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PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
 RX 1CT : 1

□CL @ 100kHz/100mVRMS

8mA DC BIAS (0-70°C) 350μH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN) @100 □HMS ±15%

1MHz-30MHz -18 dB

30MHz-60MHz -18+20LOG(f/30MHz) dB

60MHz-80MHz -12 dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

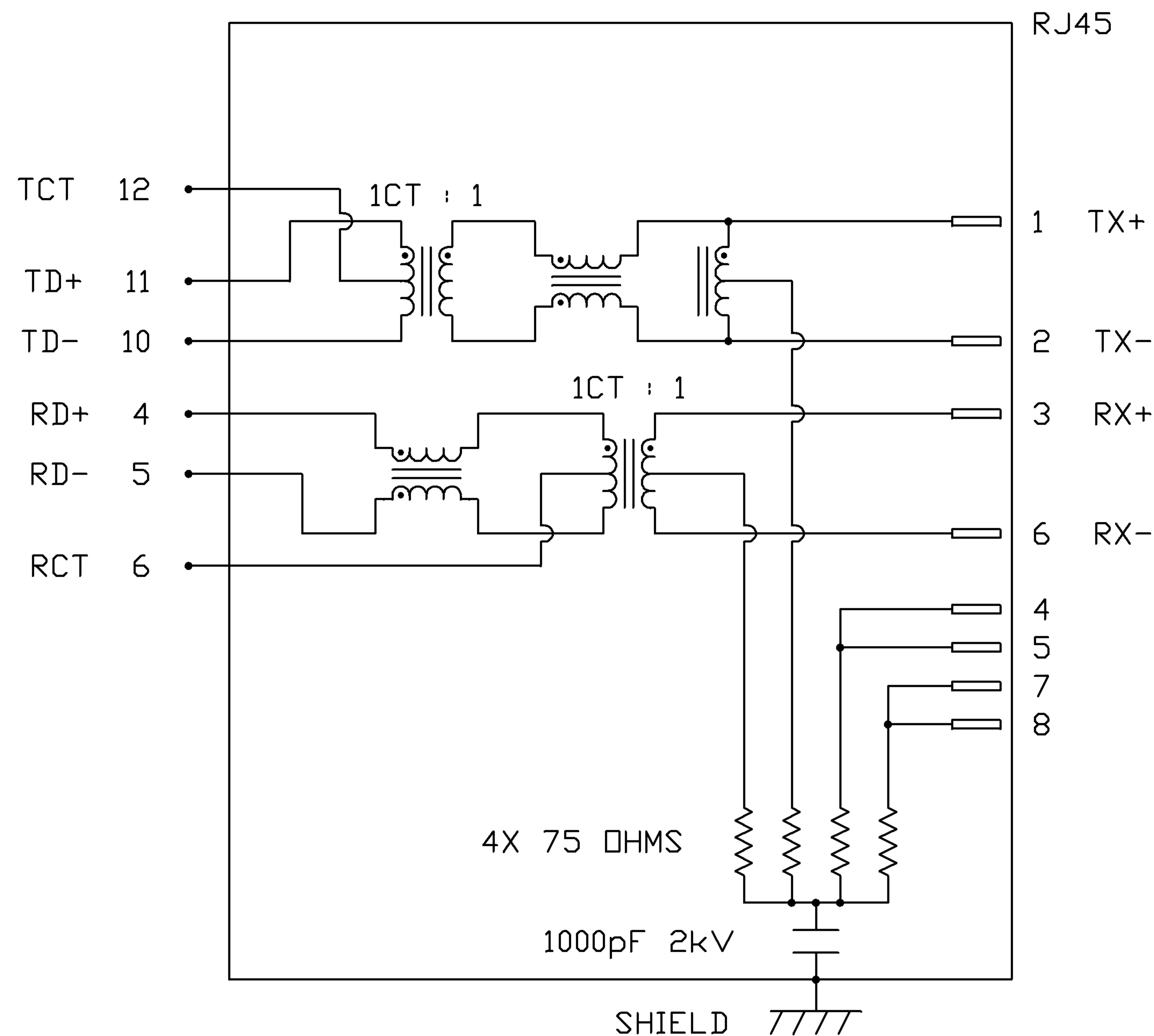
HIPOT (Isolation Voltage):

1500 Vrms

100% □F PRODUCTION TESTED

TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC

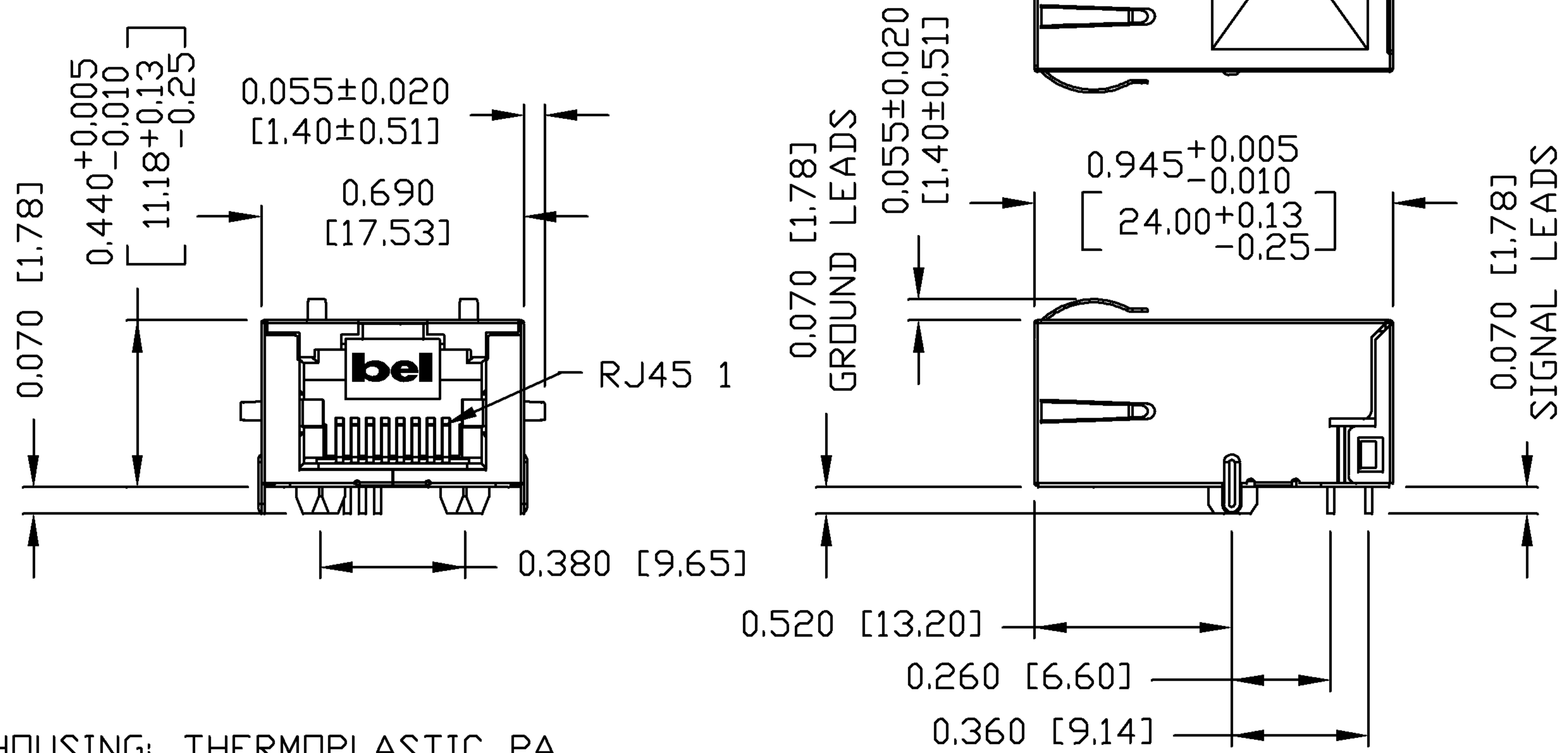
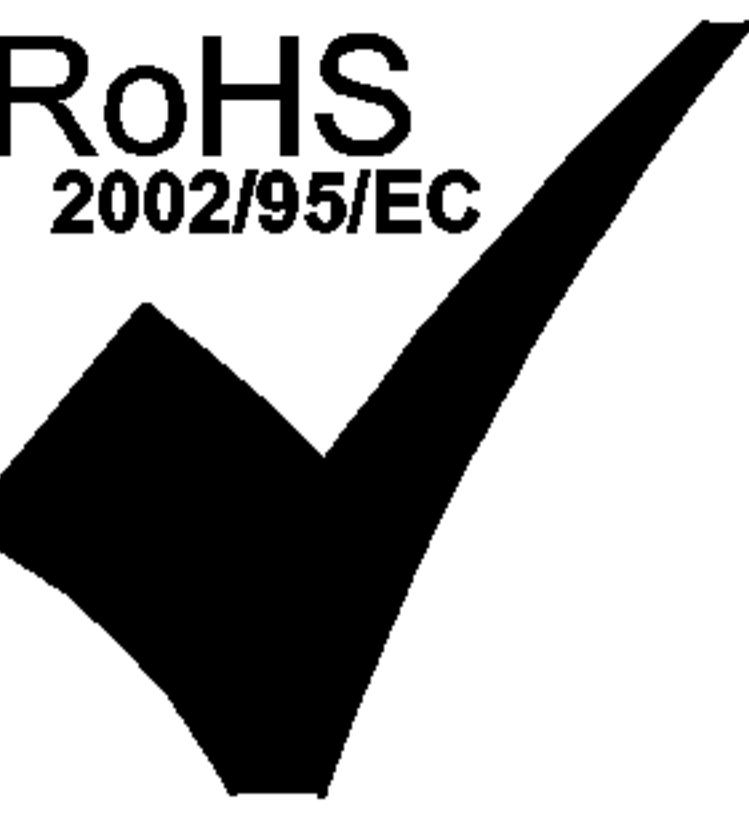


ORIGINATED BY CHOW WANCHUNG	DATE 04-23-08	TITLE 10/100 MagJack® (Ultra Low Profile)	PART NO. / DRAWING NO. L837-1X1T-47	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS FOR A CONNECTED PLANET	
DRAWN BY WEIDE LEE	DATE 04-23-08		FILE NAME L837-1X1T-47_PA.DWG	.X	UNIT : INCH [mm]		REV. : PA
				.XX	SCALE : N/A		SIZE : A4
				.XXX		PAGE : 2	

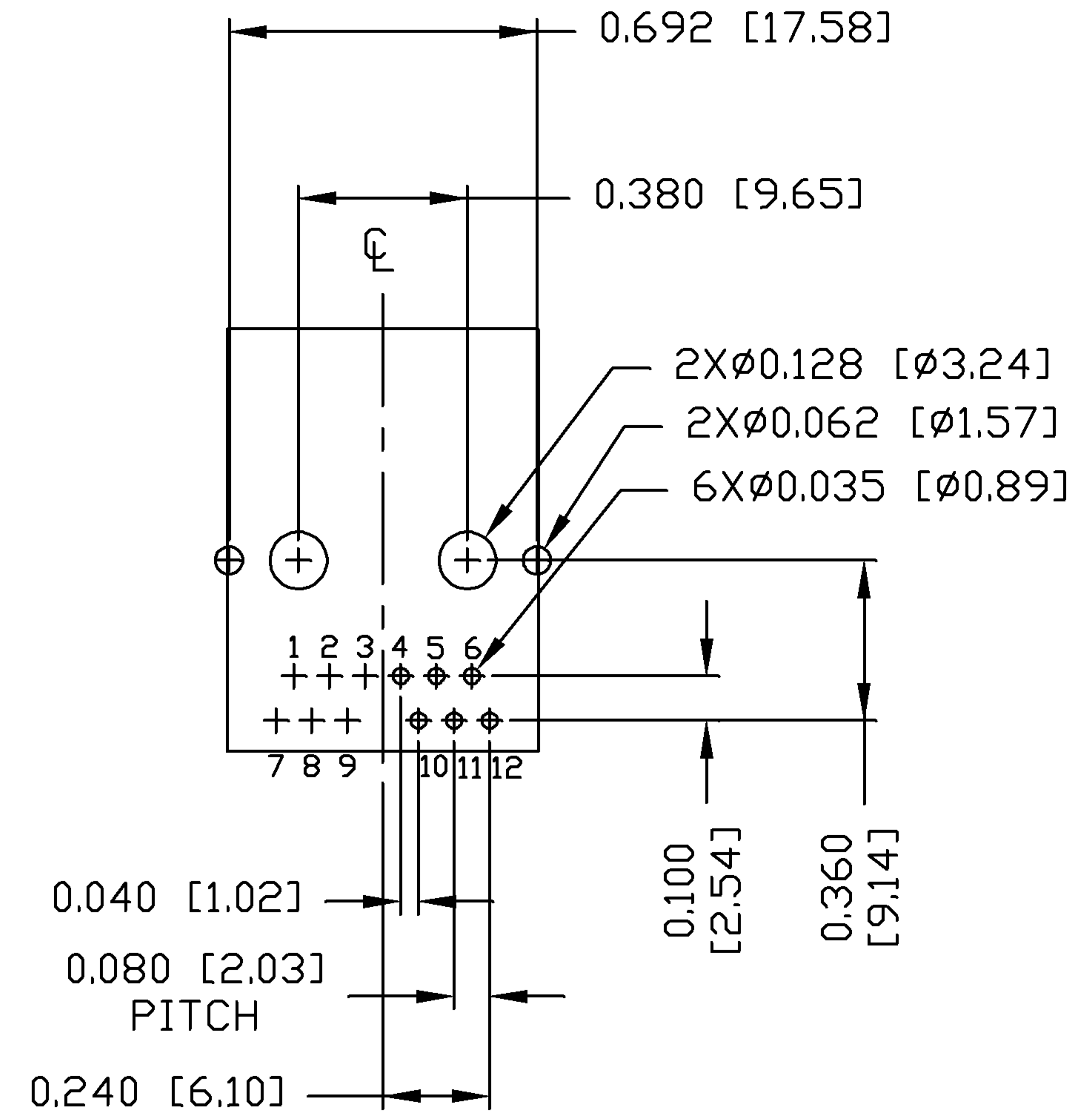
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MECHANICAL SPECIFICATION

PRELIMINARY



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
- 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(L837-1X1T-47), AND DATE CODE.

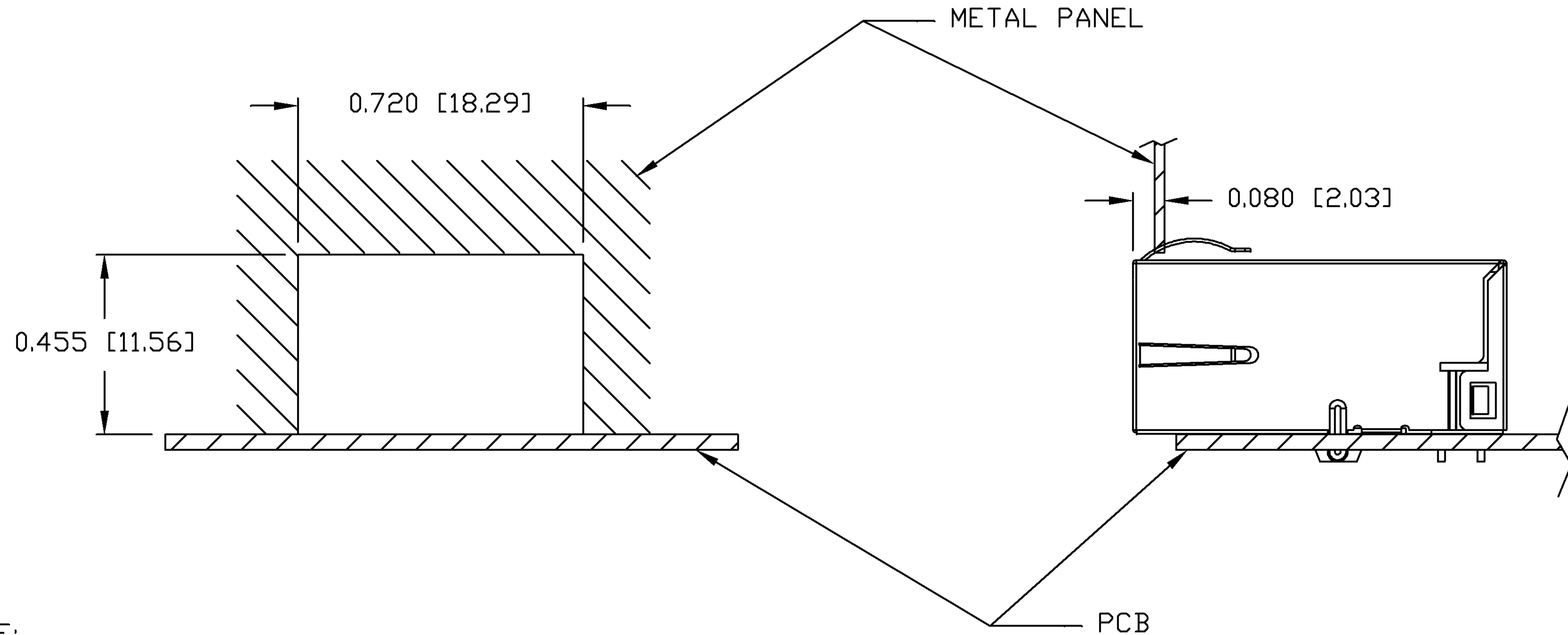
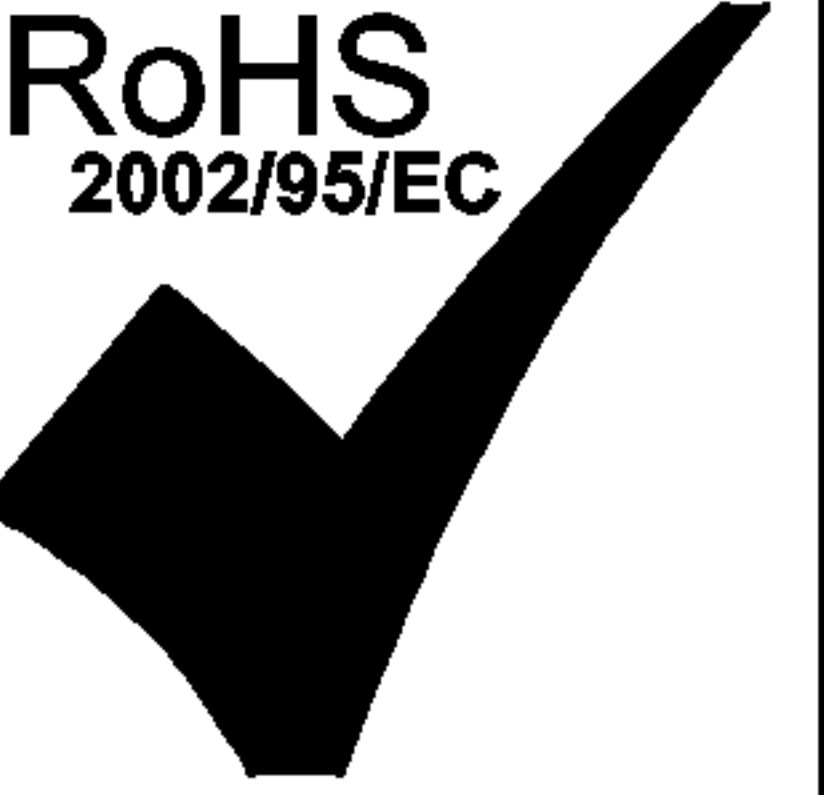
- 1. UL US UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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DRAWN BY CHEN TING	DATE 04-23-08		FILE NAME L837-1X1T-47_PA.DWG	.X	UNIT : INCH [mm]		REV. : PA
				.XX	SCALE : N/A		SIZE : A4
			.XXX	±0.010		PAGE : 3	

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SUGGESTED PANEL OPENING

PRELIMINARY



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.

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)

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				.XX	SCALE : N/A		SIZE : A4
				.XXX ±0.004		PAGE : 4	