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LED1 POLARITY			LED2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
-	+	YELLOW	-	+	GREEN
			+	-	ORANGE

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$

OCL @ 100kHz, 20mVRMS AND 24mA DC BIAS FROM 0°C TO 70°C = 350uH MIN:
PAIRS (1-2) AND (3-6).

INS. LOSS

0.1MHz TO 1MHz	-0.8 dB MAX
1MHz TO 65MHz	-0.6 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.7 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK

100kHz - 1MHz	-60 dB MIN.
1MHz - 100MHz	-30 dB MIN.

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-25 dB MIN
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DCR PINS CABLE SIDE (1-2) AND (3-6): 1.0 OHMS MAX.

HIPOT (Isolation Voltage): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

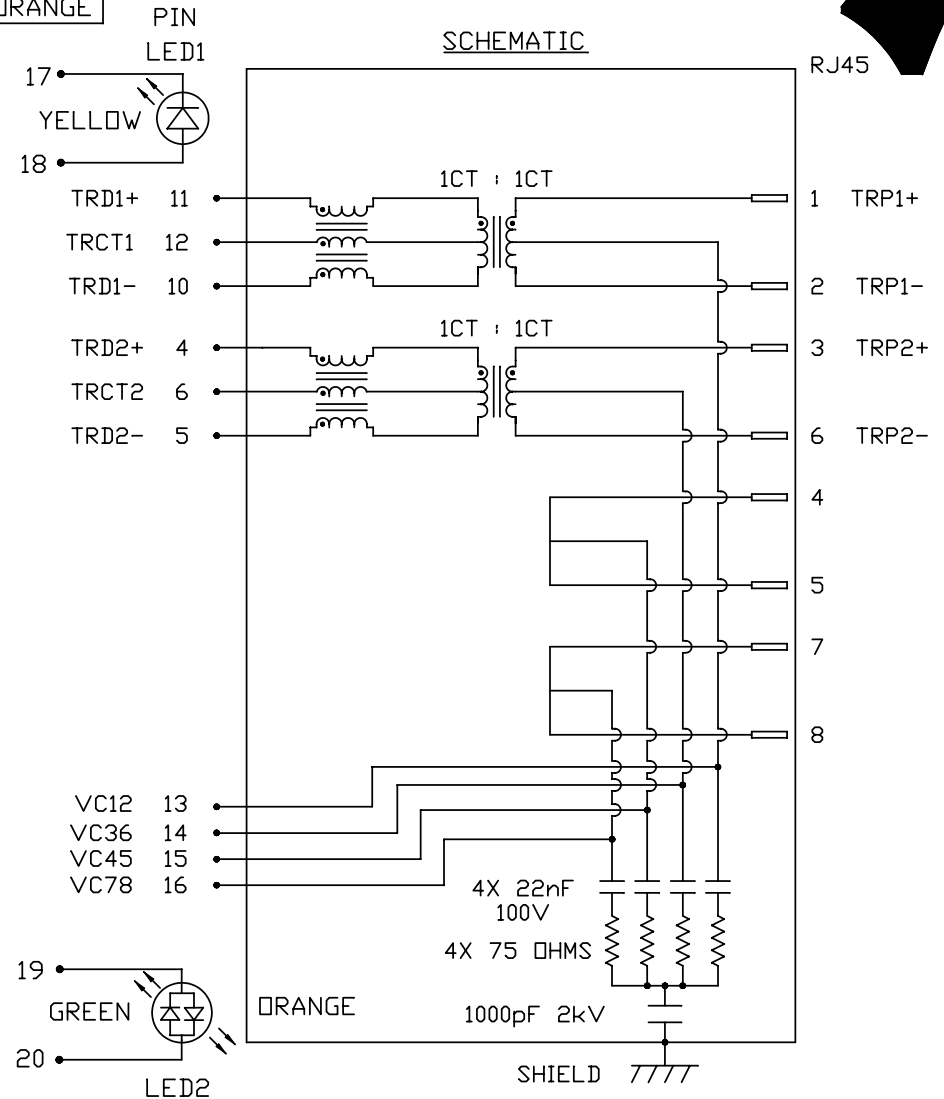
BALANCED DC LINE CURRENT 700 mA MAX. @ 57 VDC CONTINUOUS
1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS

LED 1

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

LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
ORANGE 2.0V TYP.
AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
ORANGE 610nm TYP.



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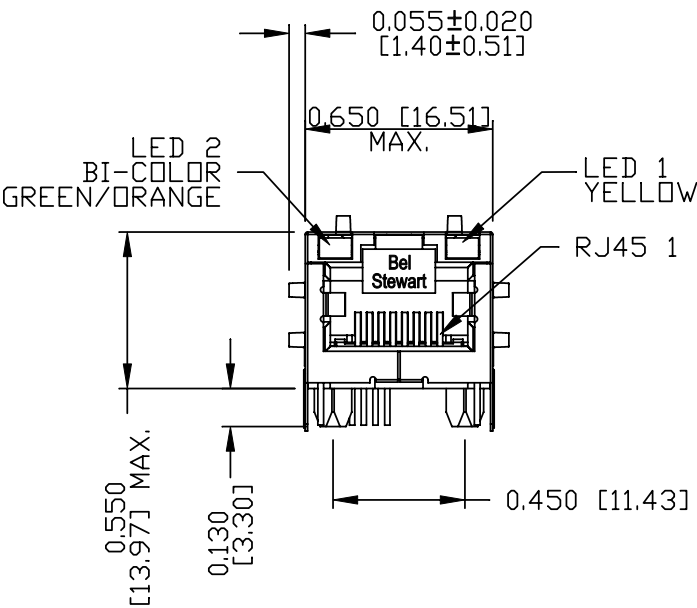


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-08-14	10/100 MagJack®	0838-1X1T-W6	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	with PoEp	FILE NAME	.X	REV. : B
TAN QIGUANG	2012-08-14	PATENTED	0838-1X1T-W6_B.DWG	.XX	SCALE : N/A
				.XXX	SIZE : A4
					PAGE : 2



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MECHANICAL SPECIFICATION

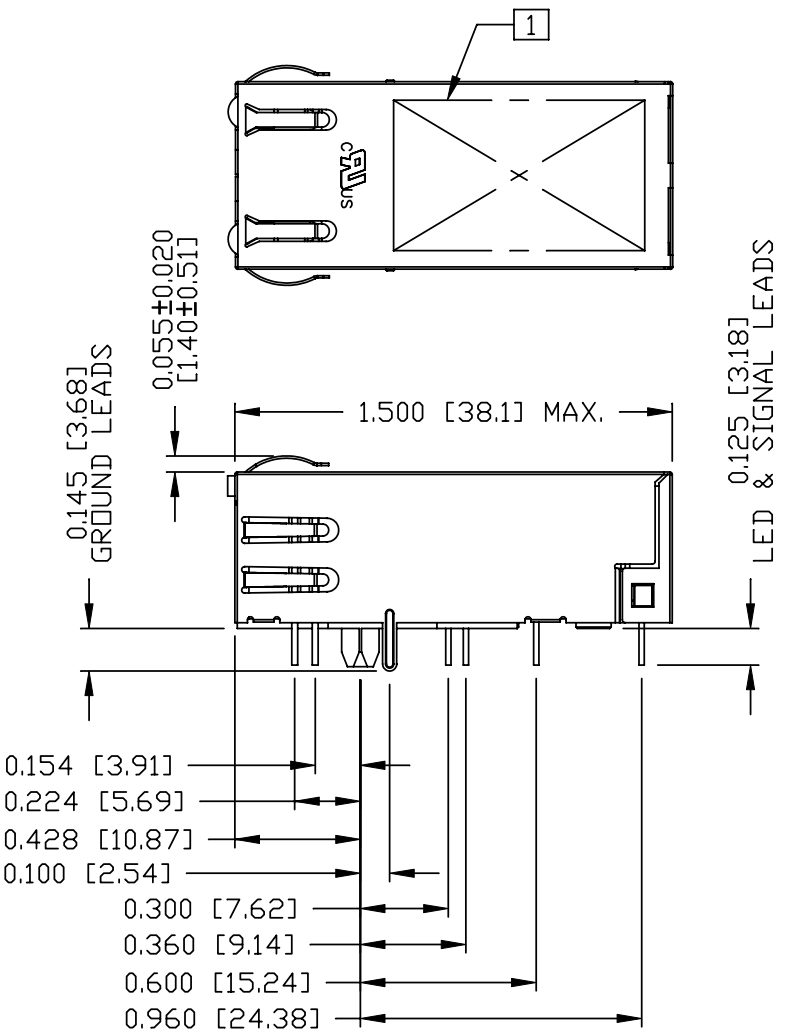


NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT.
FLAMMABILITY RATING UL 94V-0.
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
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, DATE CODE AND PATENTED.

c  US UL RECOGNIZED - FILE #E196366 AND E169987.



2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-08-14	10/100 MagJack®	0838-1X1T-W6	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	with PoEp	FILE NAME	.X	SCALE : N/A SIZE : A4
HE ZHEN	2012-08-14	PATENTED	0838-1X1T-W6_B.DWG	.XX	PAGE : 3
				.XXX	

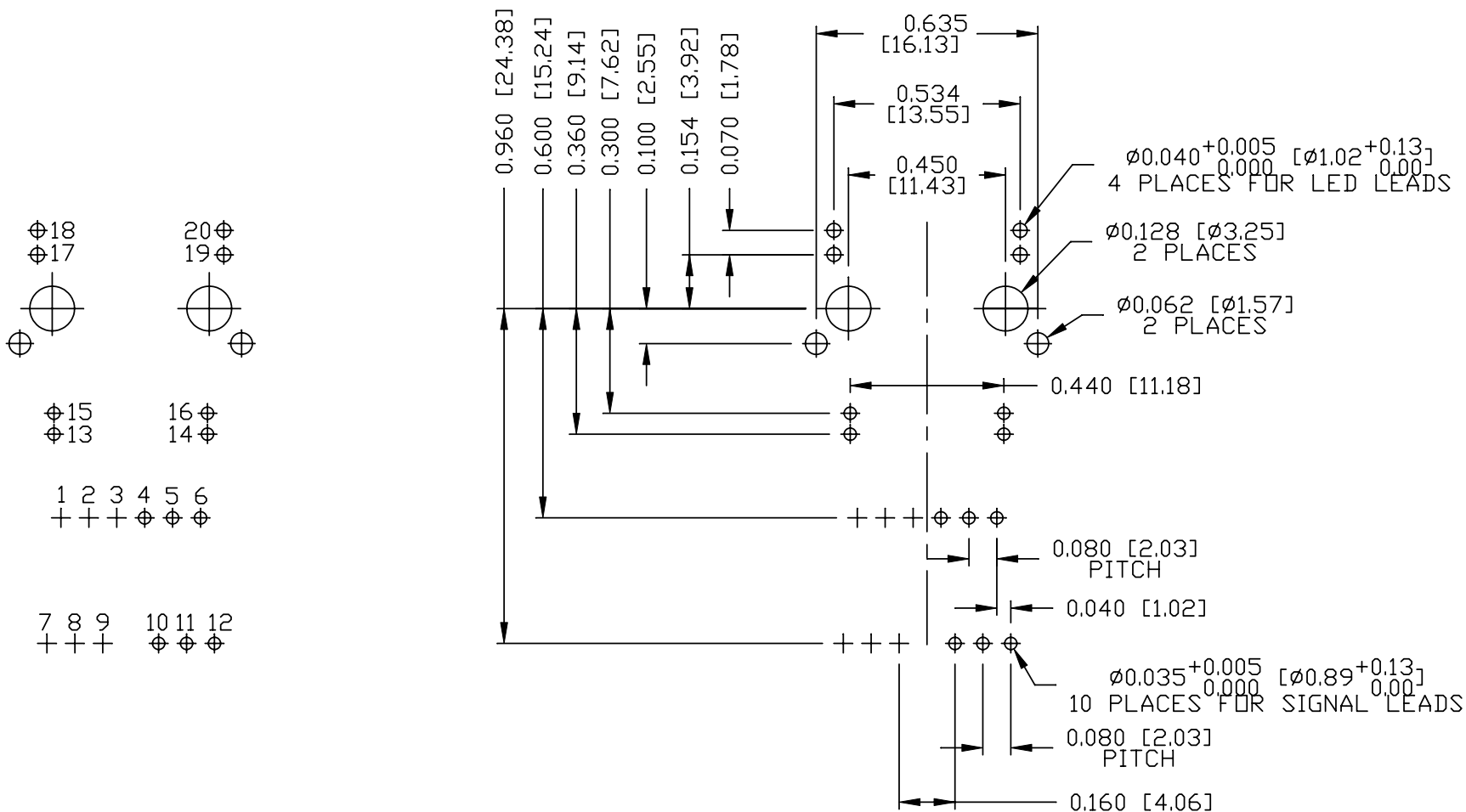


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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW

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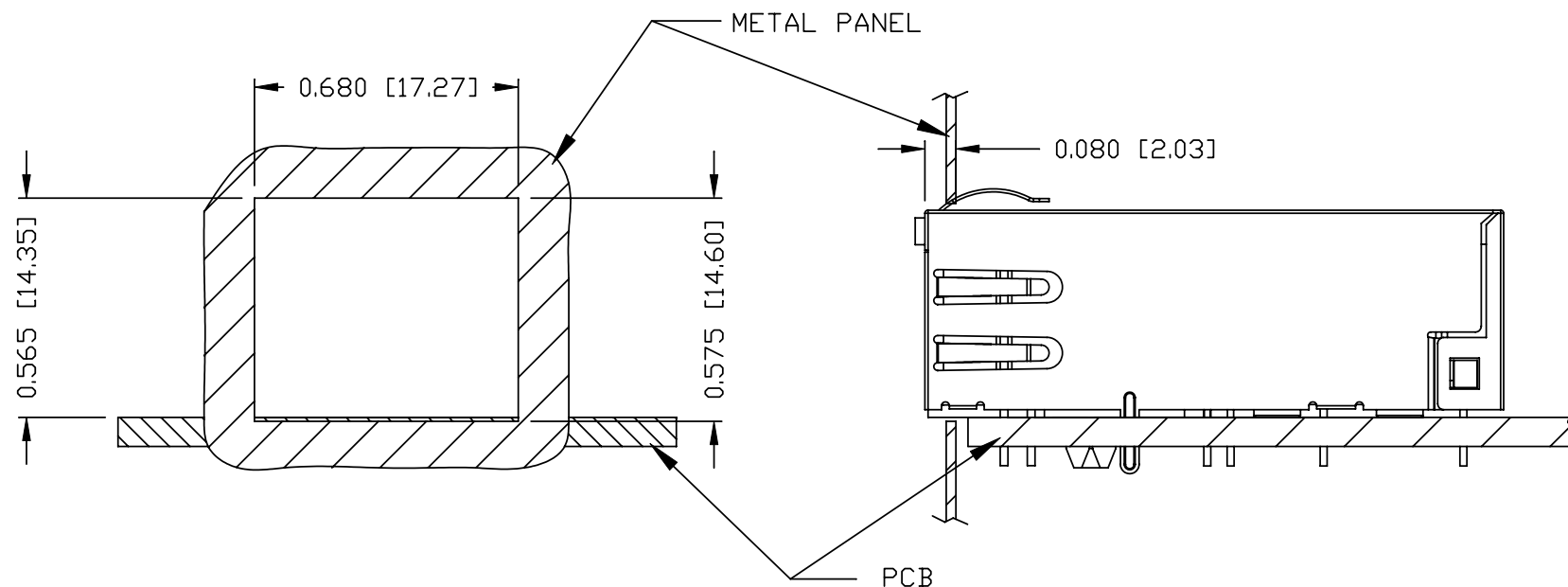
ORIGINATED BY	DATE	TITLE	10/100 MagJack® with PoEp PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-08-14			0838-1X1T-W6	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE			FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-08-14			0838-1X1T-W6_B.DWG	.XX		±0.004		
			.XXX						

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RoHS



SUGGESTED PANEL OPENING



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-R3 (TOP)

0200-9999-R4 (BOTTOM)

PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY

10 TRAYS (420 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-08-14	10/100 MagJack® with PoEp PATENTED	0838-1X1T-W6	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
HE ZHEN	2012-08-14		0838-1X1T-W6_B.DWG	.XX		PAGE : 5
				.XXX		

