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ELECTRICAL CHARACTERISTICS @ 25°C

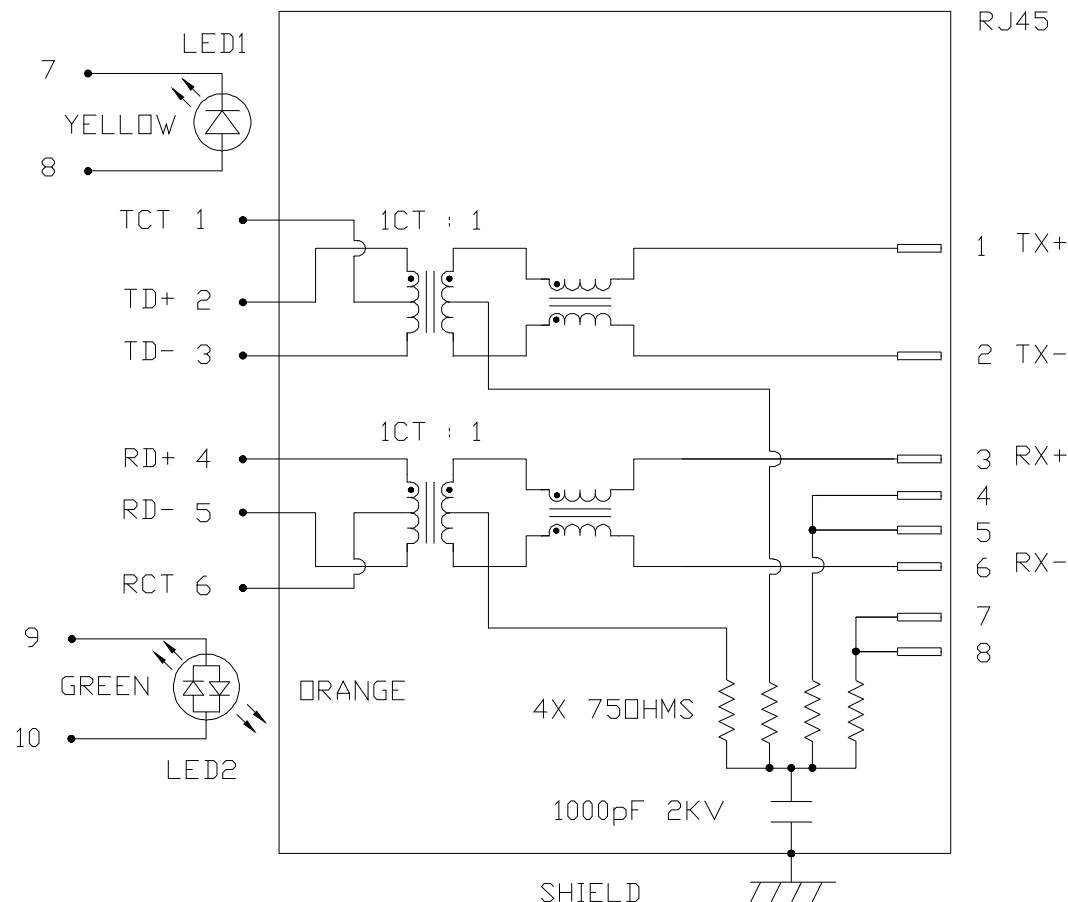
TRANS. LOSS	
TX	1CT : 1
RX	1CT : 1
OCCL @ 100kHz/100mVRMS	
8mA DC BIAS	350μH MIN.
INS. LOSS	
1MHz TO 100MHz	-1.0 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
CROSS TALK (TX - RX)	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB 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.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 2.2V TYP.
	ORANGE 605nm TYP.
	GREEN 570nm TYP.
OPERATING TEMPERATURE: -40°C TO +85°C.	

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

RoHS



SCHEMATIC



REV. : E PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-04-28

DRAWN BY
XIE YIMING
DATE 2017-04-28

TITLE
1X4 MagJack®
(4 Cores, MDIX, CM Termination)
(Extended temperature)
08B0-1X4T-36-F

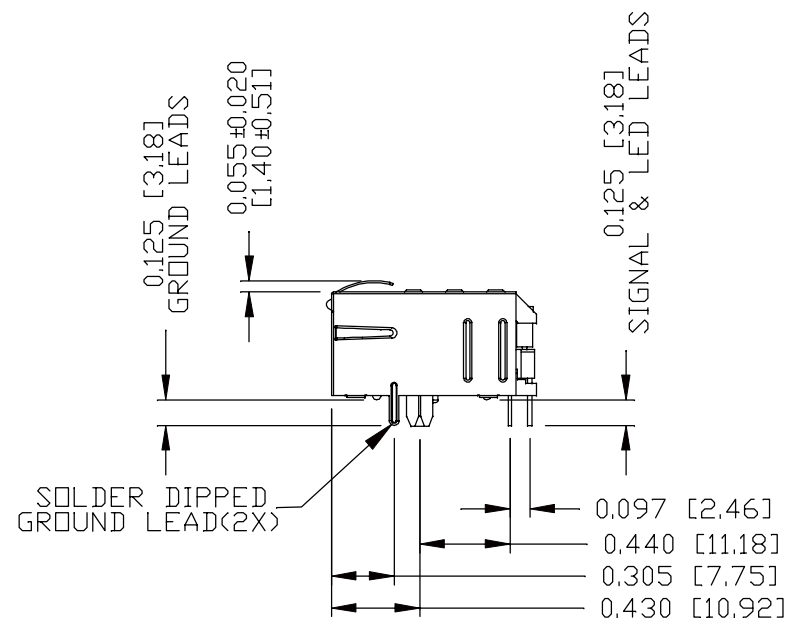
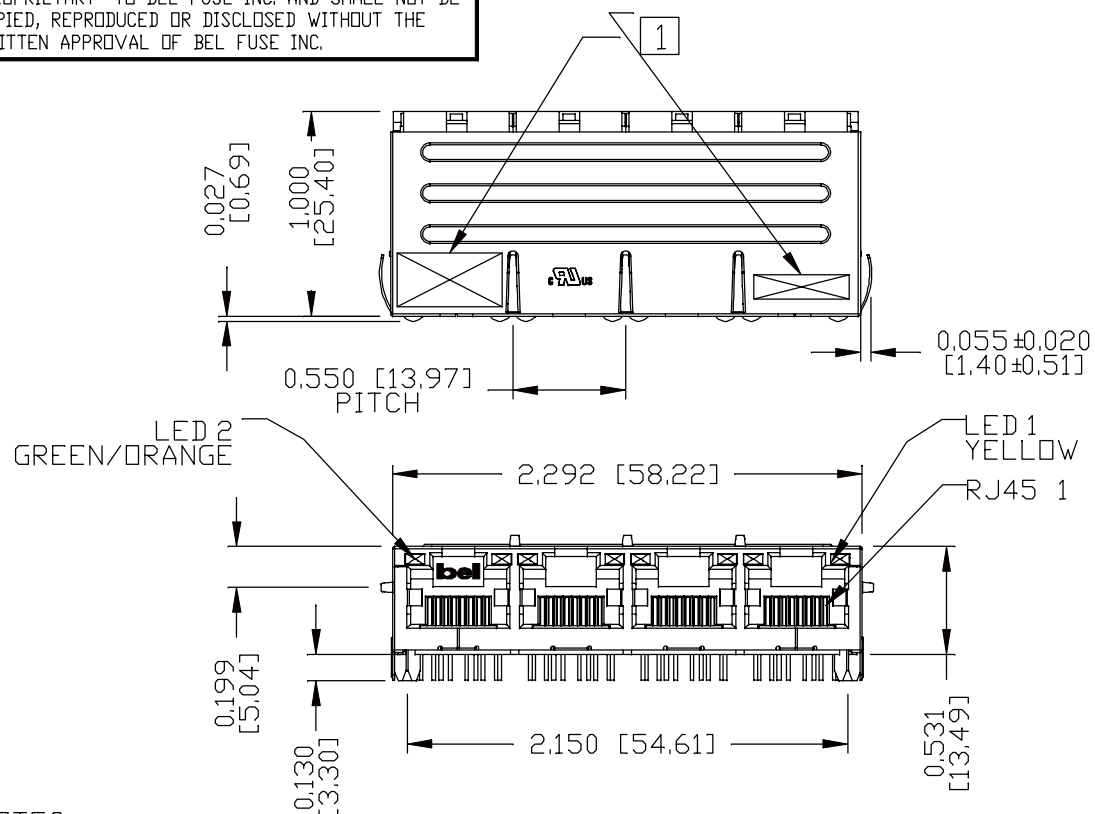
PART NO. / DRAWING NO.
08B01X4T36-F
FILE NAME
08B01X4T36-F_E.DWG

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



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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.

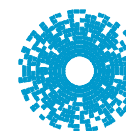
- THE PART IS RECOMMENDED FOR WAVE SOLDERING.
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.

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



MAGNETIC
SOLUTIONS

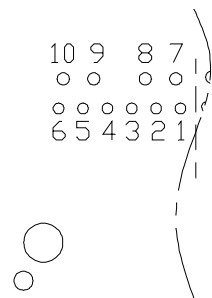
a bel group



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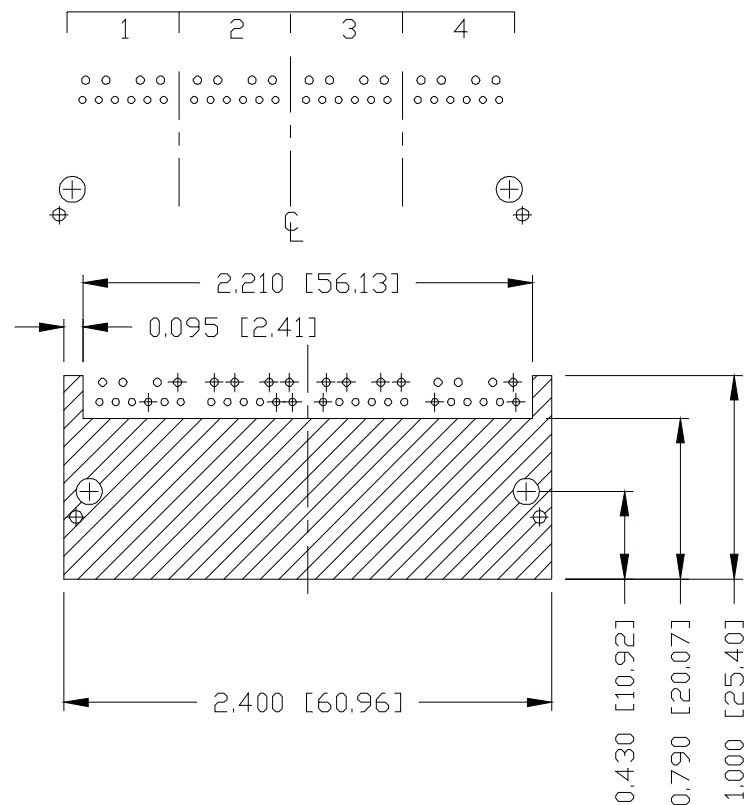


PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



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.

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DATE 2017-04-28

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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

REV. : E PAGE : 4

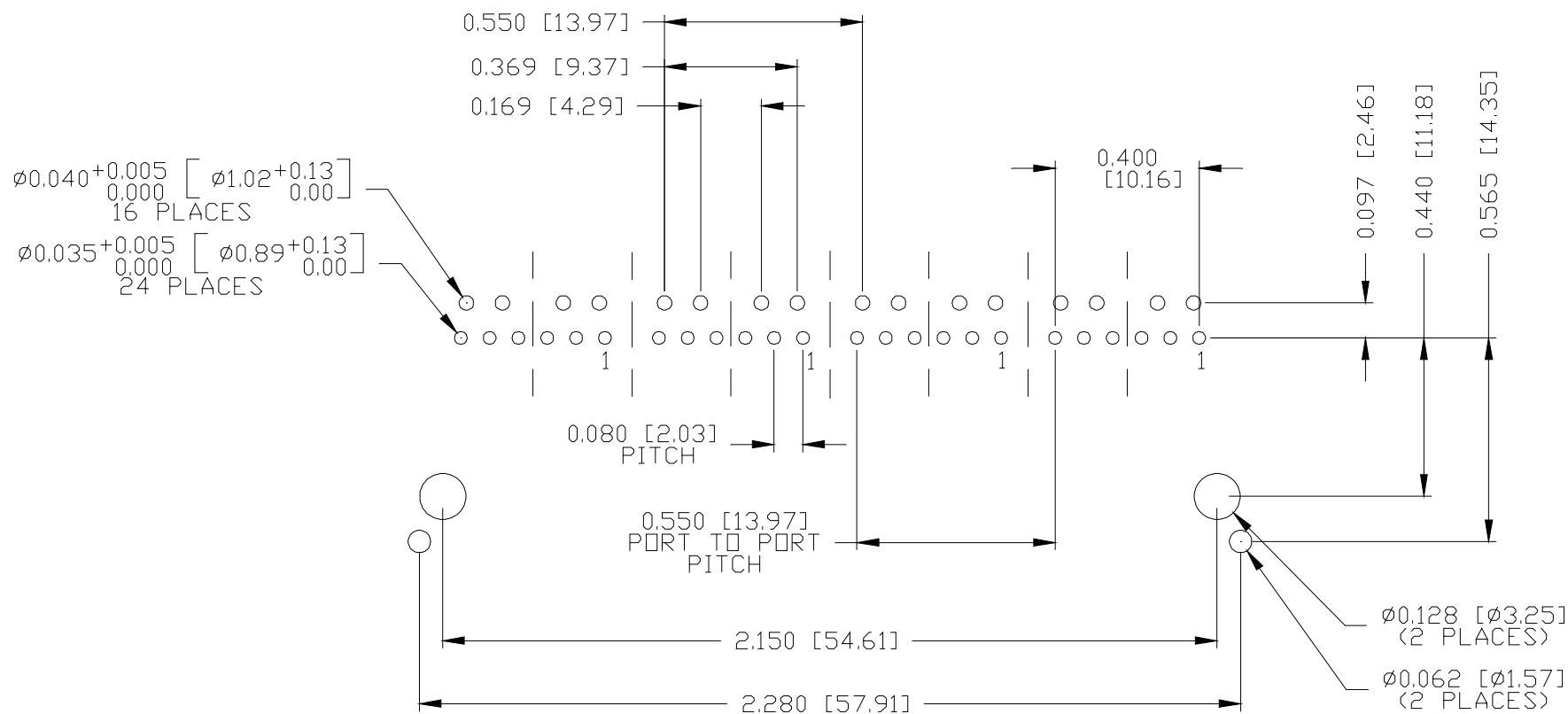


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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



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PART NO. / DRAWING NO.

08B01X4T36-F

FILE NAME

08B01X4T36-F_E.DWG

STANDARD DIM.
TOL. IN INCH

.X

.XX

.XXX

±0.004

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : E

PAGE : 5



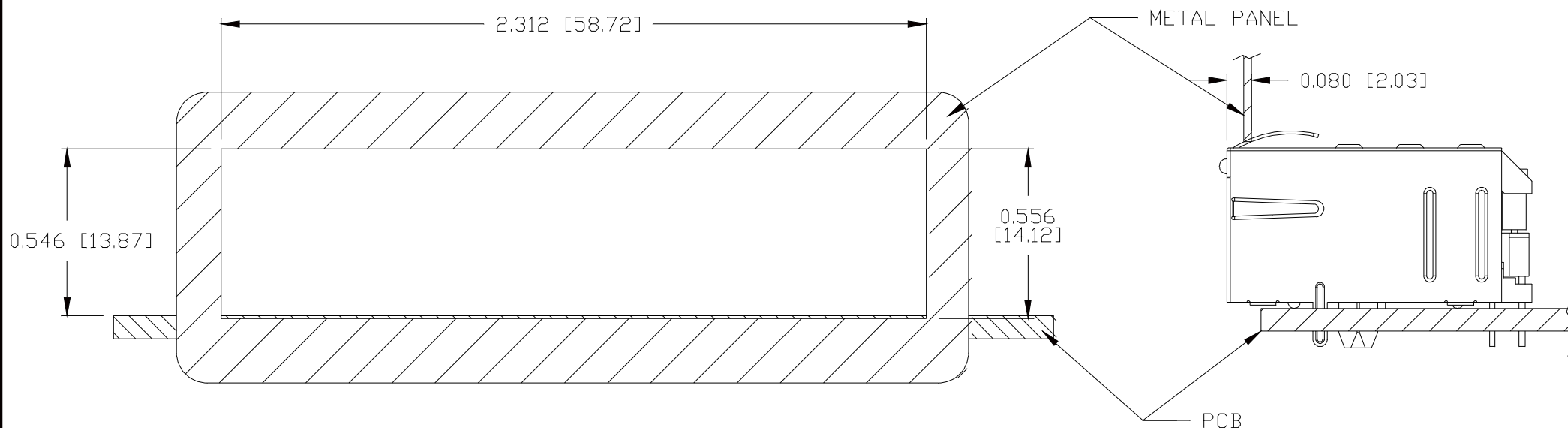
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SUGGESTED PANEL OPENING



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

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