# IC FOR TELECOMMUNICATIONS EQUIPMENT

## ■ ICs FOR DATA BANKS

| Model No. | Features | Function | | | | | | Supply voltage (V) | Package |
|---|---|---|---|---|---|---|---|---|---|
| | | Power supply | Display | Auto power off | Secret function | Calculation function | Others | | |
| LI350471 | Memory of 26 persons' names and telephone numbers | Battery | 5 × 5-dot × 12-digit 7-segment × 12-digit | ● | ● | 10-digit 1 memory | 3 modes (telephone, memo, calculator) | 2.5 to 3.4 | 80QFP |
| LI350361 | Memory of 60 persons' names and telephone numbers | Battery | 5 × 5-dot × 12-digit 7-segment × 12-digit | ● | ● | 10-digit 1 memory | 4 modes (telephone, memo, clock, calculator) | 2.5 to 3.4 | 100QFP |
| LI350941 | Memory of 98 persons' names and telephone numbers | Battery | 5 × 7-dot × 12-digit 7-segment × 12-digit | ● | ● | 10-digit 1 memory | 5 modes (telephone, memo, scheduler, clock, calculator) | 2.5 to 3.4 | 100QFP |
| SM3503 | Microcomputer for data bank | Battery | 60-segment × 8-common | ● | Built-in clock function, buzzer output, ROM: 6 k × 23-bit, RAM: 1 k × 8-bit | | | 2.5 to 3.4 | 100QFP |
| SM3504 | Microcomputer for data bank | Battery | 60-segment × 8-common | ● | Built-in clock function, buzzer output, ROM: 6 k × 23-bit, RAM: 512 × 8-bit | | | 2.5 to 3.4 | 80QFP |
| SM3507 | Microcomputer for data bank | Battery | 48-segment × 8-common | ● | Built-in clock function, buzzer output, I/O 8-bit ROM: 6 k × 23-bit, RAM: 512 × 8-bit | | | 2.5 to 3.4 | 80QFP |
| SM3511 | Microcomputer for data bank | Battery | 98-segment × 32-common | ● | Built-in carrier wave signal generator for infrared communication ROM: 24 k × 23-bit, RAM: 512 × 8-bit, external memory: 16 M-byte × 4 | | | 3.8 to 6.0 | 208QFP* |
| SM3512 | Microcomputer for data bank | Battery | 60-segment × 9-common | ● | Built-in clock function, buzzer output, I/O 8-bit ROM: 8 k × 23-bit, RAM: 8 k × 8-bit | | | 2.5 to 3.4 | 100QFP |
| SM3513 | Microcomputer for data bank | Battery | 74-segment × 32-common | ● | Built-in carrier wave signal generator for infrared communication ROM: 24 k × 23-bit, RAM: 512 × 8-bit, external memory 16 M-byte × 4 | | | 3.8 to 6.0 | 160QFP* |
| SM3514 | Microcomputer for data bank | Battery | 60-segment × 8-common | ● | Built-in clock function, buzzer output ROM: 8 k × 23-bit, RAM: 512 × 8-bit | | | 2.5 to 3.4 | 100QFP |
| SM3515 | Microcomputer for data bank | Battery | 60-segment × 8-common | ● | Built-in clock function, buzzer output ROM: 12 k × 23-bit, RAM: 512 × 8-bit | | | 2.5 to 3.4 | 100QFP |
| SM3517 | Microcomputer for data bank | Battery | 60-segment × 9-common | ● | Built-in clock function, buzzer output, I/O 8-bit ROM: 8 k × 23-bit, RAM: 2k × 8-bit, external memory 32k-byte | | | 2.5 to 3.4 | 100QFP* |
| SM3518 | Microcomputer for data bank | Battery | 74-segment × 16-common | ● | Built-in carrier wave signal generator for infrared communication ROM: 12 k × 23-bit, RAM: 3k × 8-bit, external memory 1M-byte × 3 | | | 2.7 to 5.5 | 128QFP* |

●: Yes *: Test sample only

## ■ ICs FOR CALCULATORS

| Digit | Model No. | Function | | | | | Supply voltage (V) | Package |
|---|---|---|---|---|---|---|---|---|
| | | Memory | Power supply | Auto power off | Punctuation | Others | | |
| 8 | LI3150/Z | 1 | Ba/SB | ● | — | √‾, % | 1.5 | 40SSOP |
| | LI3151/Z | 1 | Ba/SB | ● | — | GPM, % | 1.5 | 40SSOP |
| | LI3152/Z | 1 | SB | — | — | √‾, % | 1.5 | 40SSOP |
| | LI3154 | 1 | Ba/SB | Pin selectable | ● | √‾, MU key, %, Memory hold | 1.5 | 40SSOP |
| | LI3155 | 1 | Ba/SB | Pin selectable | ● | High-speed type of LI3154 (twice the operation speed) | 1.5 | 40SSOP |
| 10 | LI31692/R | 1 | Ba/SB | Pin selectable | ● | √‾, % | 1.5 | 56QFP |
| | LI31693/R | 1 | Ba/SB | Pin selectable | ● | MU key, % | 1.5 | 56QFP |
| | LI3160 | 1 | SB | — | ● | TAB (A, 0, 2, 3, F), 5/4 function, MU key, ↓(round) | 1.5 | 60QFP |
| 10/12 | LI31683/R | 2 | Ba/SB | ● | ● | TAB(A,0,1,2,3,F), 5/4 function, ↓(round), 00key, 2 key roll over, GT, MU key, √‾, %, →(shift) | 1.5 | 80QFP |
| 14 | LI3184 | 2 | Ba/SB | ● | ● | TAB(A,0,1,2,3,4,6,F), 5/4 function,↓(round), 00key, 2 key roll over, GT, TAX, MU key, √‾, %, →(shift) | 1.5 | 56QFP |

## ■ ICs FOR SCIENTIFIC CALCULATORS*1

| Digit | Model No. | Function | | | | | Supply voltage (V) | Package |
|---|---|---|---|---|---|---|---|---|
| | | Memory | Power supply | Auto power off | Scientific calculation | Others | | |
| 10 | LI3301A/AR | 3 | Ba | ● | 46 | 8-digit mantissa, 2-digit exponents | 3.0 | 48QFP |

●: Yes Ba: Dry battery SB: Solar battery

*1 Commonly known as ESR (Electric Slide Rule)