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LED1 POLARITY			LED2 POLARITY			
PIN 11	PIN 12	COLOR	PIN 15	PIN 14	PIN 13	COLOR
-	+	YELLOW	-	+	/	ORANGE
/	/	/	/	+	-	GREEN
/	/	/	-	+	-	MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

□CL @ 100kHz/100mVRMS
8mA DC BIAS 350µH MIN.

INS. LOSS
1MHz TO 100MHz -1.2 dB MAX

RET. LOSS (MIN) @ 100ΩHMS ±15%
0.5MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(f/80MHz) dB

Cross Talk
Ch1-Ch2, Ch2-Ch3, Ch3-Ch4, Ch4-Ch1, Ch2-Ch4, Ch3-Ch1
1MHz - 30MHz -35dB MIN
30MHz - 80MHz -24dB MIN
80MHz - 100MHz -25dB MIN

CM TO CM REJ
100kHz - 100MHz -30 dB MIN

CM TO DM REJ
100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms or 2250 VDC
100% OF PRODUCT TESTED IN PRODUCTION

LED 1
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

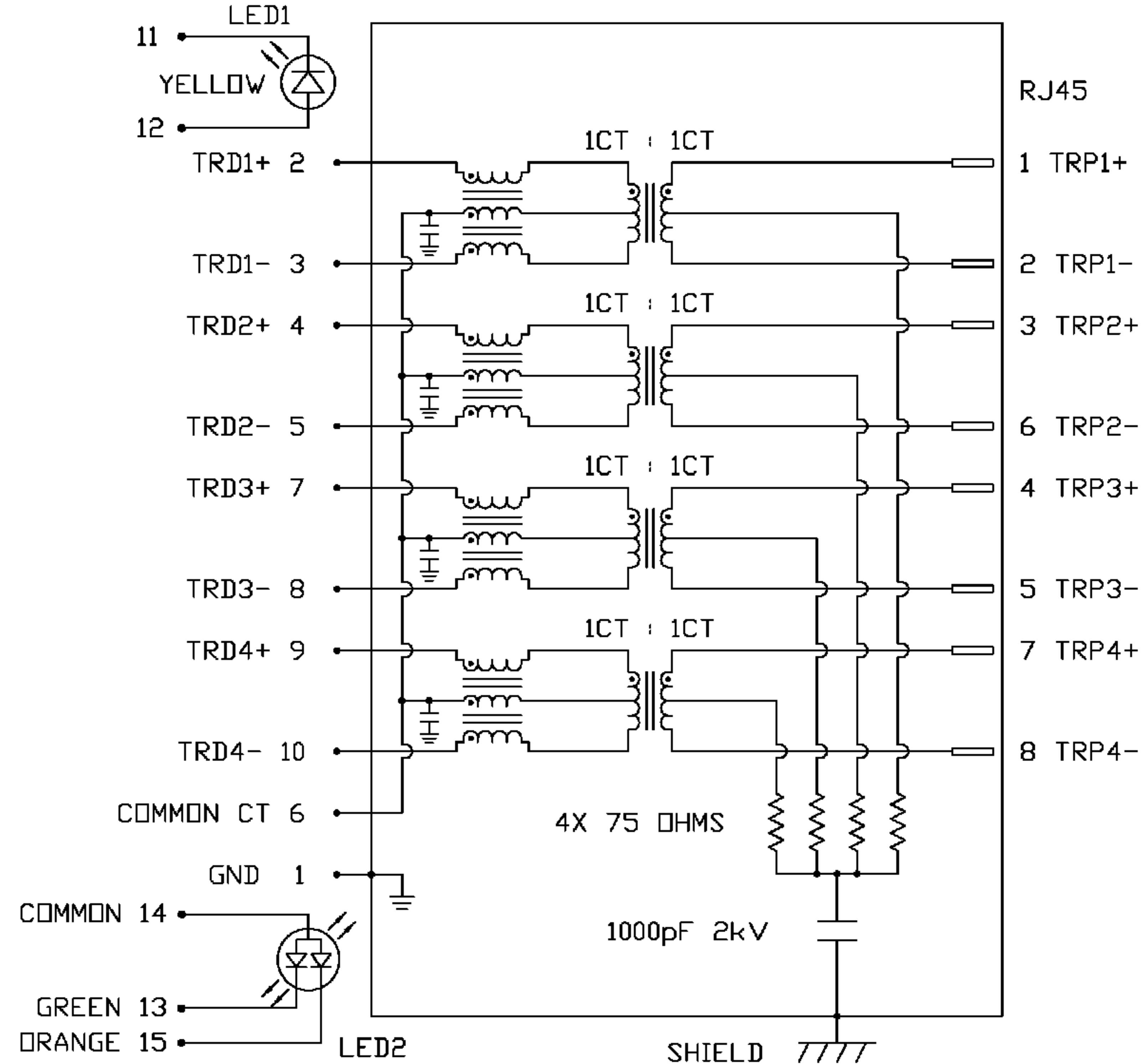
LED 2
VF (FORWARD VOLTAGE) IF=20mA YELLOW GREEN 2.2V TYP.
AMBER 2.1V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA YELLOW GREEN 570nm TYP.
AMBER 607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.

USB ELECTRICAL:

INSULATION RESISTANCE: 1000 MEGA Ω (MIN)
CONTACT RESISTANCE: 25 MILLI Ω (MAX)
DIELECTRIC WITHSTANDING: 750 VAC

SCHEMATIC

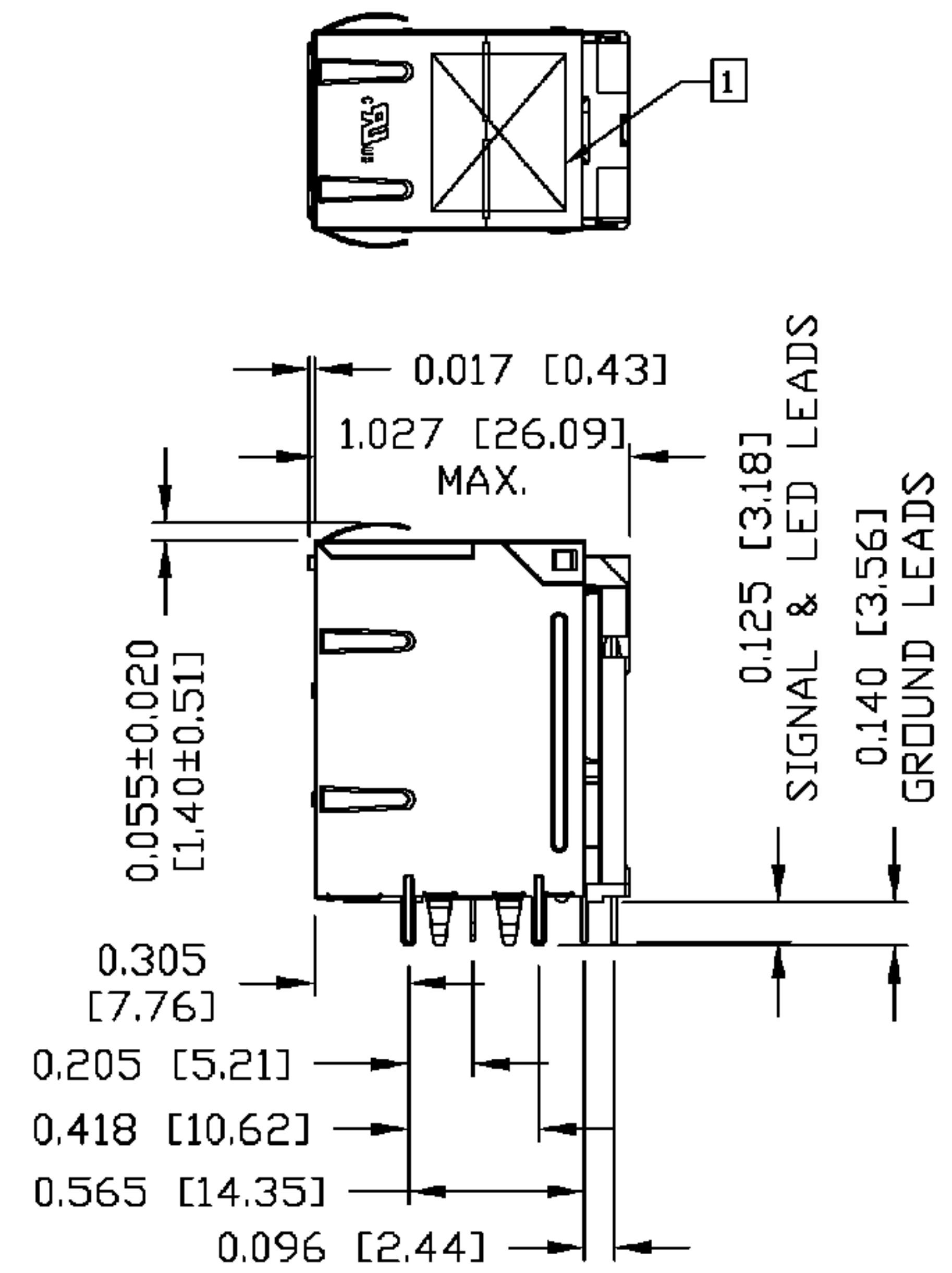
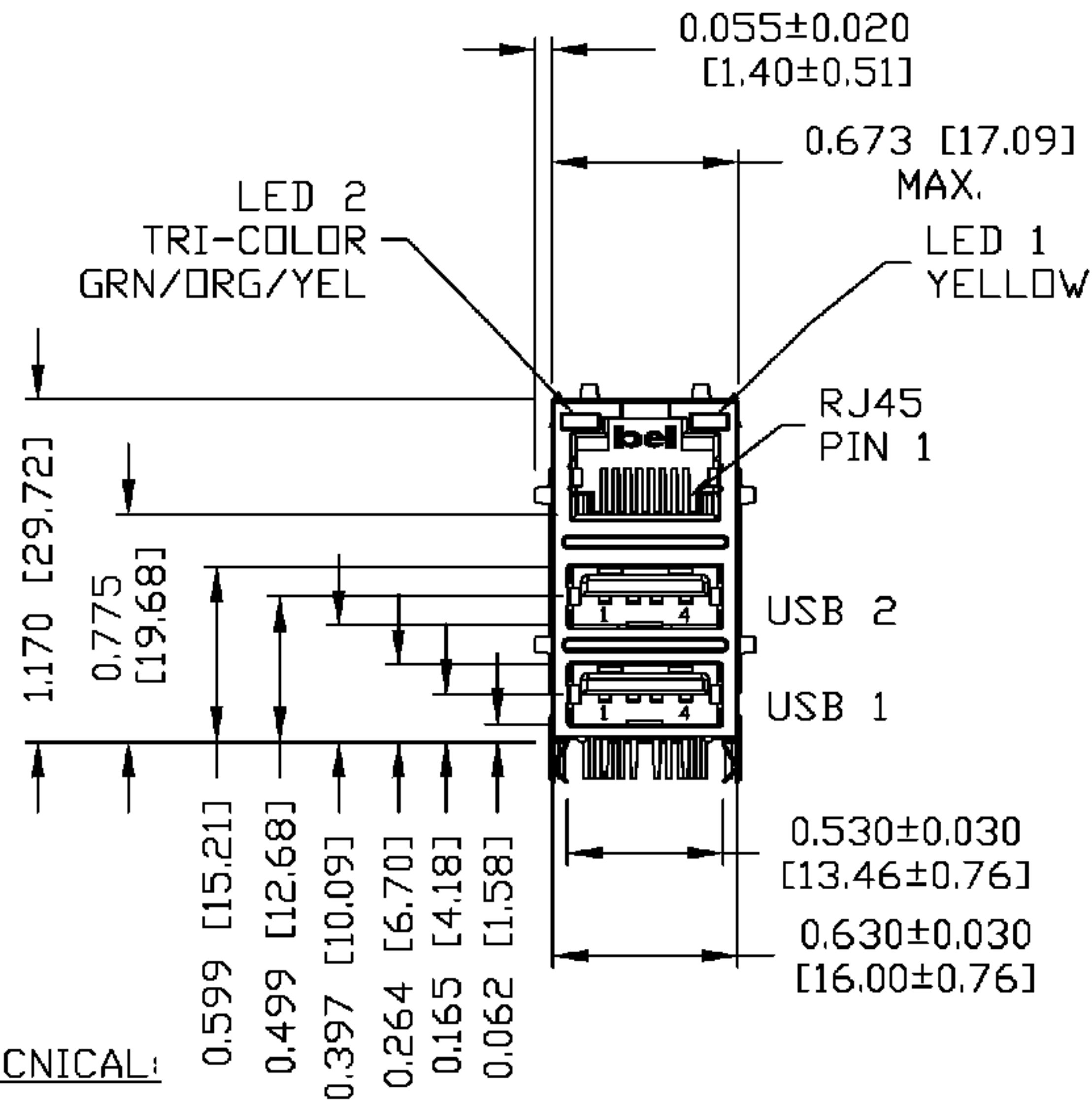


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHUNG	08-13-05	gigabit MagJack® Combo (Dual Stuff Option, 8 cores)	08621J1T43-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	08-13-05	0862-1J1T-43-F	08621J1T43-FA.DWG	.XXX	PAGE : 2



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MECHANICAL SPECIFICATION



RJ45 MECHCNICAL:

PLASTIC HOUSING: THERMOPLASTIC PBT
 FLAMMABILITY RATING UL 94V-0
 CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING
 PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

USB MECHANICAL:

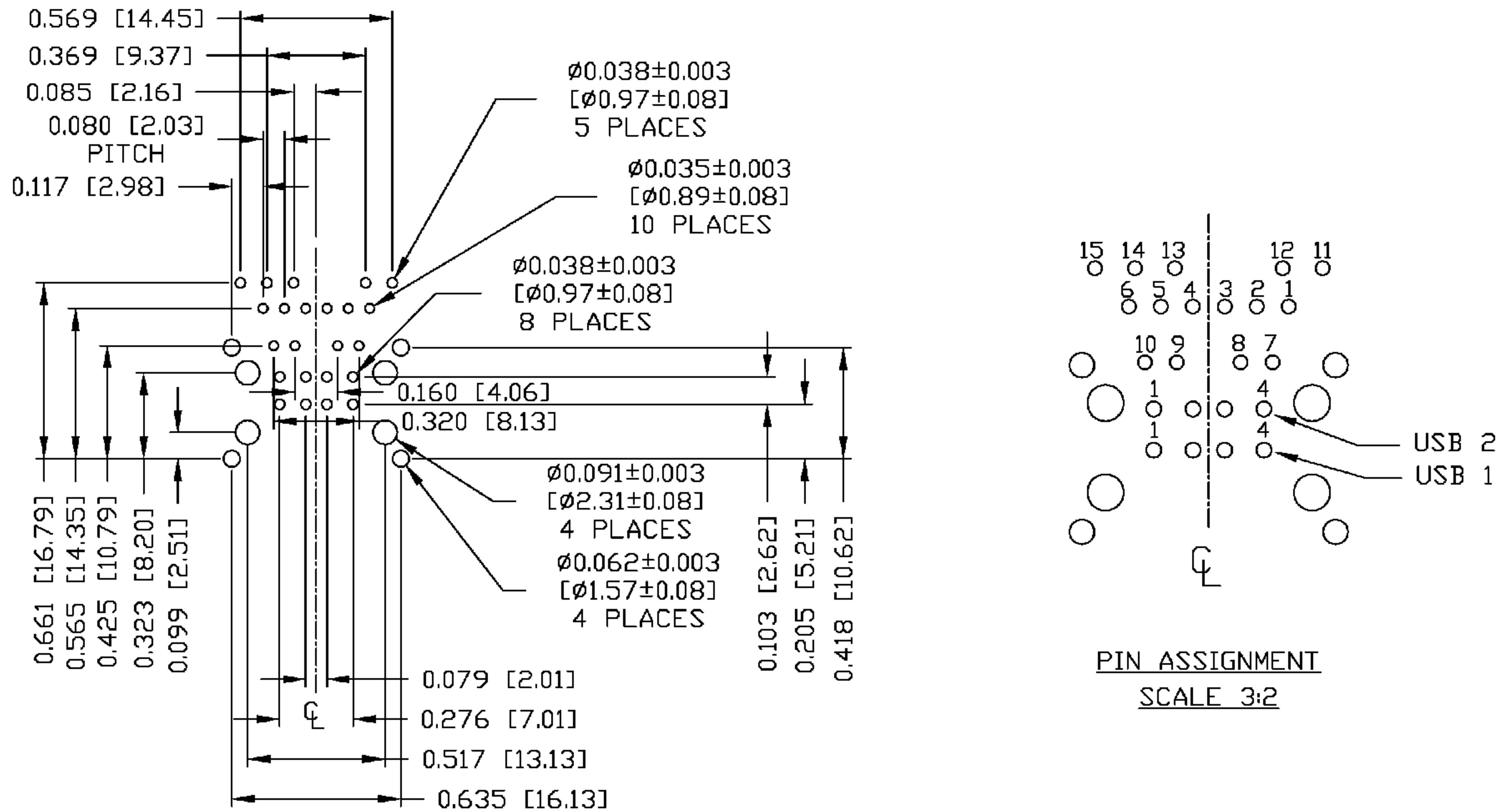
MATING FORCE: 35 NEWTONS MAXIMUM
 UNMATING FORCE: 10 NEWTONS MINIMUM
 CONTACT: PROSPHER BRONZE,
 30 MICRO-INCH GOLD PLATING
 ON CONTACT AREA AND LEAD-FREE
 TIN ON SOLDER TAIL.

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL/KEUNG	08-13-05	gigabit MagJack® Combo (Dual Stuff Option, 8 cores)	08621J1T43-F	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
QIN	08-13-05	0862-1J1T-43-F	08621J1T43-FA.DWG	.XXX ±0.010	PAGE : 3



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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

PIN ASSIGNMENT
SCALE 3:2

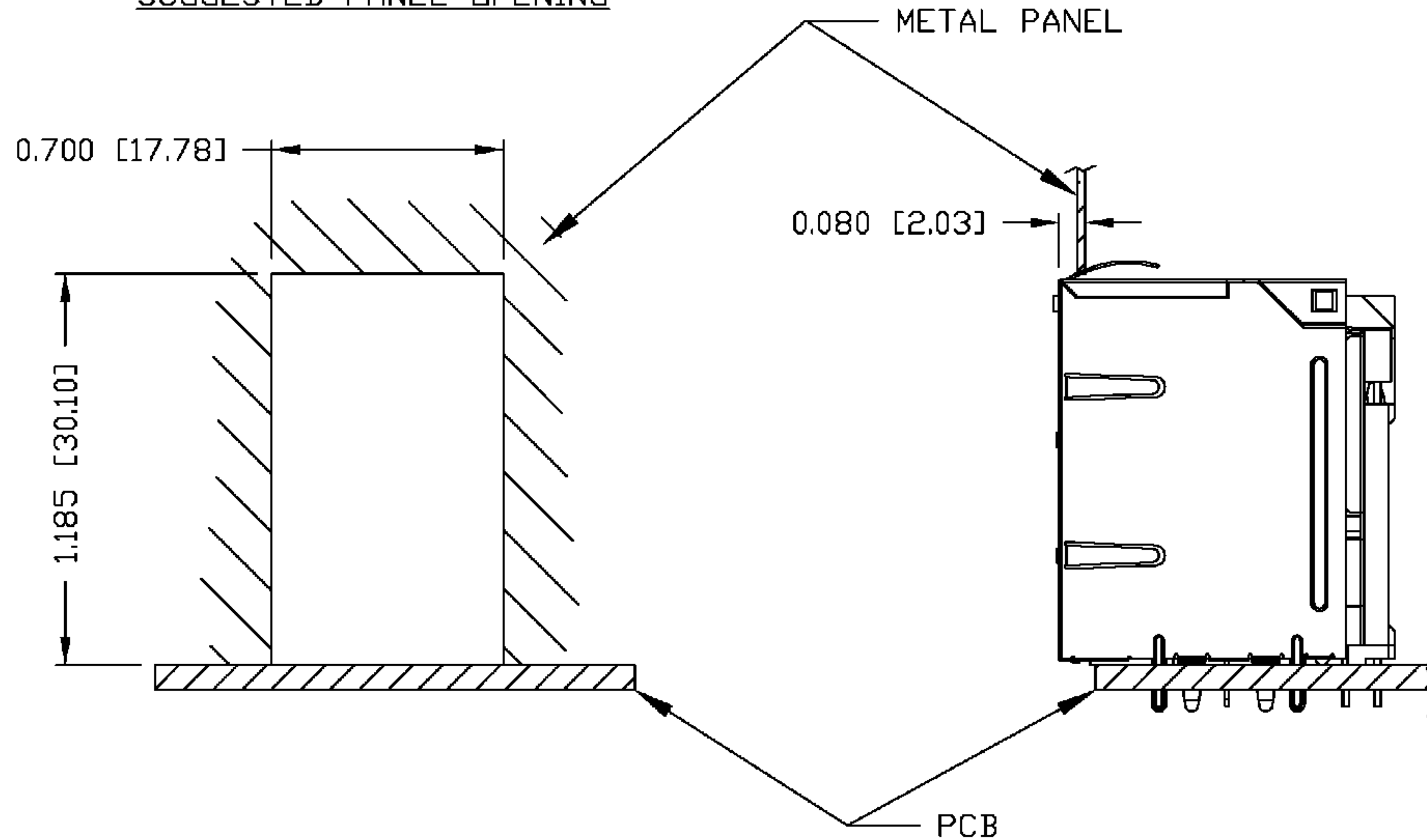
ORIGINATED BY BILL/KEUNG	DATE 08-13-05	TITLE gigabit MagJack® Combo (Dual Stuff Option, 8 cores)	PART NO. / DRAWING NO. 08621J1T43-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY QIN	DATE 08-13-05		FILE NAME 08621J1T43-FA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : A SIZE : A4 PAGE : 4



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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-A3

PACKING QUANTITY : 42 PCS FINISHED GOODS PER TRAY

10 TRAYS (420PCS 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 BILL/KEUNG	DATE 08-13-05	TITLE gigabit MagJack® Combo (Dual Stuff Option, 8 cores)	PART NO. / DRAWING NO. 08621J1T43-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : A	
DRAWN BY QIN	DATE 08-13-05	0862-1J1T-43-F	FILE NAME 08621J1T43-FA.DWG	.XX		SCALE : N/A	SIZE : A4	PAGE : 5
				.XXX	±0.005			