

## Military PAL Devices

### JAN 38510 and Standard Military Drawing Program

Advanced Micro Devices and Monolithic Memories are active participants in the JAN 38510 and Standard Military Drawing (SMD) Program. The idea behind the SMD Program is to standardize MIL-STD-883, Class B microcircuits where fully qualified JAN product is not available. The advantage to the user is that SMDs are a cost effective alternative to source control drawings and are offered as off-the-shelf stocking items by IC manufacturers participating in the program.

Standard Military Drawings should always be considered to improve availability over source control drawings. It is standard practice at AMD/MMI to convert our 883, Class B processing to

SMDs for all products which we are approved to supply. AMD/MMI then dual marks these devices with both the SMD number and the Generic Part Number. DESC approved products can then be procured to either part number as standard product through both OEM and Distributor channels.

The following cross reference will allow you to determine the appropriate SMD and JAN Drawing for each PAL device. AMD/MMI will continue to work closely with DESC, generating new drawings, which will provide a steady flow of advanced technology products to standardized specifications.

### MIL-M-38510 Slash Sheet Cross Reference for AMD / MMI Generic Part Number

M38510	01	02	03	04	05	06	07	08	09	10
503	10H8	12H6	14H4			10L8	12L6	14L4		
504	16L8A	16R8A	16R6A	16R4A			16L8A-2	16R8A-2	16R4A-2	16R4A-2
505	20L8A	20R8A	20R6A	20R4A						

### Standard Military Drawing Generic Part Type Cross Reference

STANDARD MILITARY DRAWING PART NUMBER	GENERIC PART NUMBER	JAN REPLACEMENT PART NUMBER
8103501RA	PAL10H8MJ/883B	M38510/50301BRA
81035012A	PAL10H8ML/883B	-
8103501SA	PAL10H8MW/883B	-
8103502RA	PAL12H6MJ/883B	M38510/50302BRA
81035022A	PAL12H6ML/883B	-
8103502SA	PAL12H6MW/883B	-
8103503RA	PAL14H4MJ/883B	M38510/50303BRA
81035032A	PAL14H4ML/883B	-
8103503SA	PAL14H4MW/883B	-
8103504RA	PAL16H2MJ/883B	-
81035042A	PAL16H2ML/883B	-
8103504SA	PAL16H2MW/883B	-
8103505RA	PAL16C1MJ/883B	-
81035052A	PAL16C1ML/883B	-
8103505SA	PAL16C1MW/883B	-
8103506RA	PAL10L8MJ/883B	M38510/50306BRA
81035062A	PAL10L8ML/883B	-
8103506SA	PAL10L8MW/883B	-
8103507RA	PAL12L6MJ/883B	M38510/50307BRA
81035072A	PAL12L6ML/883B	-
8103507SA	PAL12L6MW/883B	-
8103508RA	PAL14L4MJ/883B	M38510/50308BRA
81035082A	PAL14L4ML/883B	-
8103508SA	PAL14L4MW/883B	-
8103509RA	PAL16L2MJ/883B	-
81035092A	PAL16L2ML/883B	-
8103509SA	PAL16L2MW/883B	-

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### Standard Military Drawing Generic Part Type Cross Reference (Cont'd.)

STANDARD MILITARY DRAWING PART NUMBER	GENERIC PART NUMBER	JAN REPLACEMENT PART NUMBER
8103607RA	PAL16L8AMJ/883B	M38510/50401BRA
81036072A	PAL16L8AML/883B	-
8103607SA	PAL16L8AMW/883B	-
8103608RA	PAL16R8AMJ/883B	M38510/50402BRA
81036082A	PAL16R8AML/883B	-
8103608SA	PAL16R8AMW/883B	-
8103609RA	PAL16R6AMJ/883B	M38510/50403BRA
81036092A	PAL16R6AML/883B	-
8103609SA	PAL16R6AMW/883B	-
8103610RA	PAL16R4AMJ/883B	M38510/50404BRA
81036102A	PAL16R4AML/883B	-
8103610SA	PAL16R4AMW/883B	-
8103611RA	PAL16L8A-2MJ/883B	M38510/50407BRA
81036112A	PAL16L8A-2ML/883B	M38510/50407B2A
8103611SA	PAL16L8A-2MW/883B	-
8103612RA	PAL16R8A-2MJ/883B	M38510/50408BRA
81036122A	PAL16R8A-2ML/883B	M38510/50408B2A
8103612SA	PAL16R8A-2MW/883B	-
8103613RA	PAL16R6A-2MJ/883B	M38510/50409BRA
81036132A	PAL16R6A-2ML/883B	M38510/50409B2A
8103613SA	PAL16R6A-2MW/883B	-
8103614RA	PAL16R4A-2MJ/883B	M38510/50410BRA
81036142A	PAL16R4A-2ML/883B	M38510/50410B2A
8103614SA	PAL16R4A-2MW/883B	-
8412901LA	PAL20L8AMJS/883B	M38510/50501BLA
84129013A	PAL20L8AML/883B	M38510/50501B3A
8412901KA	PAL20L8AMW/883B	-
8412902LA	PAL20R8AMJS/883B	M38510/50502BLA
84129023A	PAL20R8AML/883B	M38510/50502B3A
8412902KA	PAL20R8AMW/883B	-
8412903LA	PAL20R6AMJS/883B	M38510/50503BLA
84129033A	PAL20R6AML/883B	M38510/50503B3A
8412903KA	PAL20R6AMW/883B	-
8412904LA	PAL20R4AMJS/883B	M38510/50504BLA
84129043A	PAL20R4AML/883B	M38510/50504B3A
8412904KA	PAL20R4AMW/883B	-
8412905LA	PAL20L10AMJS/883B	-
84129053A	PAL20L10AML/883B	-
8412905KA	PAL20L10AMW/883B	-
8412906LA	PAL20X8AMJS/883B	-
84129063A	PAL20X8AML/883B	-
8412906KA	PAL20X8AMW/883B	-
8412907LA	PAL20X10AMJS/883B	-
84129073A	PAL20X10AML/883B	-
8412907KA	PAL20X10AMW/883B	-
8412908LA	PAL20X4AMJS/883B	-
84129083A	PAL20X4AML/883B	-
8412908KA	PAL20X4AMW/883B	-
8412909LA	PAL20L8A-2MJS/883B	-
84129093A	PAL20L8A-2ML/883B	-
8412909KA	PAL20L8A-2MW/883B	-
8412910LA	PAL20R8A-2MJS/883B	-
84129103A	PAL20R8A-2ML/883B	-
8412910KA	PAL20R8A-2MW/883B	-
8412911LA	PAL20R6A-2MJS/883B	-

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### Standard Military Drawing Generic Part Type Cross Reference (Cont'd.)

STANDARD MILITARY DRAWING PART NUMBER	GENERIC PART NUMBER	JAN REPLACEMENT PART NUMBER
84129113A	PAL20R6A-2ML/883B	-
8412911KA	PAL20R6A-2MW/883B	-
8412912LA	PAL20R4A-2MJS/883B	-
84129123A	PAL20R4A-2ML/883B	-
8412912KA	PAL20R4A-2MW/883B	-
8506501RA	PAL16L8A-4MJ/883B	-
85065012A	PAL16L8A-4ML/883B	-
8506501SA	PAL16L8A-4MW/883B	-
8506502RA	PAL16R8A-4MJ/883B	-
85065022A	PAL16R8A-4ML/883B	-
8506502SA	PAL16R8A-4MW/883B	-
8506503RA	PAL16R6A-4MJ/883B	-
85065032A	PAL16R6A-4ML/883B	-
8506503SA	PAL16R6A-4MW/883B	-
8506504RA	PAL16R4A-4MJ/883B	-
85065042A	PAL16R4A-4ML/883B	-
8506504SA	PAL16R4A-4MW/883B	-
5962-8515501RA	PAL16L8BMJ/883B	-
5962-85155012A	PAL16L8BML/883B	-
5962-8515501SA	PAL16L8BMW/883B	-
5962-8515502RA	PAL16R8BMJ/883B	-
5962-85155022A	PAL16R8BML/883B	-
5962-8515502SA	PAL16R8BMW/883B	-
5962-8515503RA	PAL16R6BMJ/883B	-
5962-85155032A	PAL16R6BML/883B	-
5962-8515503SA	PAL16R6BMW/883B	-
5962-8515504RA	PAL16R4BMJ/883B	-
5962-85155042A	PAL16R4BML/883B	-
5962-8515504SA	PAL16R4BMW/883B	-
5962-8515505RA	PAL16L8B-2MJ/883B	-
5962-85155052A	PAL16L8B-2ML/883B	-
5962-8515505SA	PAL16L8B-2MW/883B	-
5962-8515506RA	PAL16R8B-2MJ/883B	-
5962-85155062A	PAL16R8B-2ML/883B	-
5962-8515506SA	PAL16R8B-2MW/883B	-
5962-8515507RA	PAL16R6B-2MJ/883B	-
5962-85155072A	PAL16R6B-2ML/883B	-
5962-8515507SA	PAL16R6B-2MW/883B	-
5962-8515508RA	PAL16R4B-2MJ/883B	-
5962-85155082A	PAL16R4B-2ML/883B	-
5962-8515508SA	PAL16R4B-2MW/883B	-
5962-8515509RA	PAL16L8DMJ/883B	-
5962-85155092A	PAL16L8DML/883B	-
5962-8515509SA	PAL16L8DMW/883B	-
5962-8515510RA	PAL16R8DMJ/883B	-
5962-85155102A	PAL16R8DML/883B	-
5962-8515510SA	PAL16R8DMW/883B	-
5962-8515511RA	PAL16R6DMJ/883B	-
5962-85155112A	PAL16R6DML/883B	-
5962-8515511SA	PAL16R6DMW/883B	-
5962-8515512RA	PAL16R4DMJ/883B	-
5962-85155122A	PAL16R4DML/883B	-
5962-8515512SA	PAL16R4DMW/883B	-
5962-8680301LA	PAL20RA10MJS/883B	-

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### Standard Military Drawing Generic Part Type Cross Reference (Cont'd.)

STANDARD MILITARY DRAWING PART NUMBER	GENERIC PART NUMBER	JAN REPLACEMENT PART NUMBER
5962-8680301KA	PAL20RA10MW/883B	-
5962-86803013A	PAL20RA10ML/883B	-
5962-8752801RA	AmPAL18P8A/BRA	-
5962-87528012A	AmPAL18P8A/B2A	-
5962-8752801SA	AmPAL18P8A/BSA	-
5962-8752802RA	AmPAL18P8B/BRA	-
5962-87528022A	AmPAL18P8B/B2A	-
5962-8752802SA	AmPAL18P8B/VSA	-
5962-8752803RA	AmPAL18P8AL/BRA	-
5962-87528032A	AmPAL18P8AL/B2A	-
5962-8752803SA	AmPAL18P8AL/BSA	-
5962-8752804RA	AmPAL18P8L/BRA	-
5962-87528042A	AmPAL18P8L/B2A	-
5962-8752804SA	AmPAL18P8L/BSA	-
5962-8605301LA	AmPAL22V10A/BLA	-
5962-86053013A	AmPAL22V10A/B3A	-
5962-9605301KA	AmPAL22V10A/BKA	-
5962-8605302LA	AmPAL22V10/BLA	-
5962-86053023A	AmPAL22V10/B3A	-
5962-8605302KA	AmPAL22V10/BKA	-