

Errata/Supplementary document

[Document name]

V850ES/Fx2 User's Manual

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<1> 1.4 Ordering information, V850ES/FG2 is corrected as follow (p. 24)
 μPD703234GC(Ax)-xxx-UEU-AX, PB-free (NiPdAu) is added.
 μPD703235GC(Ax)-xxx-UEU-AX, PB-free (NiPdAu) is added.
 μPD70F3235M2GC(Ax)-UEU-AX, PB-free (NiPdAu) is added.

<< after change >>

V850ES/FG2

| Part Number | Package | Internal Memory | Number of CAN Buffers | Quality Grade | Remark | |
|---------------------------|--|----------------------|---------------------------------|---------------------------------|--------|----------------|
| PD703234GC(A)-xxx-8EA | 100-pin plastic LQFP (fine pitch) (14 14) | 128 KB (Mask ROM) | 32 buffers/ch | Special ^{Note} | | |
| PD703234GC(A1)-xxx-8EA | | | | | | |
| PD703234GC(A2)-xxx-8EA | | | | | | |
| PD703234GC(A)-xxx-UEU-AX | | | | | | PB-free NiPdAu |
| PD703234GC(A1)-xxx-UEU-AX | | | | | | |
| PD703234GC(A2)-xxx-UEU-AX | | | | | | |
| PD703235GC(A)-xxx-8EA | | 256 KB (Mask ROM) | | | | |
| PD703235GC(A1)-xxx-8EA | | | | | | |
| PD703235GC(A2)-xxx-8EA | | | | | | |
| PD703235GC(A)-xxx-UEU-AX | | | | | | PB-free NiPdAu |
| PD703235GC(A1)-xxx-UEU-AX | | | | | | |
| PD703235GC(A2)-xxx-UEU-AX | | | | | | |
| PD70F3234M1GC(A)-8EA | 128 KB (Flash Memory) | | Without power-on clear function | | | |
| PD70F3234M1GC(A1)-8EA | | | | | | |
| PD70F3234M1GC(A2)-8EA | | | | | | |
| PD70F3234M2GC(A)-8EA | | | | With power-on clear function | | |
| PD70F3234M2GC(A1)-8EA | | | | | | |
| PD70F3234M2GC(A2)-8EA | | | | | | |
| PD70F3235M1GC(A)-8EA | 256 KB (Flash Memory) | | Without power-on clear function | | | |
| PD70F3235M1GC(A1)-8EA | | | | | | |
| PD70F3235M1GC(A2)-8EA | | | | | | |
| PD70F3235M2GC(A)-8EA | | | | With power-on clear function | | |
| PD70F3235M2GC(A1)-8EA | | | | | | |
| PD70F3235M2GC(A2)-8EA | | | | | | |
| PD70F3235M2GC(A)-UEU-AX | 384 KB (Flash Memory) | | Without power-on clear function | | | |
| PD70F3235M2GC(A1)-UEU-AX | | | | | | |
| PD70F3235M2GC(A2)-UEU-AX | | | | | | |
| PD70F3236M1GC(A)-8EA | | | | Without power-on clear function | | |
| PD70F3236M1GC(A1)-8EA | | | | | | |
| PD70F3236M1GC(A2)-8EA | | | | | | |
| PD70F3236M2GC(A)-8EA | With power-on clear function | | | | | |
| PD70F3236M2GC(A1)-8EA | | | | | | |
| PD70F3236M2GC(A2)-8EA | | | | | | |
| PD70F3236M2GC(A)-UEU-AX | | | | | | |

Note: The operating ambient temperature of each quality grades is as follows.

(A) : -40 to +85°C, (A1) : -40 to +110°C, (A2) : -40 to +125°C

Remark xxx is ROM code number.

Please refer to "Quality Grades on NEC Semiconductor Devices" (Document No. C11531E) published by NEC Electronics Corporation to know the specification of the quality grade on the device and its recommended applications.

<2> 1.4 Ordering information, V850ES/FF2 is corrected as follow (p. 25)
 μPD703232GK(Ax)-xxx –GAK-AX, PB-free (NiPdAu) is added.
 μPD703233GK(Ax)-xxx –GAK-AX, PB-free (NiPdAu) is added.

<< after change >>

V850ES/FF2

| Part Number | Package | Internal Memory | Number of CAN Buffers | Quality Grade | Remark | |
|---------------------------|---|----------------------|-----------------------|-------------------------|---------------------------------|----------------|
| PD703232GK(A)-xxx-9EU | 80-pin plastic TQFP (fine pitch) (12 12) | 128 KB (Mask ROM) | 32 buffers/ch | Special ^{Note} | | |
| PD703232GK(A1)-xxx-9EU | | | | | | |
| PD703232GK(A2)-xxx-9EU | | | | | | |
| PD703232GK(A)-xxx-GAK-AX | | | | | | PB-free NiPdAu |
| PD703232GK(A1)-xxx-GAK-AX | | | | | | |
| PD703232GK(A2)-xxx-GAK-AX | | | | | | |
| PD703233GK(A)-xxx-9EU | | 256 KB (Mask ROM) | | | | |
| PD703233GK(A1)-xxx-9EU | | | | | | |
| PD703233GK(A2)-xxx-9EU | | | | | | |
| PD703233GK(A)-xxx-GAK-AX | | | | | | PB-free NiPdAu |
| PD703233GK(A1)-xxx-GAK-AX | | | | | | |
| PD703233GK(A2)-xxx-GAK-AX | | | | | | |
| PD70F3232M1GK(A)-9EU | 128 KB (Flash Memory) | | | | Without power-on clear function | |
| PD70F3232M1GK(A1)-9EU | | | | | | |
| PD70F3232M1GK(A2)-9EU | | | | | | |
| PD70F3232M2GK(A)-9EU | | | | | With power-on clear function | |
| PD70F3232M2GK(A1)-9EU | | | | | | |
| PD70F3232M2GK(A2)-9EU | | | | | | |
| PD70F3233M1GK(A)-9EU | 256 KB (Flash Memory) | | | | Without power-on clear function | |
| PD70F3233M1GK(A1)-9EU | | | | | | |
| PD70F3233M1GK(A2)-9EU | | | | | | |
| PD70F3233M2GK(A)-9EU | | | | | With power-on clear function | |
| PD70F3233M2GK(A1)-9EU | | | | | | |
| PD70F3233M2GK(A2)-9EU | | | | | | |

Note: The operating ambient temperature of each quality grades is as follows.

(A) : -40 to +85°C, (A1) : -40 to +110°C, (A2) : -40 to +125°C

Remark xxx is ROM code number.

Please refer to "Quality Grades on NEC Semiconductor Devices" (Document No. C11531E) published by NEC Electronics Corporation to know the specification of the quality grade on the device and its recommended applications.

<2> 1.4 Ordering information, V850ES/FE2 is corrected as follow (p. 26)
 μPD703230GB(Ax)-xxx –GAH-AX, PB-free (NiPdAu) is added.
 μPD703231GB(Ax)-xxx –GAH-AX, PB-free (NiPdAu) is added.
 “-8EA” extensions are corrected to “-8EU”
 uPD70F3231MxGB(Ax)-UEU is added

<<before change>>

V850ES/FE2

| Part Number | Package | Internal Memory | Number of CAN Buffers | Quality Grade | Remark | |
|------------------------|---|--------------------------|-----------------------|-------------------------|------------------------------|---------------------------------|
| PD703230GB(A)-xxx-8EA | 64-pin plastic LQFP (fine pitch) (10 10) | 64 KB (Mask ROM) | 32 buffers/ch | Special ^{Note} | | |
| PD703230GB(A1)-xxx-8EA | | | | | | |
| PD703230GB(A2)-xxx-8EA | | | | | | |
| PD703231GB(A)-xxx-8EA | | 128KB (Mask ROM) | | | | |
| PD703231GB(A1)-xxx-8EA | | | | | | |
| PD703231GB(A2)-xxx-8EA | | | | | | |
| PD70F3231M1GB(A)-8EA | | 128 KB (Flash Memory) | | | | Without power-on clear function |
| PD70F3231M1GB(A1)-8EA | | | | | | |
| PD70F3231M1GB(A2)-8EA | | | | | | |
| PD70F3231M2GB(A)-8EA | | | | | With power-on clear function | |
| PD70F3231M2GB(A1)-8EA | | | | | | |
| PD70F3231M2GB(A2)-8EA | | | | | | |

Note: The operating ambient temperature of each quality grades is as follows.

(A) : -40 to +85°C, (A1) : -40 to +110°C, (A2) : -40 to +125°C

Remark xxx is ROM code number.

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<< after change >>

V850ES/FE2

| Part Number | Package | Internal Memory | Number of CAN Buffers | Quality Grade | Remark | |
|---------------------------|---|--------------------------|-----------------------|-------------------------|--------|--|
| PD703230GB(A)-xxx-8EU | 64-pin plastic LQFP (fine pitch) (10 10) | 64 KB (Mask ROM) | 32 buffers/ch | Special ^{Note} | | |
| PD703230GB(A1)-xxx-8EU | | | | | | |
| PD703230GB(A2)-xxx-8EU | | | | | | |
| PD703230GB(A)-xxx-GAH-AX | | | | | | |
| PD703230GB(A1)-xxx-GAH-AX | | | | | | |
| PD703230GB(A2)-xxx-GAH-AX | | | | | | |
| PD703231GB(A)-xxx-8EU | | 128KB (Mask ROM) | | | | |
| PD703231GB(A1)-xxx-8EU | | | | | | |
| PD703231GB(A2)-xxx-8EU | | | | | | |
| PD703231GB(A)-xxx-GAH-AX | | | | | | |
| PD703231GB(A1)-xxx-GAH-AX | | | | | | |
| PD703231GB(A2)-xxx-GAH-AX | | | | | | |
| PD70F3231M1GB(A)-8EU | | 128 KB (Flash Memory) | | | | Without power-on clear function <u>42alloy Lead Frame</u> |
| PD70F3231M1GB(A1)-8EU | | | | | | |
| PD70F3231M1GB(A2)-8EU | | | | | | With power-on clear function <u>42alloy Lead Frame</u> |
| PD70F3231M2GB(A)-8EU | | | | | | |
| PD70F3231M2GB(A1)-8EU | | | | | | |
| PD70F3231M2GB(A2)-8EU | | | | | | |
| PD70F3231M1GB(A)-UEU | Without power-on clear function <u>Cu Lead Frame</u> | | | | | |
| PD70F3231M1GB(A1)-UEU | | | | | | |
| PD70F3231M1GB(A2)-UEU | | | | | | |
| PD70F3231M2GB(A)-UEU | | | | | | |
| PD70F3231M2GB(A1)-UEU | With power-on clear function <u>Cu Lead Frame</u> | | | | | |
| PD70F3231M2GB(A2)-UEU | | | | | | |

Note: The operating ambient temperature of each quality grades is as follows.

(A) : -40 to +85°C, (A1) : -40 to +110°C, (A2) : -40 to +125°C

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