In case of consideration for using Automotive equipment/device which demand high reliability, kindly contact our sales window correspondents.

NOTE 1. ALL LEAD CO-PLANARITY SHALL BE 0.05mm MAX.
2. CONTACT PLATING SPECIFICATIONS
   - CONTACT AREA = GOLD 0.05µm MIN
   - SWH (LEAD) = GOLD 0.05µm MIN
   - UNDER PLATING = NICKEL 1µm MIN
   - SURFACE SEALING
3. CAVITY ARE INDICATED IN APPROX POSITION SHOWN.
4. A PART OF THE WALL COULD BE NOTCHED.
5. GENT EXISTS IN THE INDICATED AREA FOR MANUFACTURING CONVENIENCE.

ENGAGEMENT FIGURE (50:1)

SIGNAL CONTACT

POWER CONTACT
In case of consideration for using Automotive equipment/device which demand high reliability, kindly contact our sales window correspondents.

**RECOMMENDED PCB LAYOUT**

**RECOMMENDED METAL MASK DIMENSIONS**

- Metal mask thickness: 80μm

---

**RECOMMENDED REFLOW TEMPERATURE PROFILE USING LEAD-FREE SOLDER PASTE.**

- Reflow method: N/Reflow
- Number of reflow cycles: 2 cycles max.
- 1) Reflow time: Duration above 220°C, 60 sec max.
- Peak temperature > 250°C Max.
- 2) Pre-heat time:
  - Pre-heat temperature (min): 150°C
  - Pre-heat temperature (max): 100°C
  - Pre-heat time: 90-120 sec.

This temperature profile is per the conditions shown above. Additional factors, such as solder paste type, PCB size and other mounted components could affect the profile. Therefore, a thorough evaluation of mounting conditions is required prior to production. Temperature is measured at contact lead.

Please contact us in case you will make different settings from our recommendation.

- This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.
- This product comply with RoHS.
EMBOSS CARRIER TAPE PACKAGING (5:1)

STYLE AND DIMENSION OF REEL (FREE)

BAR-CODE LABEL

D - D (5:1)

HOLE FOR BAR-CODE

1.5 SPROCKET

C - C (5:1)

DIRECTION OF UNREELING

(2,31)

E (10:1)

DETAIL OF PART NO. LABEL

10. PER REEL 20,000 CONNECTORS.

11. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.

12. REFER TO JIS C 8006, IEC-60286-3 (PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING)