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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 11	PIN 12	COLOR
+	-	GREEN	+	-	GREEN

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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS(0°C - 70°C)	350µH MIN.

INS. LOSS

100KHz-100MHz	-1.2 dB MAX

RET. LOSS (MIN) @ 100OHMS ±15%

0.1MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CROSS TALK

1MHz-30MHz	-35 dB MIN
30MHz-80MHz	-24 dB MIN
80MHz-100MHz	-25 dB MIN

CM TO CM REJ

100KHz-100MHz	-30 dB MIN

CM TO DM REJ

100KHz-100MHz	-35 dB MIN

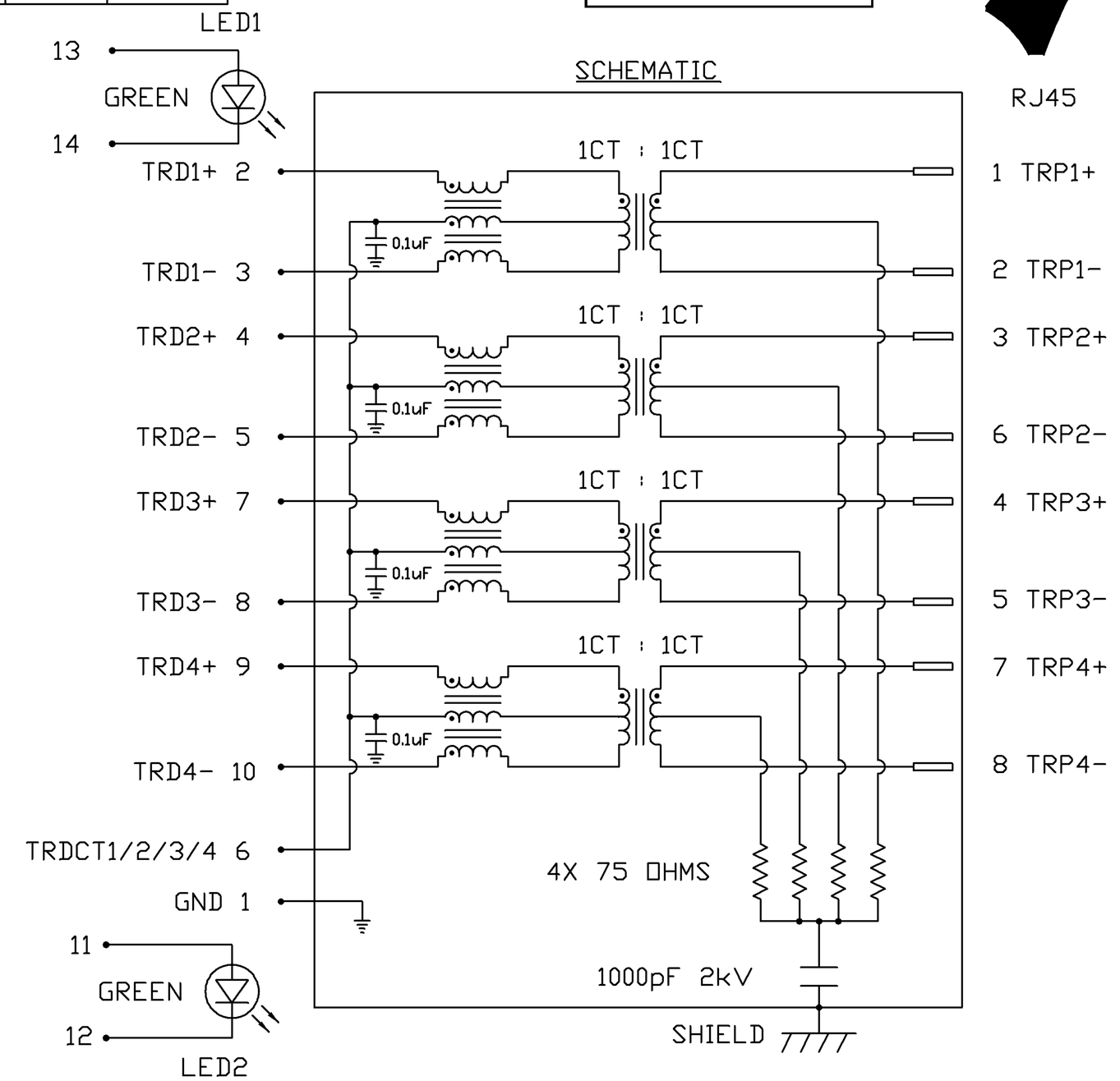
HIPOT (Isolation Voltage): 1500 Vrms

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

LED 1 & 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	04-10-08	1X1 gigabit MagJack® (WITH LED)	0875-1G1T-EB	.X	UNIT : INCH [mm] / REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A / SIZE : A4
DENG PING	04-10-08		0875-1G1T-EB_PA.DWG	.XXX	PAGE : 2

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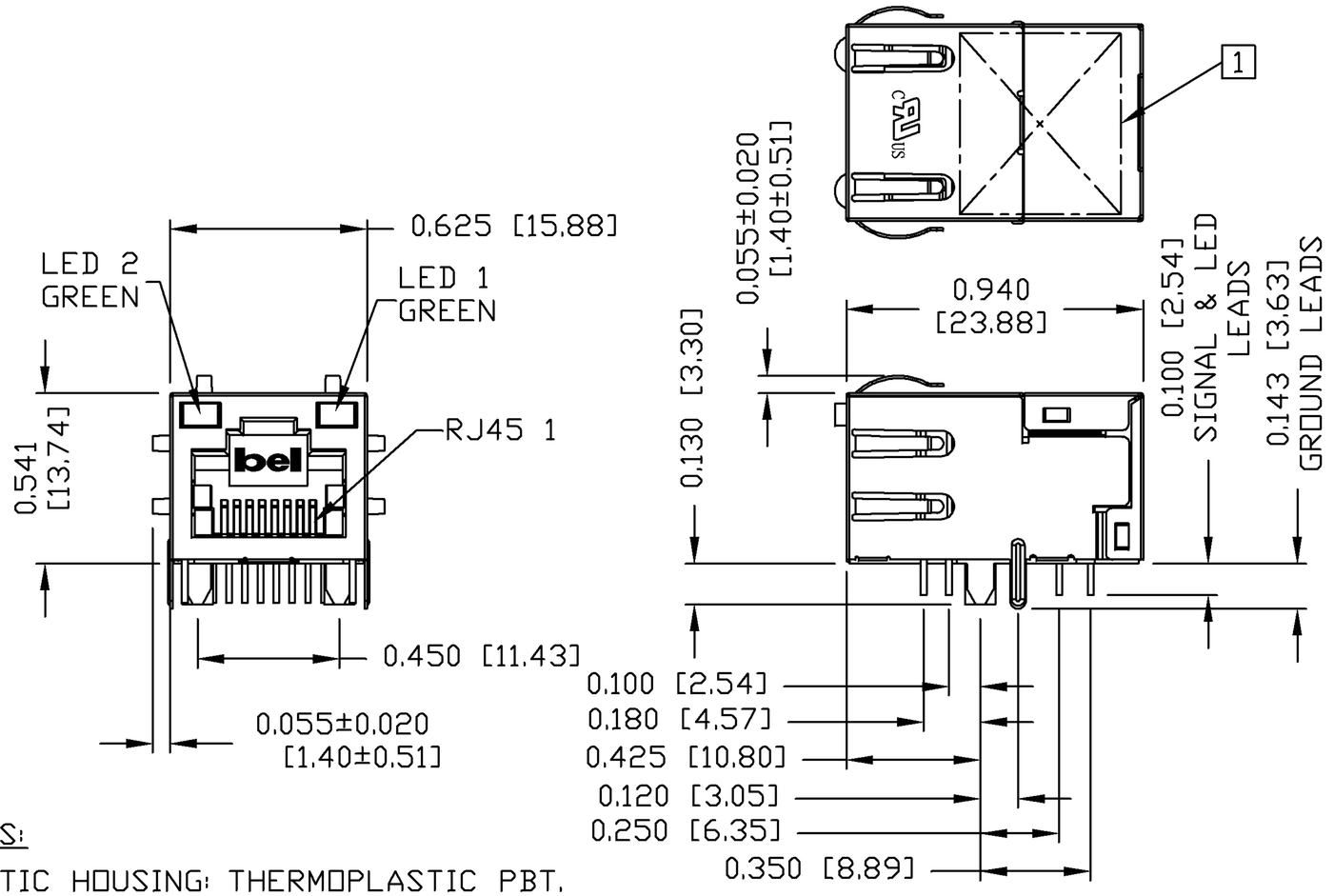
Please read our datasheet & drawing disclaimer here.

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MECHANICAL SPECIFICATION

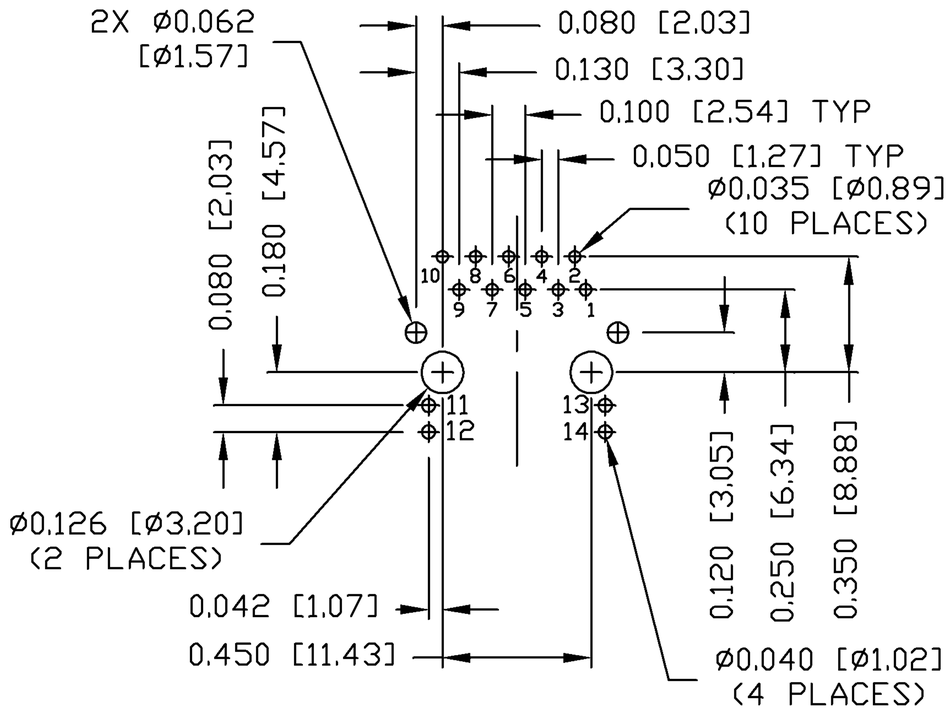
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT.
FLAMMABILITY RATING UL 94V-0
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: LEAD FREE COPPER WIRES, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
BILL CHEN	04-10-08	1X1 gigabit MagJack® (WITH LED)	0875-1G1T-EB	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
ZX HUANG	04-10-08		0875-1G1T-EB_PA.DWG	.XXX	±0.010		PAGE : 3

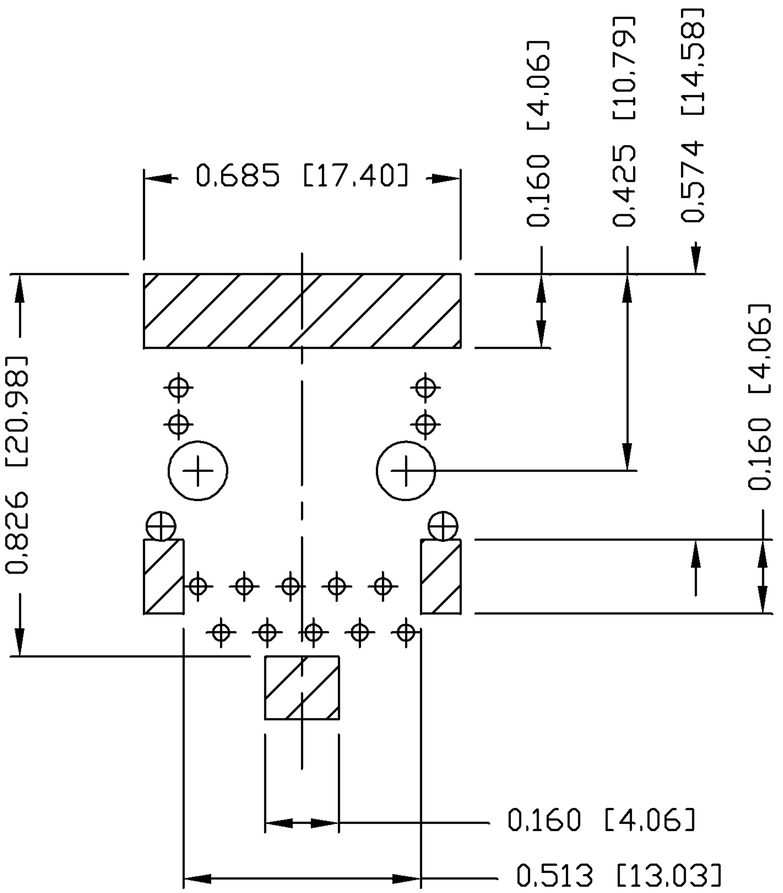
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NOTE;

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

ORIGINATED BY: BILL CHEN	DATE: 04-10-08	TITLE: 1X1 gigabit MagJack® (WITH LED)	PART NO. / DRAWING NO.: 0875-1G1T-EB	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: ZX HUANG	DATE: 04-10-08		FILE NAME: 0875-1G1T-EB_PA.DWG		UNIT : INCH [mm] / REV. : PA
					SCALE : N/A / SIZE : A4
					PAGE : 4

bel COMPONENTS FOR A CONNECTED PLANET

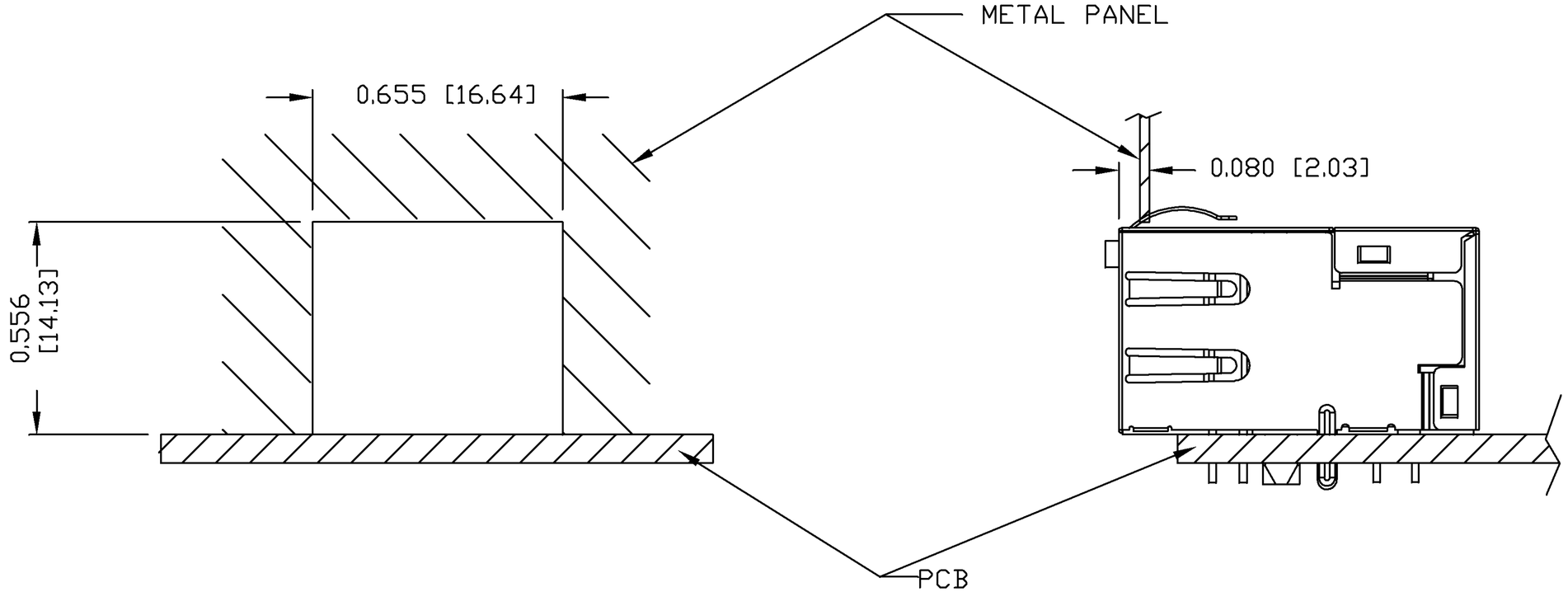
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PRELIMINARY

SUGGESTED PANEL OPENING



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.

PACKING INFORMATION

PACKING TRAY : 0200-9999-H7 (TOP)
0200-9999-H8 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
10 TRAYS (600 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
BILL CHEN	04-10-08	1X1 gigabit MagJack® (WITH LED)	0875-1G1T-EB	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
ZX HUANG	04-10-08		0875-1G1T-EB_PA.DWG	.XXX	±0.004		PAGE : 5

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