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

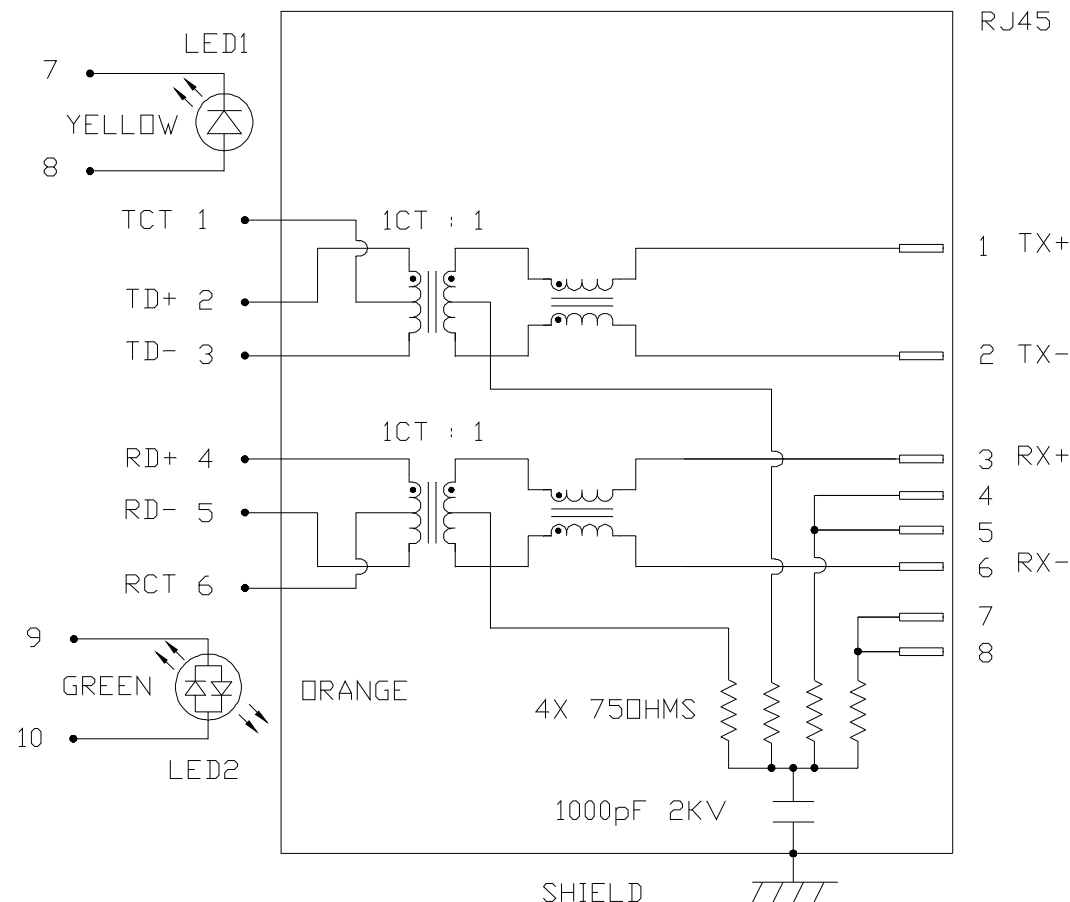
RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO TX RX DCL @ 100kHz/100mVRMS 8mA DC BIAS INS. LOSS 1MHz TO 100MHz RET. LOSS (MIN) 1MHz-30MHz 30MHz-60MHz 60MHz-80MHz CROSS TALK (TX - RX) 500kHz-1MHz 10 MHz 30 MHz 50 MHz 100 MHz CM TO CM REJ 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz CM TO DM REJ 100kHz-1MHz 10 MHz 30 MHz 60 MHz 100 MHz HIPOT (Isolation Voltage): 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. λD (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP. ORANGE 605nm TYP. GREEN 570nm TYP. OPERATING TEMPERATURE: -40°C TO +85°C.	1CT : 1 1CT : 1 350μH MIN. -1.0 dB MAX -18 dB -18+20LOG(F/30MHz) dB -12 dB -70 dB MIN -50 dB MIN -45 dB MIN -40 dB MIN -35 dB MIN -70 dB MIN -47 dB MIN -42 dB MIN -37 dB MIN -30 dB MIN -70 dB MIN -60 dB MIN -50 dB MIN -45 dB MIN -40 dB MIN 1500 Vrms
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SCHEMATIC

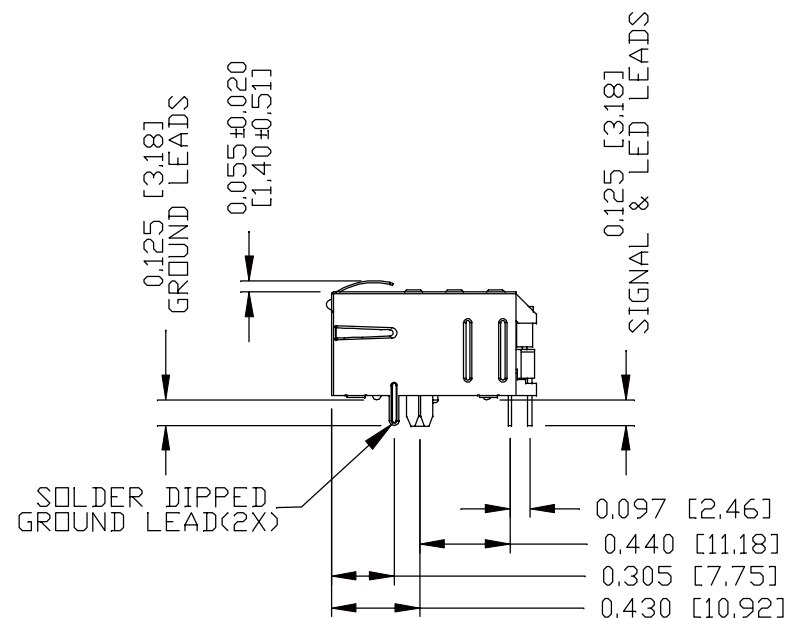
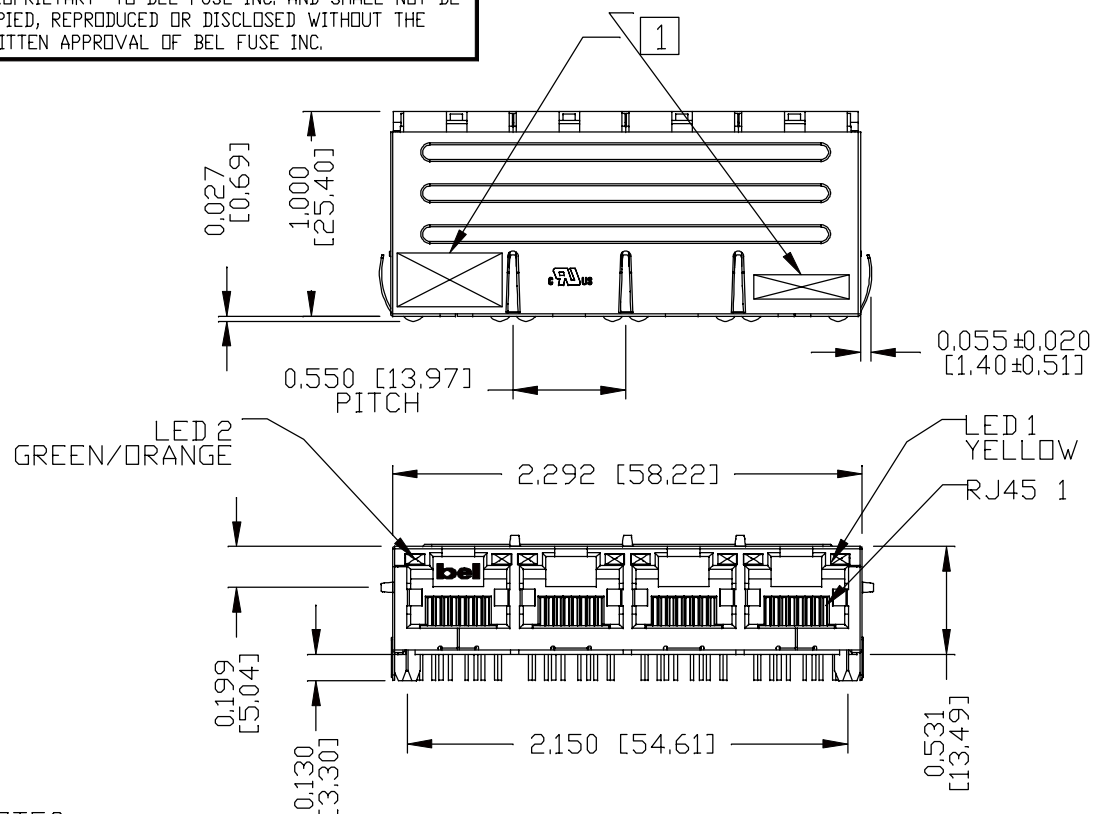


ORIGINATED BY CHOW WANCHUNG DATE 2017-04-28	TITLE 1x4 MagJack® (< 4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	PART NO. / DRAWING NO. 08B01X4T36-F FILE NAME 08B01X4T36-F_E.DWG	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4	REV. : E PAGE : 2
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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.

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- THE PRODUCT IS RoHS COMPLIANT.

UL UL RECOGNIZED - FILE #E196366 AND E169987.

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

ORIGINATED BY ANTON LIAO DATE 2017-04-28	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO. 08B01X4T36-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	REV. : E PAGE : 3
DRAWN BY JESSE LI DATE 2017-04-28	FILE NAME 08B0-1X4T-36-F (Extended temperature)	FILE NAME 08B01X4T36-F_E.DWG	.X .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

DC002(2)120214

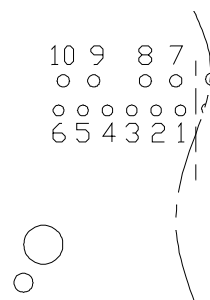
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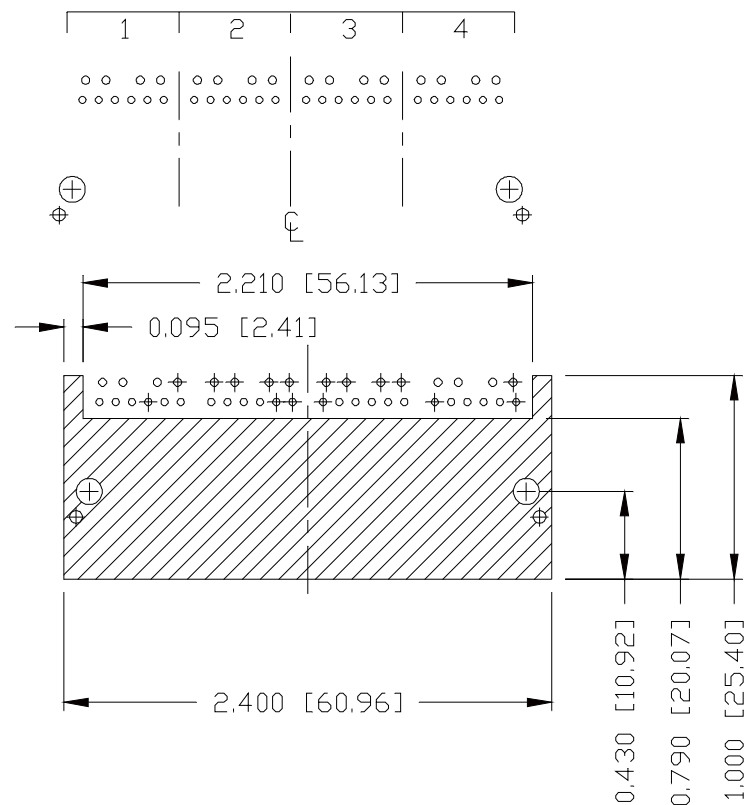


PIN ASSIGNMENT - EACH PORT COMPONENT SIDE VIEW



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

DRAWN BY
JESSE LI
DATE 2017-04-28

PART NO. / DRAWING NO.
08B01X4T36-F
FILE NAME
08B01X4T36-F_E.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		
.XX		
.XXX	±0.004	
		UNIT : INCH [mm]
		SCALE : N/A
		SIZE : A4

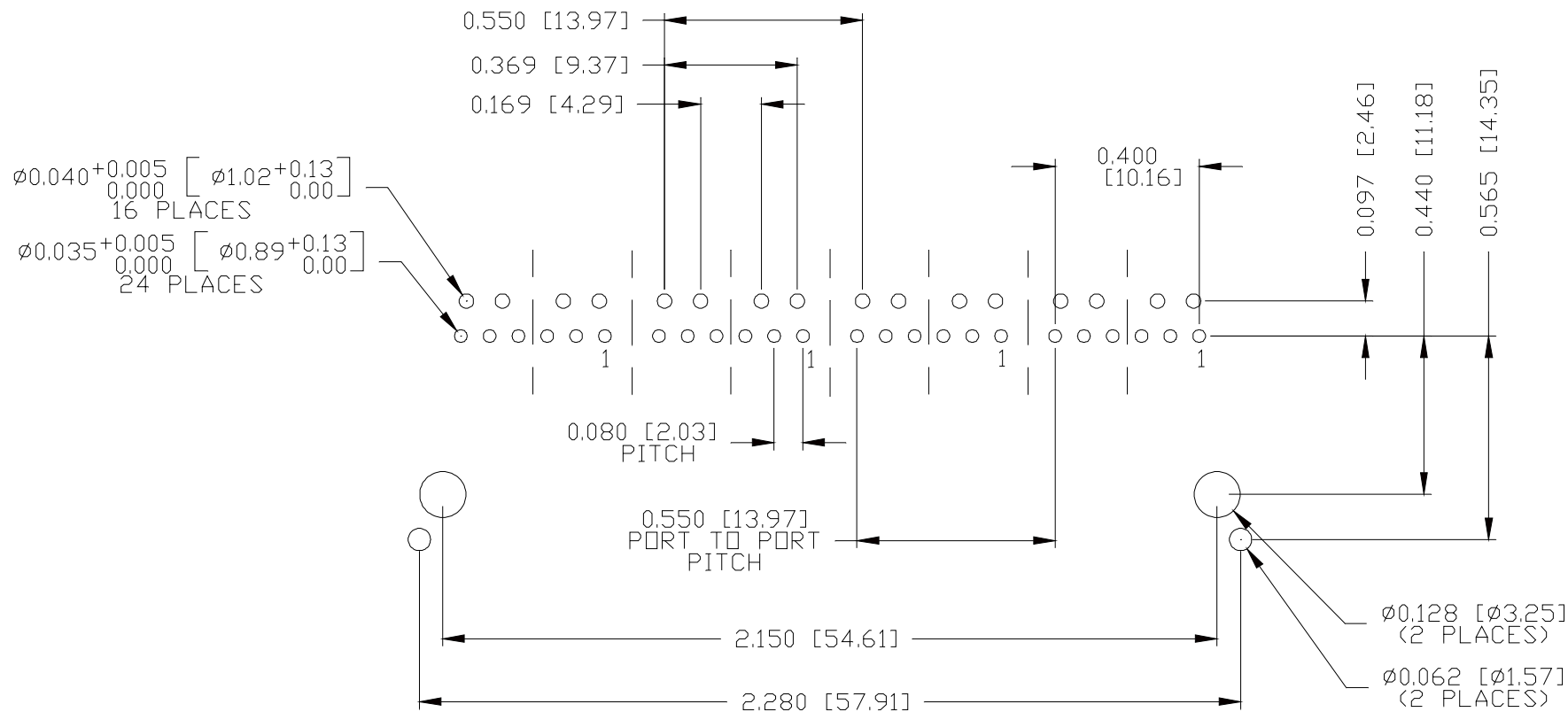
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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ORIGINATED BY ANTON LIAO DATE 2017-04-28		TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) (Extended temperature) 08B0-1X4T-36-F	
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		STANDARD DIM. TOL. IN INCH .X .XX .XXX	
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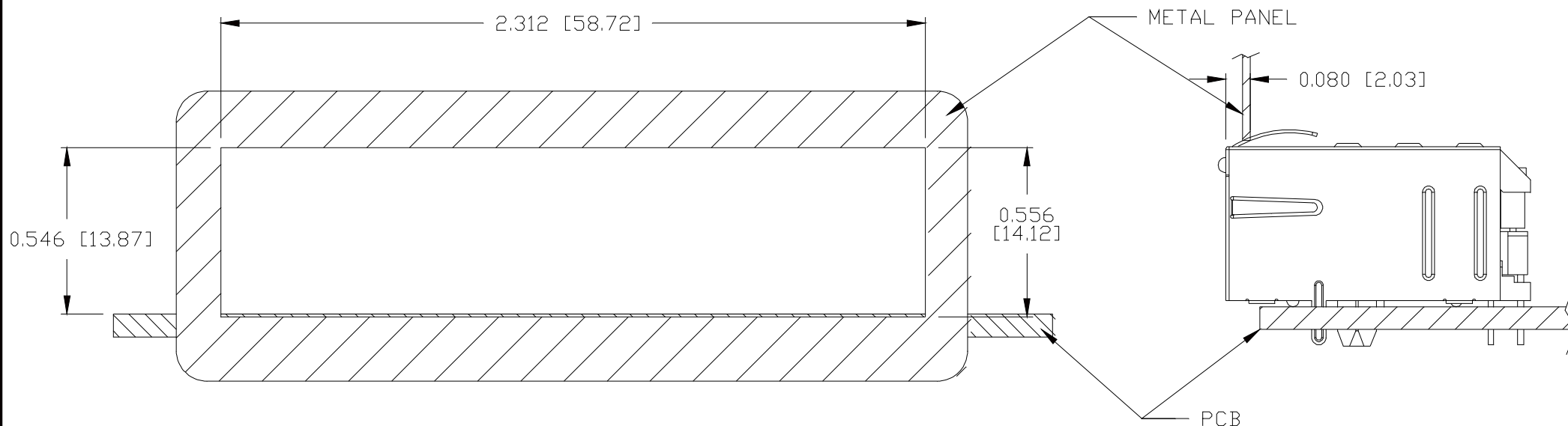
bel MAGNETIC
SOLUTIONS
a bel group

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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

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DRAWN BY JESSE LI DATE 2017-04-28		FILE NAME 08B01X4T36-F_E.DWG	.XX ±0.004	SCALE : N/A SIZE : A4	