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ELECTRICAL CHARACTERISTICS @ 25°C

**TURNS RATIO**
- TP1: 1:1 CT 42X
- TP2: 1:1 CT 42X
- TP3: 1:1 CT 42X
- TP4: 1:1 CT 42X

**DCL @ 100kHz/100mVRMS**
- < 40°C: 0.05% ±0.05°C: 100 ±0.05 μA MAX
  - 19±A TP MAX (-40°C to +85°C)

**INS. LOSS**
- 1MHz TO 150MHz: -0.004(fMHz)-0.4 dB MAX

**RET. LOSS**
- 1MHz-40MHz: -20 dB MIN
- 40MHz-150MHz: 20+15dB(f/40MHz) dB MIN

**CROSSTALK**
- 1MHz - 40MHz: -35 dB MIN
- 40MHz-150MHz: -35+15dB(f/40MHz) dB MIN

**CM TO CM REJ**
- 1MHz - 150MHz: -25 dB MIN

**HIPOT (Isolation Voltage)**
- 2250 VDC

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

NOTE: PORT-TO-PORT ISOLATION NOT INCLUDED.

**BALANCED DC LINE CURRENT**
- 600mA MAX, CONTINUOUS
- 120 mA MAX FOR 200 MILISECONDS

**LED 1, 2, 3 & 4**
- **VF (FORWARD VOLTAGE)** IF=20mA: GREEN 2.2V TYP.
- **DOMINANT WAVELENGTH** IF=20mA: GREEN 570nm TYP.
- **OPERATING TEMPERATURE** -40°C TO +85°C.

**LED 1 & 3**
- GREEN

**LED 2 & 4**
- GREEN

**PART NO.**
0895-2G4J-JDE

**DRAWN BY**
TANG YUAN
DATE 2022-11-24

**FILE NAME**
0895-2G4J-JDE_J.DWG

**DATE**
2022-11-24
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PRELIMINARY

NOTES:

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68. SUBMART III.

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHEILD: NICKEL PLATED ON COPPER ALLOY.
(CALL GROUND LEADS ARE SOLDER DIPPED)

[Port 2]
PORT 2
LED 2 GREEN
RJ45 1

[Port 8]
PORT 8
LED 1 GREEN
RJ45 1

PORT 1
0.423 [10.74]
0.185 [4.70]

0.593 [15.06]
0.810 [20.56] TYPICAL

BACK VIEW

MARK PART WITH MFG LUQO, PART NUMBER, DATE CODE, MFG NAME AND PATENTED.

2. THE PRODUCT IS RoHS COMPLIANT.

UL RECOGNIZED - FILE #E196366 AND E169987.

4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,040,017 AND U.S. PAT. 7,210,117.

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

REV.: 1

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Preliminary

Pitch
0.500 [12.70]
0.355 [9.02]
0.300 [12.71]
0.160 [4.06]

0.290 [7.37]
0.290 [7.37] REF.
0.110 [2.79]
0.110 [2.79] REF.

R0.030 [0.076] REF.
1.015 [25.76]

SFF T1F1A1 A
2.100 [53.34]

\( \phi 0.062 [\phi 0.57] \)
9 places

\( \phi 0.033 \pm 0.005 [\phi 0.89 \pm 0.13] \)
10 places for signal pins

\( \phi 0.128 [\phi 3.25] \)
2 places

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

Suggested Footprint

Component Side View

Part No. / Drawing No.
0895-2G4J-JDE

Standard Dim. Tol. in Inch
1 / Metric Dim. As Ref.

FILE NAME
0895-2G4J-JDE_JDE

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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-G2 (TOP)
0200-9999-G3 (BOTTOM)
PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY
5 TRAYS (100 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. : 1 PAGE : 7

ORIGINATED BY
L1 QUANKUN
DATE 2022-11-24

DRAWN BY
OLIVER ZHANG
DATE 2022-11-24

PART NO. / DRAWING NO. 0895-2G4J-JDE
STANDARD DIM. TOL. IN INCH
FILE NAME 0895-2G4J-JUL_1.UWG
UNIT : INCH (mm)
SCALE : N/A
SIZE : A4

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