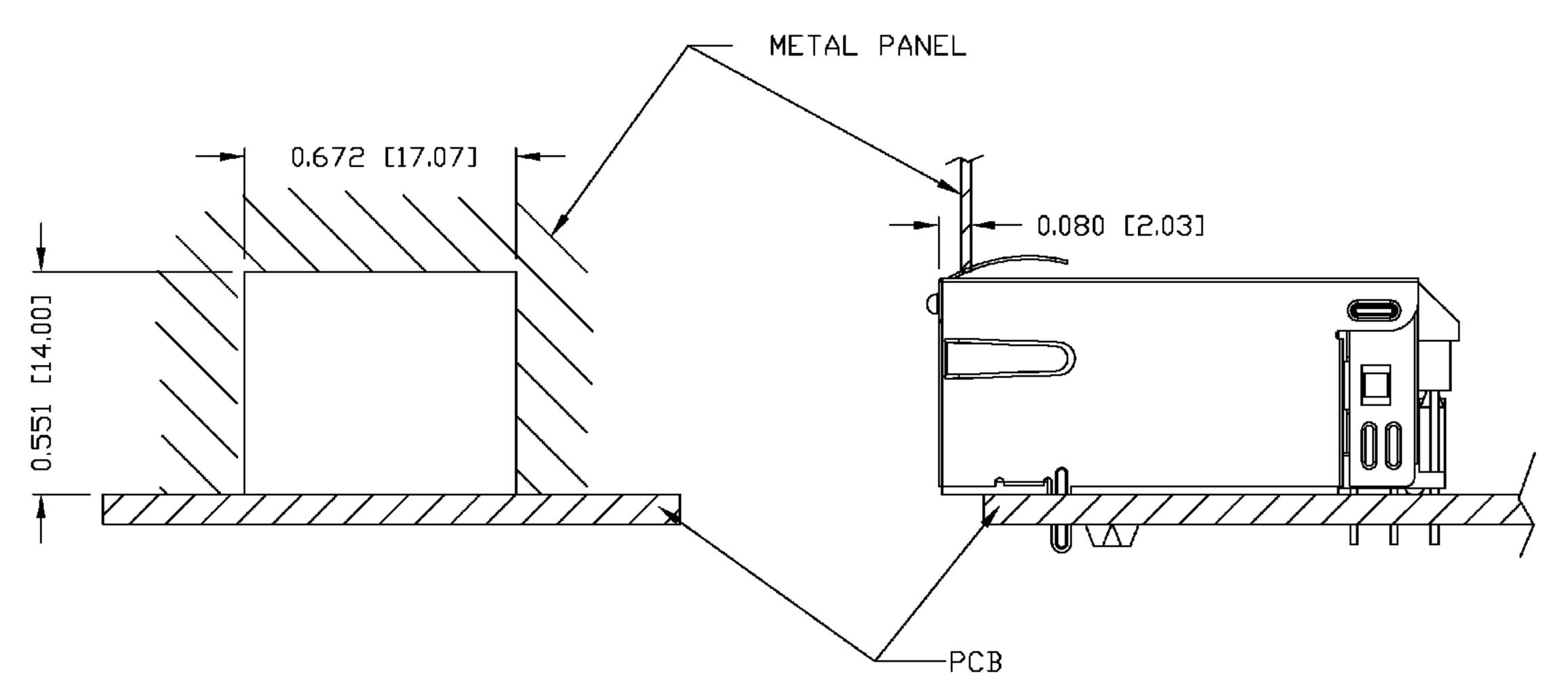
STANDA	RD DIM.	[] METRIC DIM. AS	REFERE	NCE
TOL. IN INCH		UNIT : INCH [mm]	REV. :	В
.Х				
.XX		SCALE: N/A	SIZE :	A4
.XXX	±0.004		PAGE:	4



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SUGGESTED PANEL DPENING





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

NOTE:

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)

ORIGINATED BY QIN	DATE 08-18-06	TITLE gigabit MagJack®	PART NO. / DRAWING NO. 08261K1T23-F		ARD DIM. IN INCH	[] METRIC DIM. AS UNIT: INCH [mm]	
DRAWN BY	DATE	(12 cores, Tab Up)	FILE NAME	.XX		SCALE: N/A	SIZE : A4
TING	08-18-06	0826-1K1T-23-F	08261K1T23-FB.DWG	.XXX	±0.004		PAGE: 5



Mouser Electronics

Authorized Distributor

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

Bel:

0826-1K1T-23-F