ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
TP1 1CT : 1CT
TP2 1CT : 1CT
TP3 1CT : 1CT
TP4 1CT : 1CT

INS. LOSS (MAX)
1MHz to 20MHz  -0.8 dB
50MHz  -1.2 dB
200MHz  -2.0 dB
400MHz  -3.0 dB

RET. LOSS (MIN) @ 100 OHMS
1MHz < f < 400MHz  16 dB MIN
400MHz < f < 4000MHz  16-10LOG(f/400MHz) dB
4000MHz < f < 5000MHz  6-30LOG(f/4000MHz) dB

CM TO CM REJ
1MHz - 500MHz  -25 dB MIN

CM TO DM REJ
1MHz - 500MHz  -30 dB MIN

HIPOT (Isolation Voltage) 2250VDC

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

OPERATING TEMPERATURE: -40°C TO +85°C.
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NOTES:

PLASTIC HOUSING: THERMOPLASTIC LCP, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: NICKEL PLATED ON COPPER ALLOY PRESS FIT PINS
METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.
3. THE PRODUCT IS RoHS COMPLIANT.

UL RECOGNIZED - FILE #E169987.


5. THE FINISHED GOODS IS WITHOUT SMD LED. THE SMD LED IS PROVIDED BY CUSTOMER HERSELF. AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.
6. RECOMMENDED MINIMUM CUSTOMER PCB THICKNESS IS 0.080 INCH.

<table>
<thead>
<tr>
<th>ORIGINATED BY</th>
<th>SANDY LIN</th>
<th>DATE</th>
<th>2021-05-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRAWN BY</td>
<td>RUAN WENJUN</td>
<td>DATE</td>
<td>2021-05-24</td>
</tr>
</tbody>
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PART NO / DRAWING NO. | G18-B8NV-010B

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

FILE NAME | G18-B8NV-010B_1.DWG

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

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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</tbody>
</table>

10 TRD4+
9 TRCT3
8 TRD3−
7 TRD3+
6 TRCT2
5 TRD2−
4 TRD2+
3 TRCT1
2 TRD1− 12 TRCT4
1 TRD1+ 11 TRD4−

3.190 [81.03]
0.105 [2.67]
0.122 [3.10]

1.673 [42.49]
1.564 [39.73]
0.554 [14.07]
0.465 [11.80]

3.490 [88.65]
0.145 [3.68]

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FINISHED HOLE DIAMETER
COPPER PLATING
TOP PLATING
DRILLED HOLE DIAMETER

PLATED-THROUGH-HOLE CROSS-SECTION

<table>
<thead>
<tr>
<th>PLATING</th>
<th>THICKNESS IN MICRO-INCHES [MICRONS]</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPPER</td>
<td>1000-2000 [25-50]</td>
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<tr>
<td>TOP PLATING - USE ONE OPTION LISTED BELOW:</td>
<td></td>
</tr>
<tr>
<td>HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn-Pb)</td>
<td>160-400 [4-10]</td>
</tr>
<tr>
<td>IMMERSION TIN (Sn)</td>
<td>20-40 [0.5-1.0]</td>
</tr>
<tr>
<td>ORGANIC SOLDERABILITY PRESERVATIVE (OSP)</td>
<td>10-20 [0.2-0.5]</td>
</tr>
<tr>
<td>IMMERSION GOLD (Au) OVER NICKEL (NP) (ENIG)</td>
<td>5-20 [0.1-0.5]</td>
</tr>
<tr>
<td>TIN-LEAD (Sn-Pb)</td>
<td>400-1000 [10-25]</td>
</tr>
<tr>
<td>IMMERSION SILVER (Ag)</td>
<td>5-8 [0.1-0.15]</td>
</tr>
</tbody>
</table>

RECOMMENDED PLATED-THROUGH-HOLE CONSTRUCTION DETAILS FOR PRESS-FIT PINS

PART NO. / DRAWING NO.  G18-B8NV-010B
STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.
FILE NAME  G18-B8NV-010B_1.DWG
XX SCALE : N/A
XXX 0.005 SIZE : A4

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NOTES:
1. 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.
2. RECOMMENDED COMPRESSION OF THE FLEXIBLE GASKET MATERIAL OF 25%.
3. RECOMMENDED FLEXIBLE GASKET THICKNESS BEFORE COMPRESSION IS 0.103 INCH.

PACKING INFORMATION

PACKING TRAY : 0200M9999-M5 (TOP)
0200M9999-M4 (BOTTOM)

PACKING QUANTITY : 9 PCS FINISHED GOODS PER TRAY.
7 TRAYS (63 PCS FINISHED GOODS) PER CARTON BOX.

REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)