

JEITA Package Code  
P-HTFQFP176-20x20-0.40

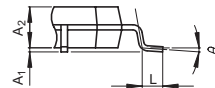
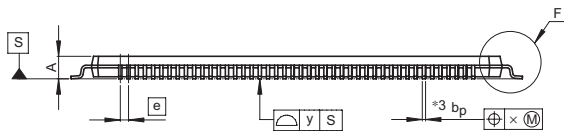
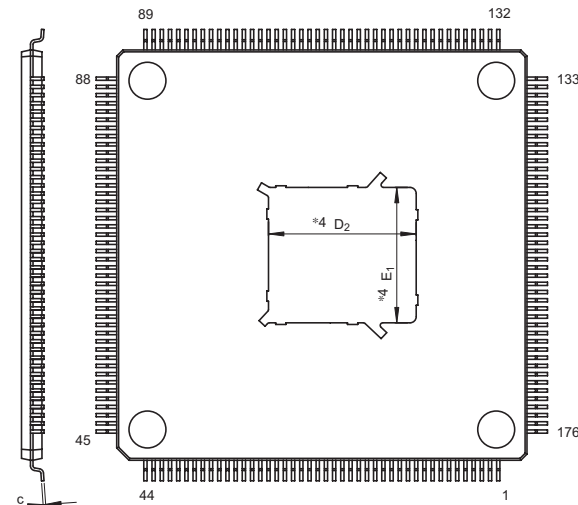
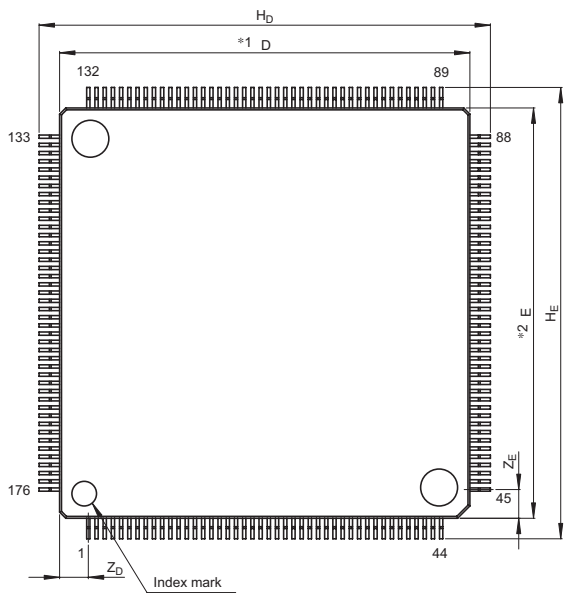
RENESAS Code  
PTQP0176LC-A

Previous Code  
176PFV-A

MASS[Typ.]  
1.0g

NOTE)

1. DIMENSIONS \*#1" AND \*#2" DO NOT INCLUDE MOLD FLASH.
2. DIMENSION \*#3" DOES NOT INCLUDE TRIM OFFSET.
3. \*#4 THERE ARE SOME VARIATIONS FOR D2/E1.



Detail F

| Reference Symbol | Dimension in Millimeters |       |      |
|------------------|--------------------------|-------|------|
|                  | Min                      | Nom   | Max  |
| D                | 19.9                     | 20.0  | 20.1 |
| E                | 19.9                     | 20.0  | 20.1 |
| A <sub>2</sub>   | —                        | 1.0   | —    |
| H <sub>D</sub>   | 21.8                     | 22.0  | 22.2 |
| H <sub>E</sub>   | 21.8                     | 22.0  | 22.2 |
| A                | —                        | —     | 1.2  |
| A <sub>1</sub>   | 0.05                     | 0.1   | 0.15 |
| b <sub>p</sub>   | 0.13                     | 0.18  | 0.23 |
| c                | 0.09                     | 0.145 | 0.20 |
| θ                | 0°                       | —     | 8°   |
| Ⓢ                | —                        | 0.4   | —    |
| x                | —                        | —     | 0.07 |
| y                | —                        | —     | 0.10 |
| Z <sub>D</sub>   | —                        | 1.4   | —    |
| Z <sub>E</sub>   | —                        | 1.4   | —    |
| L                | 0.35                     | 0.5   | 0.65 |
| D <sub>2</sub>   | —                        | 7.2   | —    |
| E <sub>1</sub>   | —                        | 6.6   | —    |