LED1 POLARITY				LED2 POLARITY			
PIN	13	PIN 14	COLOR	PIN 15	PIN 16	COLOR	
-		+	YELLOW	- +		GREEN	





	- + YELLOW -	+ GREEN		HF
ELECTRICAL CHARACTERISTIC	CS @ 25°C	LED 1	<u>SCHEMATIC</u>	
TURNS RATIO		13		1 RJ45
TX	1CT : 1	YELLOW (本)		
RX	1CT : 1	14		
□CL @ 100kHz/100mVRMS	(0-70°C)			
8mA DC BIAS	350µH MIN.	TCT 11 •	1CT : 1	
INS, LOSS				1 TX+
0,1MHz T□ 1MHz	-1.1 dB MAX	TD+ 12 •		
1MHz TO 65MHz	-0.5 dB MAX		۲ <u>-</u>	
65MHz TO 100MHz	-0,8 dB MAX	TD- 10 •		2 TX-
100MHz TO 125MHz	-1,2 dB MAX	RD+ 4 •	1CT : 1	3 RX+
RET, LOSS (MIN) @ 100	□HMS +/- 15%	RD- 6 •	3 e	
0.5MHz-40MHz	-18 dB	νη- ο • <u>-</u>		
40MHz-100MHz	-12+20L0G(f/80MHz) dB	RCT 5		6 RX-
CM TO CM REJ		KCI 5		4
100kHz - 100MHz	-30 dB MIN			4 5
CM TO DM REJ				7
100kHz - 100MHz	-35 dB MIN			8
HIPOT (Isolation Voltage):	1500 Vrms or 2250 VDC	15 •		
100% OF PRODUCT TESTED	IN PRODUCTION			
LED 1		GREEN (4X 75 DHMS } } }	
VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.	16		
AD (DOMINANT WA∨ELENGT	H) IF=20mA YELLOW 590nm TYP,	LED 2	1000pF 2kV <u></u>	
LED 2			· · · · · · · · · · · · · · · · · · ·	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP,		SHIELD 7777	
AD (DOMINANT WAVELENGT				
	-40 T□ +100°C		REV. : PA PAGE :	2
ORIGINATED BY TITLE	10/100 MagJack® PART NO. /			
	Iltro I ow Profile) A829-1	A1T91B TOL. IN I	INCH AS REF.	A11

CHOW WANCHUNG
DATE 2018-10-09

DRAWN BY
XIE YIMING
DATE 2018-10-09

10/100 MagJack® (Ultra Low Profile) Automotive temperature A829-1A1T-91B PATENTED ## A829-1A1T91B PA.DWG NO. STANDARD DIM. TOL. IN INCH

A829-1A1T91B_PA.DWG .XXX

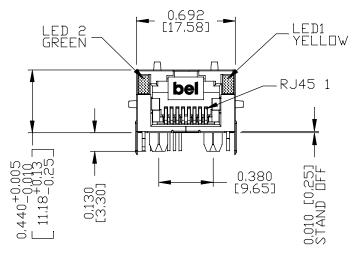
UNIT : INCH [mm]

SIZE : A4

SCALE : N/A

MAGNETIC SOLUTIONS
a bel group

PRELIMINARY



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

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

100 MICRO-INCH MIN MATTE TIN.

PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

[1] MARK PART WITH MFG. LOGD, MFG. NAME, PART NUMBER, DATE CODE AND PATENTED.

2. THE PRODUCT IS ROHS COMPLIANT WITH NO EXEMPTION AND HALOGEN FREE.

RoHS も,020 も,511 EADS 0,055±0,020 [1,40±0,51] 0.055 0,125 SIGNAL & 0,945 [24,00] 0.100 [2.54] PITCH 0.350 [8.89] 0.520 [13.20] -0,260 [6,60] 0.360 [9.14]

- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S PAT. 6,840,817.
- 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
- 6. THE PRODUCT IS DESIGNED TO BE COMPATIBLE WITH THE SAE/USCAR2-6 STANDARD, TEMPERATURE CLASS T2, SEALING CLASS S1 AND VIBRATION CLASS V1.

c Nisul recognized - file #e196366 and e169987.

ORIGINATED BY
ANTON LIAO
DATE 2018-10-09

DRAWN BY
LI QUANKUN
DATE 2018-10-09

TITLE

10/100 MagJack®

(Ultra Low Profile)

Automotive temperature

A829-1A1T-91B

PATENTED

 PART NO. / DRAWING NO.
 STANDARD DIM.
 [] METRIC DIM.

 A829-1A1T91B
 TOL. IN INCH
 AS REF.

 .X
 UNIT: INCH [mm]

 .XX
 SCALE: N/A

 .XXX
 ±0,010
 SIZE: A4

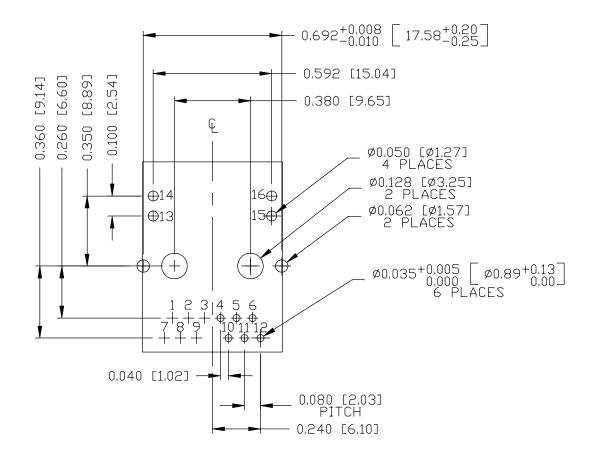


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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



ORIGINATED BY ANT□N LIA□				
ANTON LIAO				
DATE	2018-10-09			
DRAWN BY				
LI QUANKUN				
DATE	2018-10-09			

TITLE

10/100 MagJack®

(Ultra Low Profile)

Automotive temperature

A829-1A1T-91B

PATENTED

 PART NO. / DRAWING NO.

 A829-1A1T91B
 STANDARD DIM.
 [] METRIC DIM.

 TOL. IN INCH
 AS REF.

 .X
 UNIT : INCH [mm]

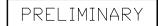
 .XX
 SCALE : N/A

 .XXX
 ±0.004
 SIZE : A4

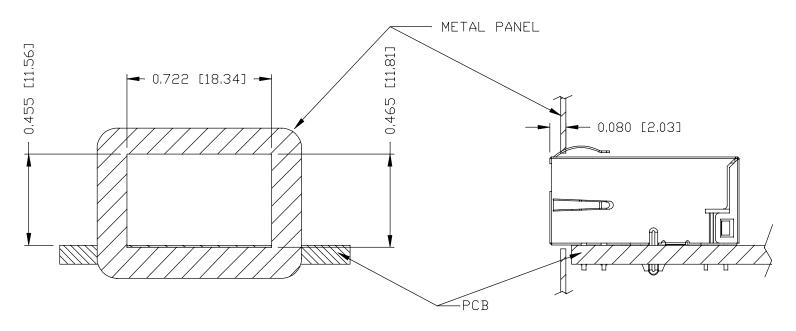


NOTE:

SUGGESTED PANEL OPENING







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.

TRAY PACKING INFORMATION

PACKING TRAY: 0200-9999-E4 (TOP)

0200-9999-E5 (BOTTOM)

PACKING QUANTITY: 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 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	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.
ANTON LIAO Date 2018-10-09	10/100 MagJack® (Ultra Low Profile)	A829-1A1T91B		IN INCH	AS REF.
	Automotive temperature		v		UNIT : INCH [mm]
DRAWN BY		FILE NAME			
LI QUANKUN	A829-1A1T-91B	1 A C C C 1 A 1 T C 1 D D A D V C	.XX		SCALE : N/A
DATE 2018-10-09	PATENTED	A829-1A1T91B_PA.DWG	.XXX	±0,005	SIZE : A4

REV. : PA PAGE : 5

Del magnetic solutions
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