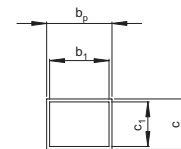
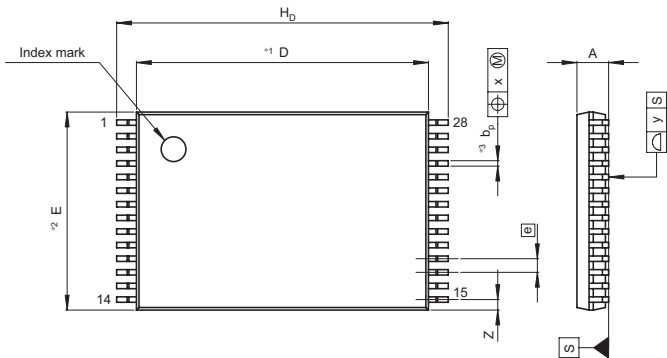
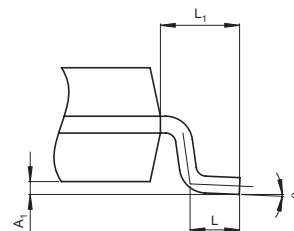


| | | | |
|-------------------------|--------------|--------------------|------------|
| JEITA Package Code | RENESAS Code | Previous Code | MASS[Typ.] |
| P-TSOP(1)28-8x11.8-0.55 | PTSA0028ZB-A | TFP-28DB/TFP-28DBV | 0.23g |

NOTE)
 1. DIMENSION*1*AND*2(Nom)*
 DO NOT INCLUDE MOLD FLASH.
 2. DIMENSION*3*DOES NOT
 INCLUDE TRIM OFFSET.



Terminal cross section



Detail F

| Reference Symbol | Dimension in Millimeters | | |
|------------------|--------------------------|-------|-------|
| | Min | Nom | Max |
| D | — | 11.80 | — |
| E | — | 8.00 | 8.20 |
| A ₂ | — | — | — |
| A ₁ | 0.05 | 0.13 | 0.20 |
| A | — | — | 1.20 |
| b _p | 0.14 | 0.22 | 0.30 |
| b ₁ | — | 0.20 | — |
| c | 0.12 | 0.17 | 0.22 |
| c ₁ | — | 0.15 | — |
| θ | 0° | — | 5° |
| H _D | 13.10 | 13.40 | 13.70 |
| e | — | 0.55 | — |
| x | — | — | 0.10 |
| y | — | — | 0.10 |
| Z | — | — | 0.45 |
| L | 0.40 | 0.50 | 0.60 |
| L ₁ | — | 0.80 | — |