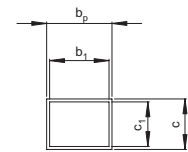
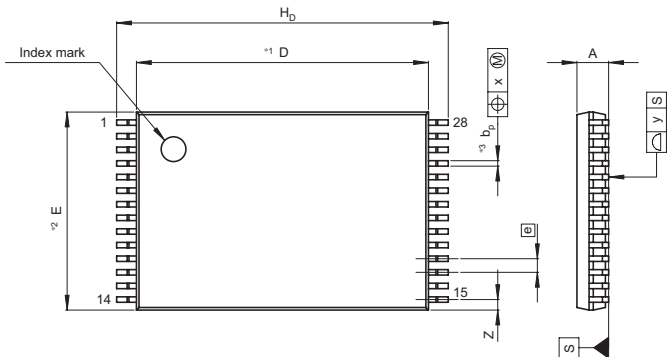
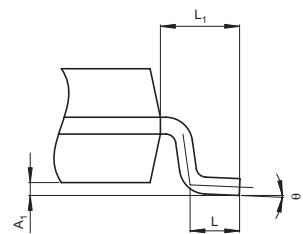
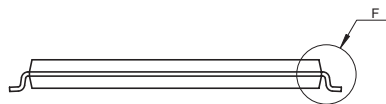


JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-TSOP(1)28-8x11.8-0.55	PTSA0028ZB-A	TFP-28DB/TFP-28DBV	0.23g

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 <sub>2</sub>	—	—	—
A <sub>1</sub>	0.05	0.13	0.20
A	—	—	1.20
b <sub>p</sub>	0.14	0.22	0.30
b <sub>1</sub>	—	0.20	—
c	0.12	0.17	0.22
c <sub>1</sub>	—	0.15	—
θ	0°	—	5°
H <sub>D</sub>	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 <sub>1</sub>	—	0.80	—