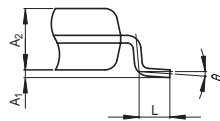
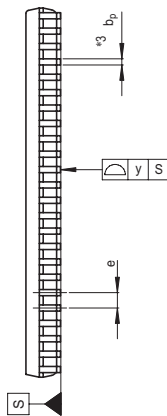
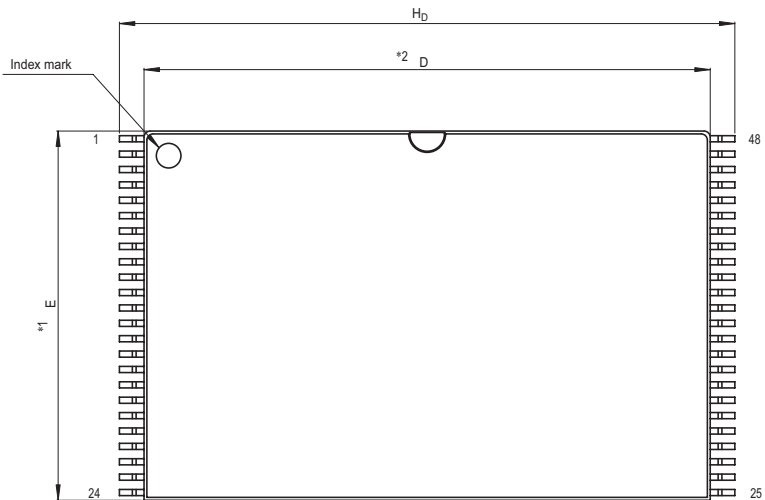


JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
P-TSOP(1)48-12x18.4-0.50	PTSA0048KA-A	48P3R-B	0.5g



Detail F

- NOTE)
1. DIMENSIONS $*1$ AND $*2$ DO NOT INCLUDE MOLD FLASH.
 2. DIMENSION $*3$ DOES NOT INCLUDE TRIM OFFSET.

Reference Symbol	Dimension in Millimeters		
	Min	Nom	Max
D	18.3	18.4	18.5
E	11.9	12.0	12.1
A_2	—	1.0	—
H_D	19.8	20.0	20.2
A	—	—	1.2
A_1	0.05	0.125	0.2
b_p	0.15	0.2	0.3
c	0.105	0.125	0.175
θ	0°	—	10°
e	0.4	0.5	0.6
y	—	—	0.10
L	0.4	0.5	0.6