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LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
−	+	YELLOW	−	+	GREEN
			+	−	ORANGE

RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

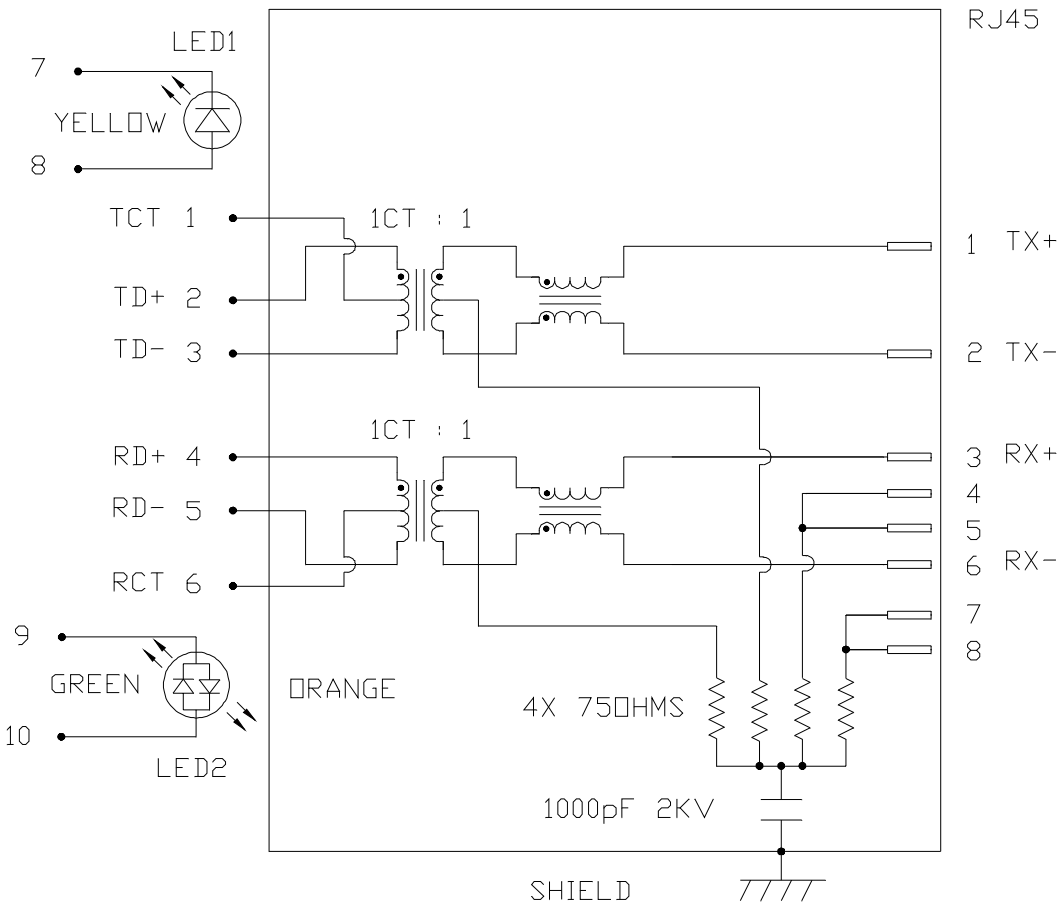
TURNS RATIO	
TX	1CT : 1
RX	1CT : 1
OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
CM TO CM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms

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

LED1			
VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.
LED 2			
VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
		GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	605nm TYP.
		GREEN	570nm TYP.

OPERATING TEMPERATURE: -40°C TO +85°C.

SCHEMATIC



REV. : E | PAGE : 2

ORIGINATED BY: CHOW WANCHUNG DATE 2017-04-28	TITLE: 1X4 MagJack® (4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	PART NO. / DRAWING NO.: 08B01X4T36-F FILE NAME: 08B01X4T36-F_E.DWG	STANDARD DIM. TOL. IN INCH .X .XX .XXX
DRAWN BY: XIE YIMING DATE 2017-04-28			[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

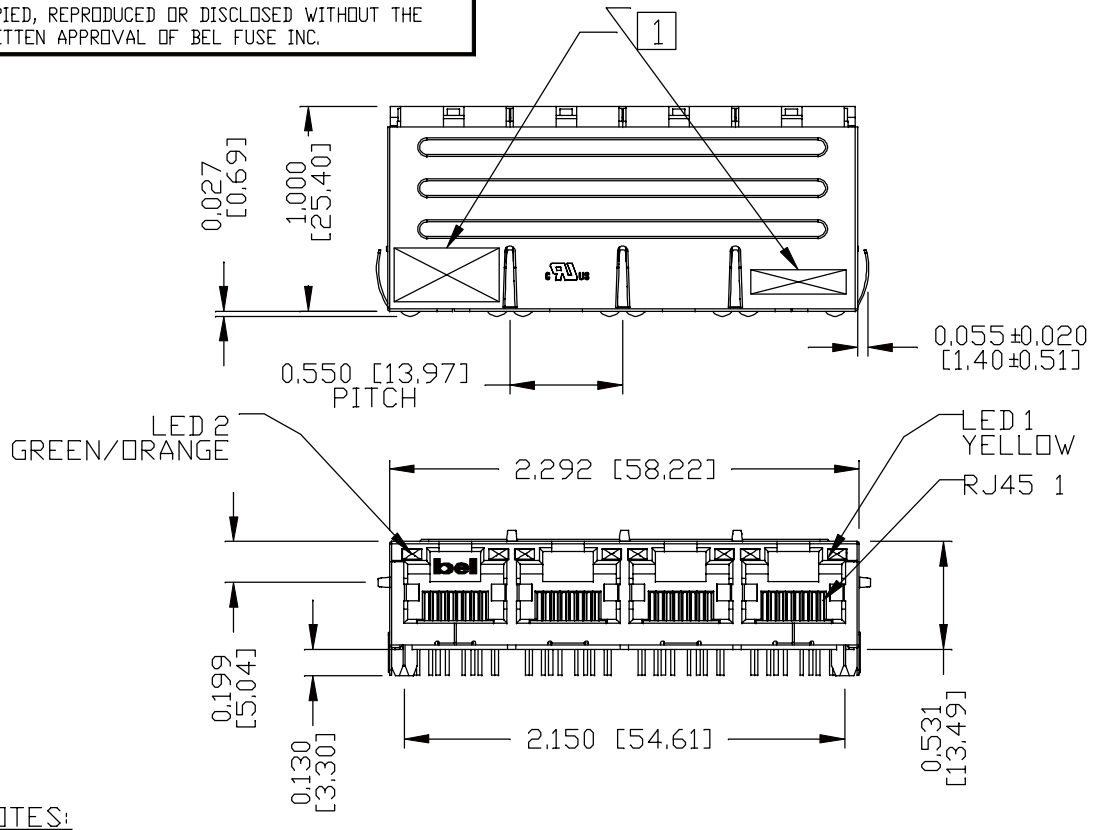
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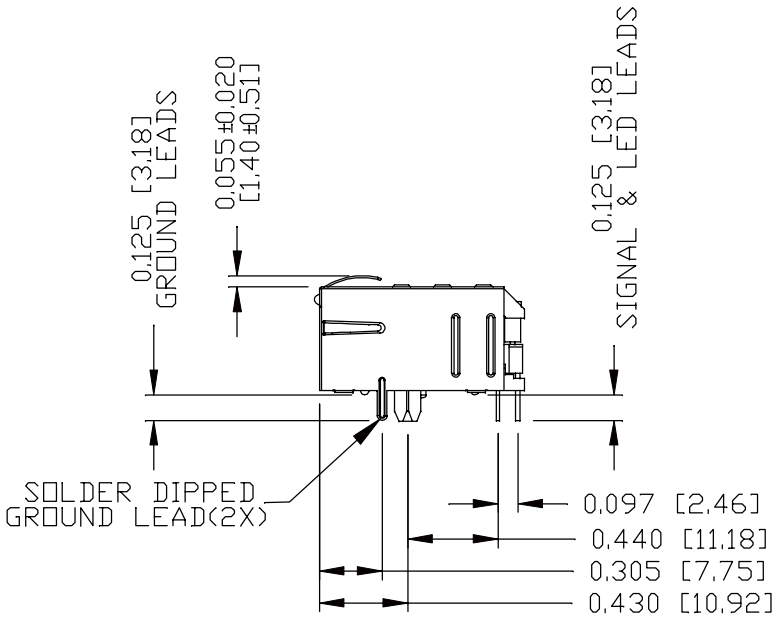
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Please read our datasheet & drawing disclaimer here.

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

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 LOGO, MFG NAME, PART NUMBER AND DATE CODE.

2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

3. THE PRODUCT IS RoHS COMPLIANT.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : E	PAGE : 3

ORIGINATED BY ANTON LIAO DATE 2017-04-28	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	PART NO. / DRAWING NO. 08B01X4T36-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2017-04-28		FILE NAME 08B01X4T36-F_E.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

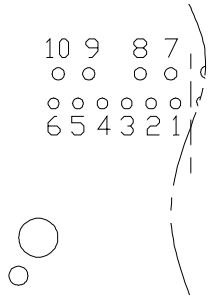
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PIN ASSIGNMENT - EACH PORT

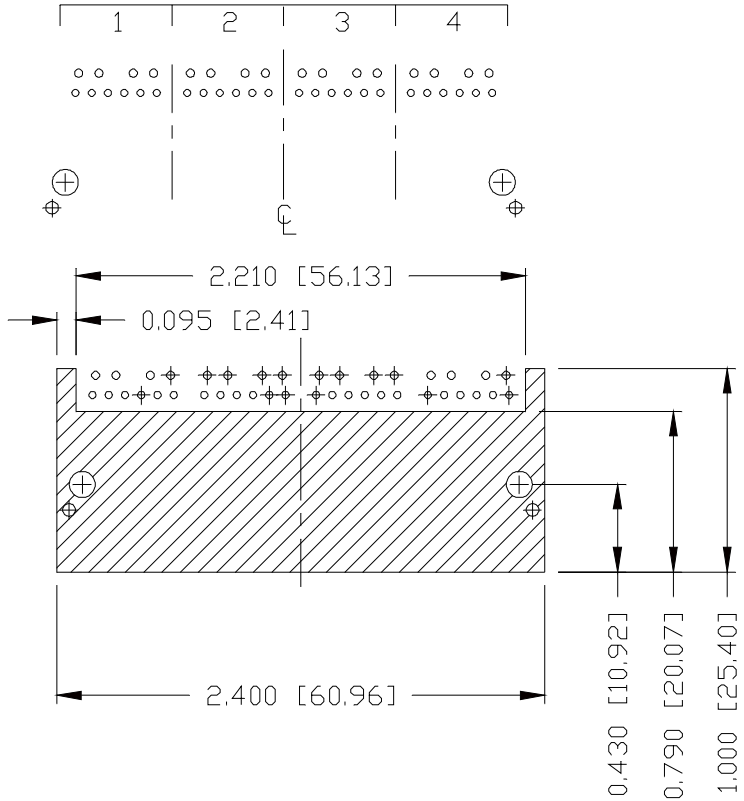
COMPONENT SIDE VIEW



6	RCT
5	RD -
4	RD +
3	TD -
2	TD +
1	TCT

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY ANTON LIAO DATE 2017-04-28	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	PART NO. / DRAWING NO. 08B01X4T36-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	REV. : E
DRAWN BY JESSE LI DATE 2017-04-28		FILE NAME 08B01X4T36-F_E.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	PAGE : 4

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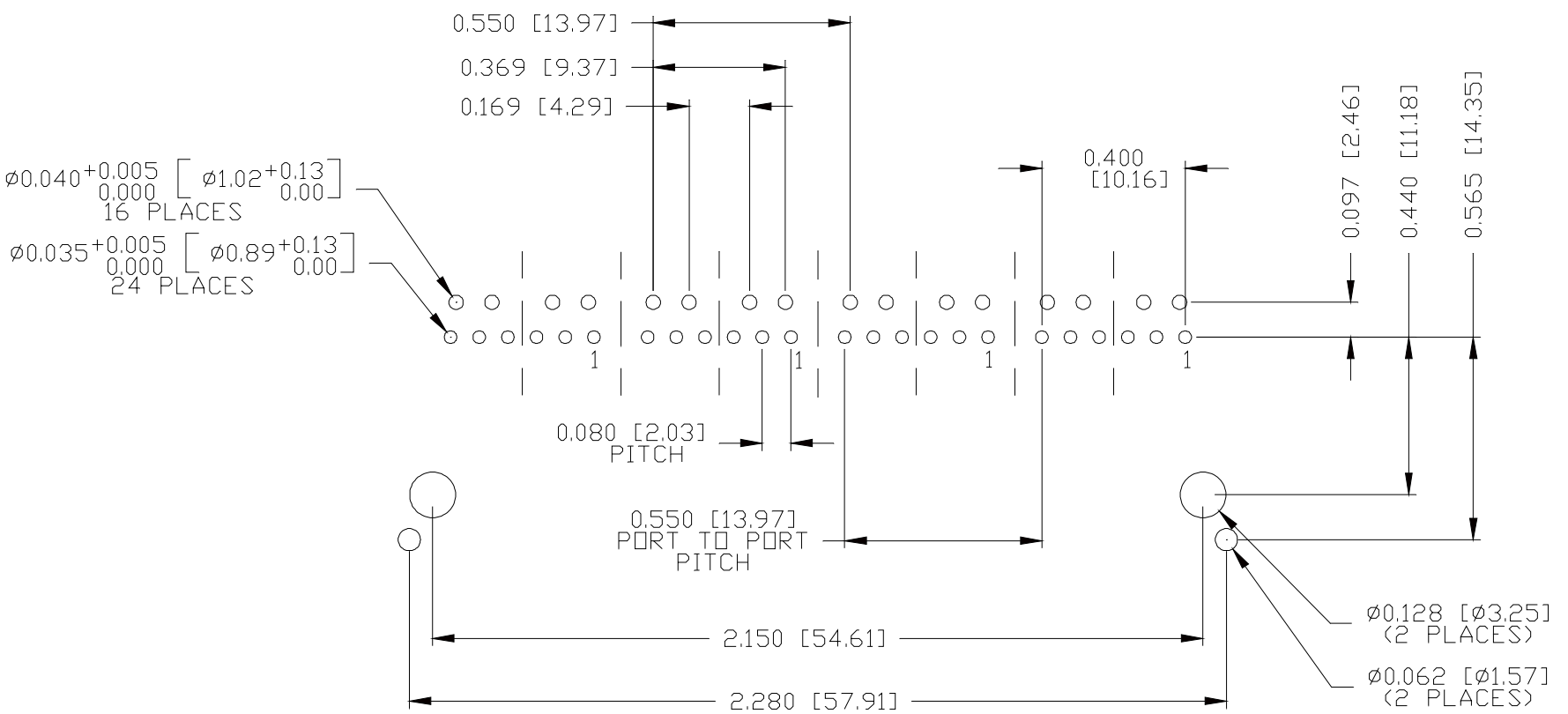
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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DRAWN BY JESSE LI DATE 2017-04-28		FILE NAME 08B01X4T36-F_E.DWG	.X / .XX / .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	PAGE : 5

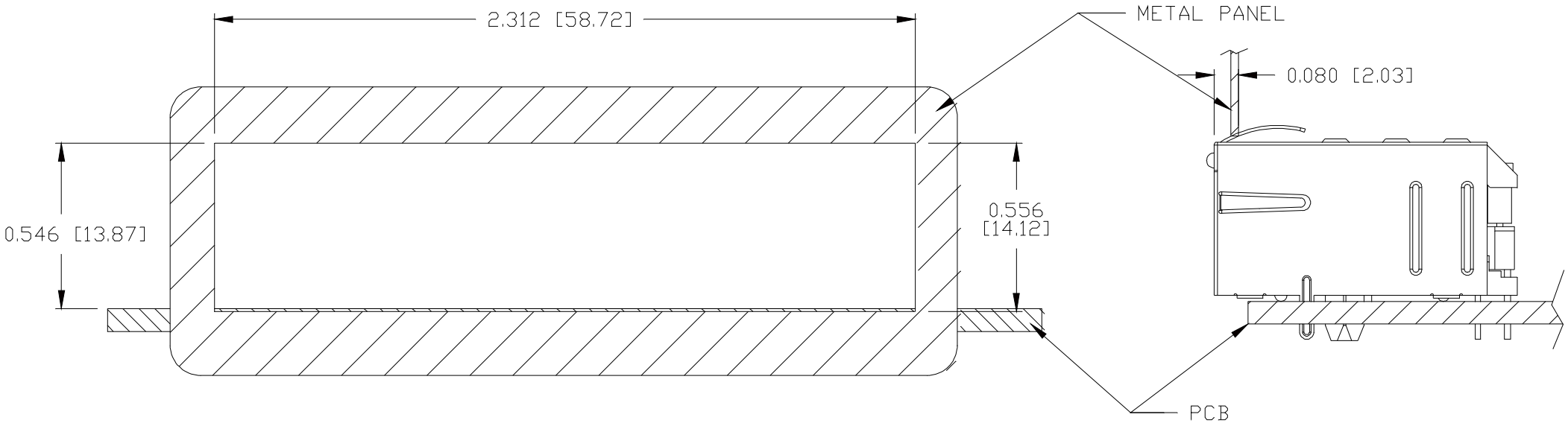
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SUGGESTED PANEL OPENING



NOTES:

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 : 0200-0148-17
PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.
10 TRAYS (300 PCS FINISHED GOODS) PER CARTON BOX.
NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : E				PAGE : 6	
ORIGINATED BY ANTON LIAO DATE 2017-04-28	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	PART NO. / DRAWING NO. 08B01X4T36-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2017-04-28		FILE NAME 08B01X4T36-F_E.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

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