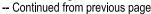
## Military Cross Reference Chart -- Continued from previous page





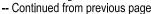
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M83513 / 29 ■ M83513 / 29-G01CN M83513 / 29-G01CP M83513 / 29-G01CT M83513 / 29-G01CW M83513 / 29-G01NN M83513 / 29-G01NT M83513 / 29-G01NW M83513 / 29-G01PN M83513 / 29-G01PN M83513 / 29-G01PT M83513 / 29-G01PT M83513 / 29-G01PW	MK-333-051-125-0000 MK-333-051-125-2200 MK-333-051-125-2200-0B7 MK-333-051-125-2200-0B7 MK-332-051-125-2200 MK-332-051-125-2200 MK-332-051-125-2200-0B7 MK-335-051-125-2200-0B7 MK-335-051-125-2200 MK-335-051-125-2200	M83513 / 29-G02CN M83513 / 29-G02CP M83513 / 29-G02CT M83513 / 29-G02CW M83513 / 29-G02NN M83513 / 29-G02NP M83513 / 29-G02NT M83513 / 29-G02PN M83513 / 29-G02PP M83513 / 29-G02PP M83513 / 29-G02PT M83513 / 29-G02PW	MK-333-051-135-0000 MK-333-051-135-2200 MK-333-051-135-2200-0B7 MK-333-051-135-2200-0B7 MK-332-051-135-2200 MK-332-051-135-2200 MK-332-051-135-2200-0B7 MK-335-051-135-2200-0B7 MK-335-051-135-2200 MK-335-051-135-2200	M83513 / 29-G03CN M83513 / 29-G03CP M83513 / 29-G03CT M83513 / 29-G03CW M83513 / 29-G03NP M83513 / 29-G03NT M83513 / 29-G03NW M83513 / 29-G03PN M83513 / 29-G03PP M83513 / 29-G03PT M83513 / 29-G03PW	MK-333-051-145-0000 MK-333-051-145-2200 MK-333-051-145-2200-0B7 MK-333-051-145-2200-0B7 MK-332-051-145-2200 MK-332-051-145-2200 MK-332-051-145-2200-0B7 MK-335-051-145-2200-0B7 MK-335-051-145-2200 MK-335-051-145-2200
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# Military Cross Reference Chart -- Continued from previous page

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M83513 / 31-A01CP	MK-243-009-225-2200-900	M83513 / 31-B02NW	MK-242-015-235-2200-0B7	M83513 / 31-D01CP	MK-243-025-225-2200-900
M83513 / 31-A01CT	MK-243-009-225-0000-0B7	M83513 / 31-B02PN	MK-245-015-235-0000-900	M83513 / 31-D01CT	MK-243-025-225-0000-0B7
M83513 / 31-A01CW	MK-243-009-225-2200-0B7	M83513 / 31-B02PP	MK-245-015-235-2200-900	M83513 / 31-D01CW	MK-243-025-225-2200-0B7
M83513 / 31-A01NN	MK-242-009-225-0000-900	M83513 / 31-B02PT	MK-245-015-235-0000-0B7	M83513 / 31-D01NN	MK-242-025-225-0000-900
M83513 / 31-A01NP	MK-242-009-225-2200-900	M83513 / 31-B02PW	MK-245-015-235-2200-0B7	M83513 / 31-D01NP	MK-242-025-225-2200-900
M83513 / 31-A01NT	MK-242-009-225-0000-0B7	M83513 / 31-B03CN	MK-243-015-245-0000-900	M83513 / 31-D01NT	MK-242-025-225-0000-0B7
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M83513 / 31-A01PP	MK-245-009-225-2200-900	M83513 / 31-B03CW	MK-243-015-245-2200-0B7	M83513 / 31-D01PP	MK-245-025-225-2200-900
M83513 / 31-A01PT	MK-245-009-225-0000-0B7	M83513 / 31-B03NN	MK-242-015-245-0000-900	M83513 / 31-D01PT	MK-245-025-225-0000-0B7
M83513 / 31-A01PW	MK-245-009-225-2200-0B7	M83513 / 31-B03NP	MK-242-015-245-2200-900	M83513 / 31-D01PW	MK-245-025-225-2200-0B7
M83513 / 31-A02CN	MK-243-009-235-0000-900	M83513 / 31-B03NT	MK-242-015-245-0000-0B7	M83513 / 31-D02CN	MK-243-025-235-0000-900
M83513 / 31-A02CP	MK-243-009-235-2200-900	M83513 / 31-B03NW	MK-242-015-245-2200-0B7	M83513 / 31-D02CP	MK-243-025-235-2200-900
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M83513 / 31-A02NP	MK-242-009-235-2200-900	M83513 / 31-B03PW	MK-245-015-245-2200-0B7	M83513 / 31-D02NP	MK-242-025-235-2200-900
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M83513 / 31-A02NW	MK-242-009-235-2200-0B7	M83513 / 31-C01CN	MK-243-021-225-0000-900	M83513 / 31-D02NW	MK-242-025-235-2200-0B7
M83513 / 31-A02PN	MK-245-009-235-0000-900	M83513 / 31-C01CP	MK-243-021-225-2200-900	M83513 / 31-D02PN	MK-245-025-235-0000-900
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M83513 / 31-A03CN	MK-243-009-245-0000-900	M83513 / 31-C01NP	MK-242-021-225-2200-900	M83513 / 31-D03CN	MK-243-025-245-0000-900
M83513 / 31-A03CP	MK-243-009-245-2200-900	M83513 / 31-C01NT	MK-242-021-225-0000-0B7	M83513 / 31-D03CP	MK-243-025-245-2200-900
M83513 / 31-A03CT	MK-243-009-245-0000-0B7	M83513 / 31-C01NW	MK-242-021-225-2200-0B7	M83513 / 31-D03CT	MK-243-025-245-0000-0B7
M83513 / 31-A03CW	MK-243-009-245-2200-0B7	M83513 / 31-C01PN	MK-245-021-225-0000-900	M83513 / 31-D03CW	MK-243-025-245-2200-0B7
M83513 / 31-A03NN	MK-242-009-245-0000-900	M83513 / 31-C01PP	MK-245-021-225-2200-900	M83513 / 31-D03NN	MK-242-025-245-0000-900
M83513 / 31-A03NP	MK-242-009-245-2200-900	M83513 / 31-C01PT	MK-245-021-225-0000-0B7	M83513 / 31-D03NP	MK-242-025-245-2200-900
M83513 / 31-A03NT M83513 / 31-A03NW	MK-242-009-245-0000-0B7 MK-242-009-245-2200-0B7	M83513 / 31-C01PW M83513 / 31-C02CN	MK-245-021-225-2200-0B7 MK-243-021-235-0000-900	M83513 / 31-D03NT M83513 / 31-D03NW	MK-242-025-245-0000-0B7 MK-242-025-245-2200-0B7
M83513 / 31-A03PN	MK-245-009-245-0000-900	M83513 / 31-C02CP	MK-243-021-235-2200-900	M83513 / 31-D03PN	MK-245-025-245-0000-900
M83513 / 31-A03PP	MK-245-009-245-2200-900	M83513 / 31-C02CT	MK-243-021-235-0000-0B7	M83513 / 31-D03PP	MK-245-025-245-0000-900
M83513 / 31-A03PT	MK-245-009-245-0000-0B7	M83513 / 31-C02CW	MK-243-021-235-2200-0B7	M83513 / 31-D03PT	MK-245-025-245-0000-0B7
M83513 / 31-A03PW	MK-245-009-245-2200-0B7	M83513 / 31-C02NN	MK-242-021-235-0000-900	M83513 / 31-D03PW	MK-245-025-245-2200-0B7
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M83513 / 31-B01CN	MK-243-015-225-0000-900	M83513 / 31-C02NT	MK-242-021-235-0000-0B7	M83513 / 31-E01CN	MK-243-031-225-0000-900
M83513 / 31-B01CP	MK-243-015-225-2200-900	M83513 / 31-C02NW	MK-242-021-235-2200-0B7	M83513 / 31-E01CP	MK-243-031-225-2200-900
M83513 / 31-B01CT	MK-243-015-225-0000-0B7	M83513 / 31-C02PN	MK-245-021-235-0000-900	M83513 / 31-E01CT	MK-243-031-225-0000-0B7
M83513 / 31-B01CW	MK-243-015-225-2200-0B7	M83513 / 31-C02PP	MK-245-021-235-2200-900	M83513 / 31-E01CW	MK-243-031-225-2200-0B7
M83513 / 31-B01NN	MK-242-015-225-0000-900	M83513 / 31-C02PT	MK-245-021-235-0000-0B7	M83513 / 31-E01NN	MK-242-031-225-0000-900
M83513 / 31-B01NP	MK-242-015-225-2200-900	M83513 / 31-C02PW	MK-245-021-235-2200-0B7	M83513 / 31-E01NP	MK-242-031-225-2200-900
M83513 / 31-B01NT	MK-242-015-225-0000-0B7	M83513 / 31-C03CN	MK-243-021-245-0000-900	M83513 / 31-E01NT	MK-242-031-225-0000-0B7
M83513 / 31-B01NW	MK-242-015-225-2200-0B7	M83513 / 31-C03CP	MK-243-021-245-2200-900	M83513 / 31-E01NW	MK-242-031-225-2200-0B7
M83513 / 31-B01PN	MK-245-015-225-0000-900	M83513 / 31-C03CT	MK-243-021-245-0000-0B7	M83513 / 31-E01PN	MK-245-031-225-0000-900
M83513 / 31-B01PP	MK-245-015-225-2200-900	M83513 / 31-C03CW	MK-243-021-245-2200-0B7	M83513 / 31-E01PP	MK-245-031-225-2200-900
M83513 / 31-B01PT	MK-245-015-225-0000-0B7	M83513 / 31-C03NN	MK-242-021-245-0000-900	M83513 / 31-E01PT	MK-245-031-225-0000-0B7
M83513 / 31-B01PW	MK-245-015-225-2200-0B7	M83513 / 31-C03NP	MK-242-021-245-2200-900	M83513 / 31-E01PW	MK-245-031-225-2200-0B7
M83513 / 31-B02CN	MK-243-015-235-0000-900	M83513 / 31-C03NT	MK-242-021-245-0000-0B7	M83513 / 31-E02CN	MK-243-031-235-0000-900
M83513 / 31-B02CP	MK-243-015-235-2200-900	M83513 / 31-C03NW	MK-242-021-245-2200-0B7	M83513 / 31-E02CP	MK-243-031-235-2200-900
M83513 / 31-B02CT	MK-243-015-235-0000-0B7	M83513 / 31-C03PN	MK-245-021-245-0000-900	M83513 / 31-E02CT	MK-243-031-235-0000-0B7
M83513 / 31-B02CW	MK-243-015-235-2200-0B7	M83513 / 31-C03PP	MK-245-021-245-2200-900	M83513 / 31-E02CW	MK-243-031-235-2200-0B7
M83513 / 31-B02NN	MK-242-015-235-0000-900	M83513 / 31-C03PT	MK-245-021-245-0000-0B7	M83513 / 31-E02NN	MK-242-031-235-0000-900
M83513 / 31-B02NP	MK-242-015-235-2200-900	M83513 / 31-C03PW	MK-245-021-245-2200-0B7	M83513 / 31-E02NP	MK-242-031-235-2200-900

# Military Cross Reference Chart -- Continued from previous page





### M83513 / 31 (continued)

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M83513 / 31-E02PN	MK-245-031-235-0000-900	M83513 / 31-F01CT	MK-243-037-225-0000-0B7	M83513 / 31-F02PN	MK-245-037-235-0000-900
M83513 / 31-E02PP	MK-245-031-235-2200-900	M83513 / 31-F01CW	MK-243-037-225-2200-0B7	M83513 / 31-F02PP	MK-245-037-235-2200-900
M83513 / 31-E02PT	MK-245-031-235-0000-0B7	M83513 / 31-F01NN	MK-242-037-225-0000-900	M83513 / 31-F02PT	MK-245-037-235-0000-0B7
M83513 / 31-E02PW	MK-245-031-235-2200-0B7	M83513 / 31-F01NP	MK-242-037-225-2200-900	M83513 / 31-F02PW	MK-245-037-235-2200-0B7
M83513 / 31-E03CN	MK-243-031-245-0000-900	M83513 / 31-F01NT	MK-242-037-225-0000-0B7	M83513 / 31-F03CN	MK-243-037-245-0000-900
M83513 / 31-E03CP	MK-243-031-245-2200-900	M83513 / 31-F01NW	MK-242-037-225-2200-0B7	M83513 / 31-F03CP	MK-243-037-245-2200-900
M83513 / 31-E03CT	MK-243-031-245-0000-0B7	M83513 / 31-F01PN	MK-245-037-225-0000-900	M83513 / 31-F03CT	MK-243-037-245-0000-0B7
M83513 / 31-E03CW	MK-243-031-245-2200-0B7	M83513 / 31-F01PP	MK-245-037-225-2200-900	M83513 / 31-F03CW	MK-243-037-245-2200-0B7
M83513 / 31-E03NN	MK-242-031-245-0000-900	M83513 / 31-F01PT	MK-245-037-225-0000-0B7	M83513 / 31-F03NN	MK-242-037-245-0000-900
M83513 / 31-E03NP	MK-242-031-245-2200-900	M83513 / 31-F01PW	MK-245-037-225-2200-0B7	M83513 / 31-F03NP	MK-242-037-245-2200-900
M83513 / 31-E03NT	MK-242-031-245-0000-0B7	M83513 / 31-F02CN	MK-243-037-235-0000-900	M83513 / 31-F03NT	MK-242-037-245-0000-0B7
M83513 / 31-E03NW	MK-242-031-245-2200-0B7	M83513 / 31-F02CP	MK-243-037-235-2200-900	M83513 / 31-F03NW	MK-242-037-245-2200-0B7
M83513 / 31-E03PN	MK-245-031-245-0000-900	M83513 / 31-F02CT	MK-243-037-235-0000-0B7	M83513 / 31-F03PN	MK-245-037-245-0000-900
M83513 / 31-E03PP	MK-245-031-245-2200-900	M83513 / 31-F02CW	MK-243-037-235-2200-0B7	M83513 / 31-F03PP	MK-245-037-245-2200-900
M83513 / 31-E03PT	MK-245-031-245-0000-0B7	M83513 / 31-F02NN	MK-242-037-235-0000-900	M83513 / 31-F03PT	MK-245-037-245-0000-0B7
M83513 / 31-E03PW	MK-245-031-245-2200-0B7	M83513 / 31-F02NP	MK-242-037-235-2200-900	M83513 / 31-F03PW	MK-245-037-245-2200-0B7

#### M83513 / 32 =

WIO33 3/3Z =					
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M83513 / 32-G01CP	MK-343-051-225-2200-900	M83513 / 32-G02CP	MK-343-051-235-2200-900	M83513 / 32-G03CP	MK-343-051-245-2200-900
M83513 / 32-G01CT	MK-343-051-225-0000-0B7	M83513 / 32-G02CT	MK-343-051-235-0000-0B7	M83513 / 32-G03CT	MK-343-051-245-0000-0B7
M83513 / 32-G01CW	MK-343-051-225-2200-0B7	M83513 / 32-G02CW	MK-343-051-235-2200-0B7	M83513 / 32-G03CW	MK-343-051-245-2200-0B7
M83513 / 32-G01NN	MK-342-051-225-0000-900	M83513 / 32-G02NN	MK-342-051-235-0000-900	M83513 / 32-G03NN	MK-342-051-245-0000-900
M83513 / 32-G01NP	MK-342-051-225-2200-900	M83513 / 32-G02NP	MK-342-051-235-2200-900	M83513 / 32-G03NP	MK-342-051-245-2200-900
M83513 / 32-G01NT	MK-342-051-225-0000-0B7	M83513 / 32-G02NT	MK-342-051-235-0000-0B7	M83513 / 32-G03NT	MK-342-051-245-0000-0B7
M83513 / 32-G01NW	MK-342-051-225-2200-0B7	M83513 / 32-G02NW	MK-342-051-235-2200-0B7	M83513 / 32-G03NW	MK-342-051-245-2200-0B7
M83513 / 32-G01PN	MK-345-051-225-0000-900	M83513 / 32-G02PN	MK-345-051-235-0000-900	M83513 / 32-G03PN	MK-345-051-245-0000-900
M83513 / 32-G01PP	MK-345-051-225-2200-900	M83513 / 32-G02PP	MK-345-051-235-2200-900	M83513 / 32-G03PP	MK-345-051-245-2200-900
M83513 / 32-G01PT	MK-345-051-225-0000-0B7	M83513 / 32-G02PT	MK-345-051-235-0000-0B7	M83513 / 32-G03PT	MK-345-051-245-0000-0B7
M83513 / 32-G01PW	MK-345-051-225-2200-0B7	M83513 / 32-G02PW	MK-345-051-235-2200-0B7	M83513 / 32-G03PW	MK-345-051-245-2200-0B7

#### M83513 / 33

MI00010100 -					
M83513 / 33-H01CN	MK-443-100-225-0000-900	M83513 / 33-H02CN	MK-443-100-235-0000-900	M83513 / 33-H03CN	MK-443-100-245-0000-900
M83513 / 33-H01CP	MK-443-100-225-6200-900	M83513 / 33-H02CP	MK-443-100-235-6200-900	M83513 / 33-H03CP	MK-443-100-245-6200-900
M83513 / 33-H01CT	MK-443-100-225-0000-0B7	M83513 / 33-H02CT	MK-443-100-235-0000-0B7	M83513 / 33-H03CT	MK-443-100-245-0000-0B7
M83513 / 33-H01CW	MK-443-100-225-6200-0B7	M83513 / 33-H02CW	MK-443-100-235-6200-0B7	M83513 / 33-H03CW	MK-443-100-245-6200-0B7
M83513 / 33-H01NN	MK-442-100-225-0000-900	M83513 / 33-H02NN	MK-442-100-235-0000-900	M83513 / 33-H03NN	MK-442-100-245-0000-900
M83513 / 33-H01NP	MK-442-100-225-6200-900	M83513 / 33-H02NP	MK-442-100-235-6200-900	M83513 / 33-H03NP	MK-442-100-245-6200-900
M83513 / 33-H01NT	MK-442-100-225-0000-0B7	M83513 / 33-H02NT	MK-442-100-235-0000-0B7	M83513 / 33-H03NT	MK-442-100-245-0000-0B7
M83513 / 33-H01NW	MK-442-100-225-6200-0B7	M83513 / 33-H02NW	MK-442-100-235-6200-0B7	M83513 / 33-H03NW	MK-442-100-245-6200-0B7
M83513 / 33-H01PN	MK-445-100-225-0000-900	M83513 / 33-H02PN	MK-445-100-235-0000-900	M83513 / 33-H03PN	MK-445-100-245-0000-900
M83513 / 33-H01PP	MK-445-100-225-6200-900	M83513 / 33-H02PP	MK-445-100-235-6200-900	M83513 / 33-H03PP	MK-445-100-245-6200-900
M83513 / 33-H01PT	MK-445-100-225-0000-0B7	M83513 / 33-H02PT	MK-445-100-235-0000-0B7	M83513 / 33-H03PT	MK-445-100-245-0000-0B7
M83513 / 33-H01PW	MK-445-100-225-6200-0B7	M83513 / 33-H02PW	MK-445-100-235-6200-0B7	M83513 / 33-H03PW	MK-445-100-245-6200-0B7



# Military Cross Reference Chart -- Continued from previous page

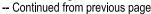
### M83513 / 27 (continued)

M83513 / 27-H02NT	MK-422-100-235-0000-0B7	M83513 / 27-H03CN	MK-423-100-245-0000-900	M83513 / 27-H03NT	MK-422-100-245-0000-0B7
M83513 / 27-H02NW	MK-422-100-235-6200-0B7	M83513 / 27-H03CP	MK-423-100-245-6200-900	M83513 / 27-H03NW	MK-422-100-245-6200-0B7
M83513 / 27-H02PN	MK-425-100-235-0000-900	M83513 / 27-H03CT	MK-423-100-245-0000-0B7	M83513 / 27-H03PN	MK-425-100-245-0000-900
M83513 / 27-H02PP	MK-425-100-235-6200-900	M83513 / 27-H03CW	MK-423-100-245-6200-0B7	M83513 / 27-H03PP	MK-425-100-245-6200-900
M83513 / 27-H02PT	MK-425-100-235-0000-0B7	M83513 / 27-H03NN	MK-422-100-245-0000-900	M83513 / 27-H03PT	MK-425-100-245-0000-0B7
M83513 / 27-H02PW	MK-425-100-235-6200-0B7	M83513 / 27-H03NP	MK-422-100-245-6200-900	M83513 / 27-H03PW	MK-425-100-245-6200-0B7

### 1400540 / 00

M83513 / 28					
M83513 / 28-A01CN	MK-233-009-125-0000	M83513 / 28-B01PT	MK-235-015-125-0000-0B7	M83513 / 28-C02PN	MK-235-021-135-0000
M83513 / 28-A01CP	MK-233-009-125-2200	M83513 / 28-B01PW	MK-235-015-125-2200-0B7	M83513 / 28-C02PP	MK-235-021-135-2200
M83513 / 28-A01CT	MK-233-009-125-0000-0B7	M83513 / 28-B02CN	MK-233-015-135-0000	M83513 / 28-C02PT	MK-235-021-135-0000-0B7
M83513 / 28-A01CW		M83513 / 28-B02CP	MK-233-015-135-2200	M83513 / 28-C02PW	MK-235-021-135-2200-0B7
M83513 / 28-A01NN	MK-232-009-125-0000	M83513 / 28-B02CT	MK-233-015-135-0000-0B7	M83513 / 28-C03CN	MK-233-021-145-0000
M83513 / 28-A01NP	MK-232-009-125-2200	M83513 / 28-B02CW	MK-233-015-135-2200-0B7	M83513 / 28-C03CP	MK-233-021-145-2200
M83513 / 28-A01NT	MK-232-009-125-0000-0B7	M83513 / 28-B02NN	MK-232-015-135-0000	M83513 / 28-C03CT	MK-233-021-145-0000-0B7
M83513 / 28-A01NW	MK-232-009-125-2200-0B7	M83513 / 28-B02NP	MK-232-015-135-2200	M83513 / 28-C03CW	MK-233-021-145-2200-0B7
M83513 / 28-A01PN	MK-235-009-125-0000	M83513 / 28-B02NT	MK-232-015-135-0000-0B7	M83513 / 28-C03NN	MK-232-021-145-0000
M83513 / 28-A01PP	MK-235-009-125-2200	M83513 / 28-B02NW	MK-232-015-135-2200-0B7	M83513 / 28-C03NP	MK-232-021-145-2200
M83513 / 28-A01PT	MK-235-009-125-0000-0B7	M83513 / 28-B02PN	MK-235-015-135-0000	M83513 / 28-C03NT	MK-232-021-145-0000-0B7
M83513 / 28-A01PW	MK-235-009-125-2200-0B7	M83513 / 28-B02PP	MK-235-015-135-2200	M83513 / 28-C03NW	MK-232-021-145-2200-0B7
M83513 / 28-A02CN	MK-233-009-135-0000	M83513 / 28-B02PT	MK-235-015-135-0000-0B7	M83513 / 28-C03PN	MK-235-021-145-0000
M83513 / 28-A02CP	MK-233-009-135-2200	M83513 / 28-B02PW	MK-235-015-135-2200-0B7	M83513 / 28-C03PP	MK-235-021-145-2200
M83513 / 28-A02CT	MK-233-009-135-0000-0B7	M83513 / 28-B03CN	MK-233-015-145-0000	M83513 / 28-C03PT	MK-235-021-145-0000-0B7
M83513 / 28-A02CW		M83513 / 28-B03CP	MK-233-015-145-2200	M83513 / 28-C03PW	MK-235-021-145-2200-0B7
M83513 / 28-A02NN	MK-232-009-135-0000	M83513 / 28-B03CT	MK-233-015-145-0000-0B7		
M83513 / 28-A02NP	MK-232-009-135-2200	M83513 / 28-B03CW	MK-233-015-145-2200-0B7	M83513 / 28-D01CN	MK-233-025-125-0000
M83513 / 28-A02NT	MK-232-009-135-0000-0B7	M83513 / 28-B03NN	MK-232-015-145-0000	M83513 / 28-D01CP	MK-233-025-125-2200
M83513 / 28-A02NW	MK-232-009-135-2200-0B7	M83513 / 28-B03NP	MK-232-015-145-2200	M83513 / 28-D01CT	MK-233-025-125-0000-0B7
M83513 / 28-A02PN	MK-235-009-135-0000	M83513 / 28-B03NT	MK-232-015-145-0000-0B7	M83513 / 28-D01CW	MK-233-025-125-2200-0B7
M83513 / 28-A02PP	MK-235-009-135-2200	M83513 / 28-B03NW	MK-232-015-145-2200-0B7	M83513 / 28-D01NN	MK-232-025-125-0000
M83513 / 28-A02PT	MK-235-009-135-0000-0B7	M83513 / 28-B03PN	MK-235-015-145-0000	M83513 / 28-D01NP	MK-232-025-125-2200
M83513 / 28-A02PW	MK-235-009-135-2200-0B7	M83513 / 28-B03PP	MK-235-015-145-2200	M83513 / 28-D01NT	MK-232-025-125-0000-0B7
M83513 / 28-A03CN	MK-233-009-145-0000	M83513 / 28-B03PT	MK-235-015-145-0000-0B7	M83513 / 28-D01NW	MK-232-025-125-2200-0B7
M83513 / 28-A03CP	MK-233-009-145-2200	M83513 / 28-B03PW	MK-235-015-145-2200-0B7	M83513 / 28-D01PN	MK-235-025-125-0000
M83513 / 28-A03CT	MK-233-009-145-0000-0B7			M83513 / 28-D01PP	MK-235-025-125-2200
M83513 / 28-A03CW	MK-233-009-145-2200-0B7	M83513 / 28-C01CN	MK-233-021-125-0000	M83513 / 28-D01PT	MK-235-025-125-0000-0B7
M83513 / 28-A03NN	MK-232-009-145-0000	M83513 / 28-C01CP	MK-233-021-125-2200	M83513 / 28-D01PW	MK-235-025-125-2200-0B7
M83513 / 28-A03NP	MK-232-009-145-2200	M83513 / 28-C01CT	MK-233-021-125-0000-0B7	M83513 / 28-D02CN	MK-233-025-135-0000
M83513 / 28-A03NT	MK-232-009-145-0000-0B7	M83513 / 28-C01CW	MK-233-021-125-2200-0B7	M83513 / 28-D02CP	MK-233-025-135-2200
M83513 / 28-A03NW	MK-232-009-145-2200-0B7	M83513 / 28-C01NN	MK-232-021-125-0000	M83513 / 28-D02CT	MK-233-025-135-0000-0B7
M83513 / 28-A03PN	MK-235-009-145-0000	M83513 / 28-C01NP	MK-232-021-125-2200	M83513 / 28-D02CW	MK-233-025-135-2200-0B7
M83513 / 28-A03PP	MK-235-009-145-2200	M83513 / 28-C01NT	MK-232-021-125-0000-0B7	M83513 / 28-D02NN	MK-232-025-135-0000
M83513 / 28-A03PT	MK-235-009-145-0000-0B7	M83513 / 28-C01NW	MK-232-021-125-2200-0B7	M83513 / 28-D02NP	MK-232-025-135-2200
M83513 / 28-A03PW	MK-235-009-145-2200-0B7	M83513 / 28-C01PN	MK-235-021-125-0000	M83513 / 28-D02NT	MK-232-025-135-0000-0B7
		M83513 / 28-C01PP	MK-235-021-125-2200	M83513 / 28-D02NW	MK-232-025-135-2200-0B7
M83513 / 28-B01CN	MK-233-015-125-0000	M83513 / 28-C01PT	MK-235-021-125-0000-0B7	M83513 / 28-D02PN	MK-235-025-135-0000
M83513 / 28-B01CP	MK-233-015-125-2200	M83513 / 28-C01PW	MK-235-021-125-2200-0B7	M83513 / 28-D02PP	MK-235-025-135-2200
M83513 / 28-B01CT	MK-233-015-125-0000-0B7	M83513 / 28-C02CN	MK-233-021-135-0000	M83513 / 28-D02PT	MK-235-025-135-0000-0B7
M83513 / 28-B01CW	MK-233-015-125-2200-0B7	M83513 / 28-C02CP	MK-233-021-135-2200	M83513 / 28-D02PW	MK-235-025-135-2200-0B7
M83513 / 28-B01NN	MK-232-015-125-0000	M83513 / 28-C02CT	MK-233-021-135-0000-0B7	M83513 / 28-D03CN	MK-233-025-145-0000
M83513 / 28-B01NP	MK-232-015-125-2200	M83513 / 28-C02CW	MK-233-021-135-2200-0B7	M83513 / 28-D03CP	MK-233-025-145-2200
M83513 / 28-B01NT	MK-232-015-125-0000-0B7	M83513 / 28-C02NN	MK-232-021-135-0000	M83513 / 28-D03CT	MK-233-025-145-0000-0B7
M83513 / 28-B01NW	MK-232-015-125-2200-0B7	M83513 / 28-C02NP	MK-232-021-135-2200	M83513 / 28-D03CW	MK-233-025-145-2200-0B7
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## Military Cross Reference Chart -- Continued from previous page





M83513 / 28 (COR	ninuea)				
M83513 / 28-D03NT M83513 / 28-D03NW M83513 / 28-D03PN M83513 / 28-D03PP M83513 / 28-D03PW M83513 / 28-E01CN M83513 / 28-E01CP M83513 / 28-E01CT M83513 / 28-E01CT M83513 / 28-E01NN M83513 / 28-E01NN M83513 / 28-E01NT M83513 / 28-E01NT M83513 / 28-E01PN M83513 / 28-E02CN M83513 / 28-E02NN	MK-232-025-145-0000-0B7 MK-232-025-145-2200-0B7 MK-235-025-145-2200 MK-235-025-145-2200 MK-235-025-145-2200-0B7 MK-235-025-145-2200-0B7 MK-233-031-125-0000 MK-233-031-125-2200 MK-233-031-125-2200-0B7 MK-232-031-125-2200-0B7 MK-232-031-125-2200-0B7 MK-232-031-125-2200-0B7 MK-232-031-125-2200-0B7 MK-235-031-125-2200-0B7 MK-235-031-125-2200-0B7 MK-235-031-125-2200-0B7 MK-235-031-125-2200-0B7 MK-235-031-125-2200-0B7 MK-235-031-135-0000-0B7 MK-233-031-135-2200 MK-233-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7 MK-232-031-135-2200-0B7	M83513 / 28-E02PN M83513 / 28-E02PP M83513 / 28-E02PW M83513 / 28-E03CN M83513 / 28-E03CP M83513 / 28-E03CP M83513 / 28-E03CT M83513 / 28-E03NN M83513 / 28-E03NP M83513 / 28-E03NP M83513 / 28-E03NV M83513 / 28-E03NP M83513 / 28-E03PN M83513 / 28-E03PN M83513 / 28-E03PN M83513 / 28-F01CN M83513 / 28-F01CN M83513 / 28-F01CP M83513 / 28-F01CP M83513 / 28-F01CN M83513 / 28-F01NN M83513 / 28-F01NP M83513 / 28-F01NP M83513 / 28-F01NP M83513 / 28-F01PN M83513 / 28-F01PN M83513 / 28-F01PP	MK-235-031-135-0000 MK-235-031-135-2200 MK-235-031-135-2200-0B7 MK-235-031-135-2200-0B7 MK-233-031-145-2200 MK-233-031-145-2200 MK-233-031-145-2200-0B7 MK-232-031-145-0000 MK-232-031-145-2200 MK-232-031-145-2200-0B7 MK-232-031-145-2200-0B7 MK-235-031-145-2200-0B7 MK-235-031-145-2200-0B7 MK-235-031-145-2200-0B7 MK-235-031-145-2200-0B7 MK-233-037-125-0000-0B7 MK-233-037-125-0000-0B7 MK-233-037-125-2200 MK-232-037-125-2200	M83513 / 28-F01PT M83513 / 28-F01PW M83513 / 28-F02CN M83513 / 28-F02CP M83513 / 28-F02CT M83513 / 28-F02NN M83513 / 28-F02NP M83513 / 28-F02NT M83513 / 28-F02NW M83513 / 28-F02PN M83513 / 28-F02PN M83513 / 28-F02PP M83513 / 28-F02PP M83513 / 28-F03CN M83513 / 28-F03CN M83513 / 28-F03CN M83513 / 28-F03CT M83513 / 28-F03CT M83513 / 28-F03CN M83513 / 28-F03NN M83513 / 28-F03NN M83513 / 28-F03NN M83513 / 28-F03NP M83513 / 28-F03NP M83513 / 28-F03NP M83513 / 28-F03PN M83513 / 28-F03PN M83513 / 28-F03PP	MK-235-037-125-0000-0B7 MK-233-037-125-2200-0B7 MK-233-037-135-0000 MK-233-037-135-2200 MK-233-037-135-2200-0B7 MK-232-037-135-2200-0B7 MK-232-037-135-2200 MK-232-037-135-2200-0B7 MK-232-037-135-2200-0B7 MK-232-037-135-2200-0B7 MK-235-037-135-2200-0B7 MK-235-037-135-2200-0B7 MK-233-037-145-2200 MK-233-037-145-0000-0B7 MK-233-037-145-2200-0B7 MK-233-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-232-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7 MK-235-037-145-2200-0B7
M83513 / 29 ■ M83513 / 29-G01CN M83513 / 29-G01CP M83513 / 29-G01CT M83513 / 29-G01CW M83513 / 29-G01NN M83513 / 29-G01NT M83513 / 29-G01NW M83513 / 29-G01PN M83513 / 29-G01PN M83513 / 29-G01PT M83513 / 29-G01PT M83513 / 29-G01PW	MK-333-051-125-0000 MK-333-051-125-2200 MK-333-051-125-2200-0B7 MK-333-051-125-2200-0B7 MK-332-051-125-2200 MK-332-051-125-2200 MK-332-051-125-2200-0B7 MK-335-051-125-2200-0B7 MK-335-051-125-2200 MK-335-051-125-2200	M83513 / 29-G02CN M83513 / 29-G02CP M83513 / 29-G02CT M83513 / 29-G02CW M83513 / 29-G02NN M83513 / 29-G02NP M83513 / 29-G02NT M83513 / 29-G02PN M83513 / 29-G02PP M83513 / 29-G02PP M83513 / 29-G02PT M83513 / 29-G02PW	MK-333-051-135-0000 MK-333-051-135-2200 MK-333-051-135-2200-0B7 MK-333-051-135-2200-0B7 MK-332-051-135-2200 MK-332-051-135-2200 MK-332-051-135-2200-0B7 MK-335-051-135-2200-0B7 MK-335-051-135-2200 MK-335-051-135-2200	M83513 / 29-G03CN M83513 / 29-G03CP M83513 / 29-G03CT M83513 / 29-G03CW M83513 / 29-G03NP M83513 / 29-G03NT M83513 / 29-G03NW M83513 / 29-G03PN M83513 / 29-G03PP M83513 / 29-G03PT M83513 / 29-G03PW	MK-333-051-145-0000 MK-333-051-145-2200 MK-333-051-145-2200-0B7 MK-333-051-145-2200-0B7 MK-332-051-145-2200 MK-332-051-145-2200 MK-332-051-145-2200-0B7 MK-335-051-145-2200-0B7 MK-335-051-145-2200 MK-335-051-145-2200
M83513 / 30 - M83513 / 30-H01CN M83513 / 30-H01CP M83513 / 30-H01CT M83513 / 30-H01NN M83513 / 30-H01NP M83513 / 30-H01NT M83513 / 30-H01NW M83513 / 30-H01NW M83513 / 30-H01PN M83513 / 30-H01PN M83513 / 30-H01PP	MK-433-100-125-0000 MK-433-100-125-6200 MK-433-100-125-0000-0B7 MK-433-100-125-6200-0B7 MK-432-100-125-0000 MK-432-100-125-6200 MK-432-100-125-6200-0B7 MK-432-100-125-6200-0B7 MK-435-100-125-6200	M83513 / 30-H02CN M83513 / 30-H02CP M83513 / 30-H02CT M83513 / 30-H02CW M83513 / 30-H02NN M83513 / 30-H02NP M83513 / 30-H02NT M83513 / 30-H02NW M83513 / 30-H02PN	MK-433-100-135-0000 MK-433-100-135-6200 MK-433-100-135-0200-0B7 MK-433-100-135-6200-0B7 MK-432-100-135-0200 MK-432-100-135-6200 MK-432-100-135-0000-0B7 MK-432-100-135-6200-0B7 MK-432-100-135-6200-0B7 MK-435-100-135-0000	M83513 / 30-H03CN M83513 / 30-H03CP M83513 / 30-H03CT M83513 / 30-H03CW M83513 / 30-H03NN M83513 / 30-H03NP M83513 / 30-H03NT M83513 / 30-H03NW M83513 / 30-H03PN	MK-433-100-145-0000 MK-433-100-145-6200 MK-433-100-145-0000-0B7 MK-433-100-145-6200-0B7 MK-432-100-145-0000 MK-432-100-145-6200 MK-432-100-145-0000-0B7 MK-432-100-145-6200-0B7 MK-435-100-145-0000



PLUG: MK-332-051-125-2200 **RECEPTACLE:** MM-322-051-261-45WP PLUG: ML-331-051-125-2200 **RECEPTACLE:** MN-321-051-261-45WP

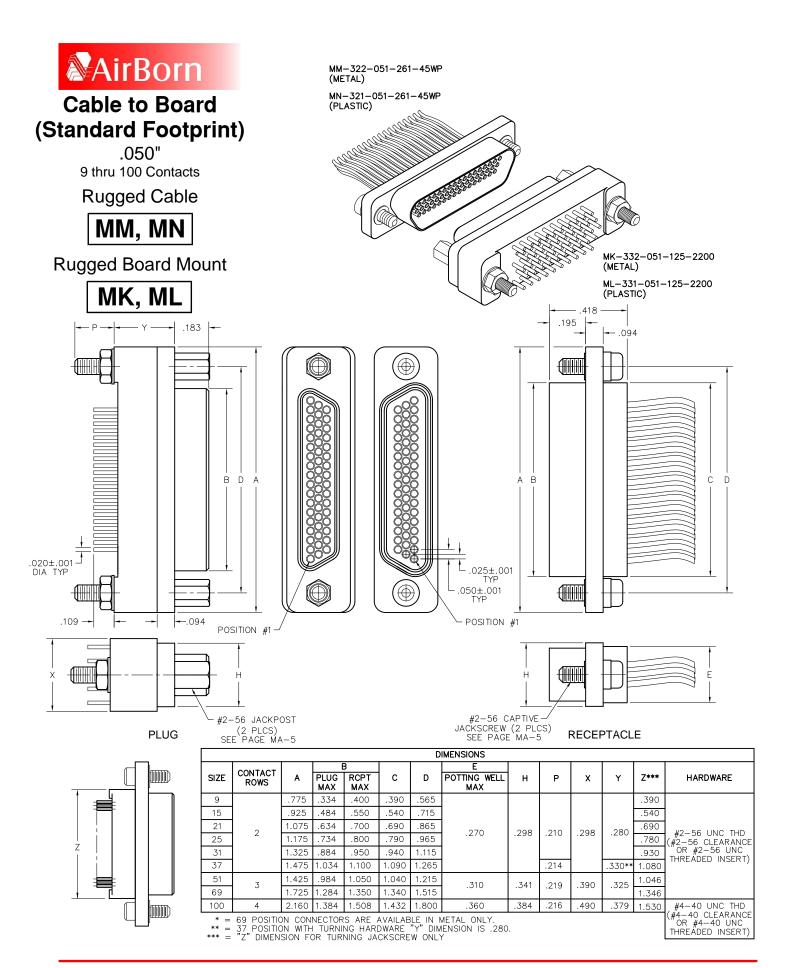
PLUG	RECEPTACLE XX-XXX-XXX-XXXX-XXXX
SER	RIES
MK .050" Rugged Metal PC Board Mount Connector ML .050" Rugged Plastic PC Board Mount Connector MK & ML mate with MK, ML, MM, MN receptacles)	MM .050" Rugged Metal I/O Connector MN .050" Rugged Plastic I/O Connector (MM & MN mate with MK, ML, MM, MN plugs)
ВО	DDY
2 2-Row (Sizes 9 thru 37) 3 3-Row (Size 51 & 69***) 4 4-Row (Size 100)	2 2-Row (Sizes 9 thru 37) 3 3-Row (Size 51 & 69***) 4 4-Row (Size 100)
BODY STYLE: 3 Plug, straight, standard footprint	BODY STYLE: 2 Receptacle, straight, with ears
BODY MATERIAL:  1 Polyphenylene Sulfide (ML only)  2 Polyphenylene Sulfide with electroless nickel shell  3 Polyphenylene Sulfide with electrodeposited cadmium shell   4 Polyphenylene Sulfide with hard anodized black shell  5 Polyphenylene Sulfide with stainless steel shell	BODY MATERIAL: 1 Polyphenylene Sulfide (MN only) 2 Polyphenylene Sulfide with electroless nickel shell 3 Polyphenylene Sulfide with electrodeposited cadmium shell  4 Polyphenylene Sulfide with hard anodized black shell 5 Polyphenylene Sulfide with stainless steel shell
SIZ	ZE
XX 009, 015, 021, 025, 031, 037, 051, 069***, 100	XXX 009, 015, 021, 025, 031, 037, 051, 069***, 100
CONT	ACTS
TYPE CONTACTS/TERMINATIONS:  12 Pin, straight, PCB leads, .109"  13 Pin, straight, PCB leads, .140"  14 Pin, straight, PCB leads, .172"	TYPE CONTACTS/TERMINATIONS:  21 Socket, straight, solder cup  24 Socket, straight, .500" pigtails (.018 dia)  25 Socket, straight, 1.000" pigtails (.018 dia)  26 Socket, straight, crimped wire
PLATING OPTIONS:  50 μ" Au contacts: 10 μ" Au terminations  50 μ" Au contacts; Sn/Pb alloy terminations  7 50 μ" Au contacts; SAC305 terminations	PLATING OPTIONS:  1 50 μ" Au contacts (crimp wire)  3 50 μ" Au contacts: 10 μ" Au terminations (solder cup, pigtail)  5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtail)  7 50 μ" Au contacts; SAC305 terminations (pigtail)
HARD	WARE
STYLE OF HARDWARE:  00 None  22 Two fixed jacknut assemblies (62*)  41 Two turning jackscrews, allen head, retaining ring**** (81*)  99 Keying hardware, see options below (Body material 2, 3 and 4 only)	STYLE OF HARDWARE:  00 None  22 Two fixed jacknut assemblies (62*)  41 Two turning jackscrews, allen head, retaining ring (81*)  42 Two long turning jackscrews, allen head, retaining ring (82*)  43 Two turning jackscrews, slot head, retaining ring (83*)  44 Two long turning jackscrews, slot head, retaining ring (84*)  45 Two turning jackscrews, allen head, captivated** (85*)  99 Keying hardware, see options below (Body material 2, 3 and 4 only)
POLARIZATION / WIRING:	POLARIZATION / WIRING
00 None	00 None XX For wiring codes, see page MA-3 & MA-4
OPTI	IONS
KPXX Two fixed jacknuts. See page MA-6 for keying options (KN*) 0B7 Threaded inserts	KSXX Two turning jackscrews and interfacial sealing gasket. See page MA-6 for keying options (KJ*)  900 Interfacial sealing gasket

\* = Use numbers or letters in parenthesis when ordering size 100.

\*\*\* = 69 position connectors are available in metal only.

\*\* = Captive hardware is factory installed and non-removable.

\*\*\*\* = Connector body has no mounting holes.

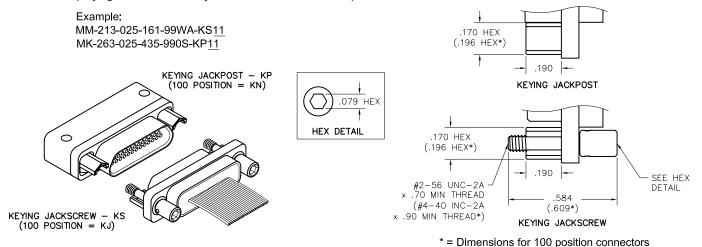




## Polarized Keying Hardware



Select the appropriate two digit number above and include as the last two digits of the hardware code in the part number. (Keying hardware is factory installed and non-removable).





PLUG: MM-312-051-161-45WP
RECEPTACLE: MK-342-051-225-2200
PLUG: MN-311-051-161-45WP
RECEPTACLE: ML-341-051-225-2200

PLUG RECEPTACLE XX-XXX-XXX-XXXX-XXX

LOG	THE SET TABLE
SER	IES
MM .050" Rugged Metal I/O Connector MN .050" Rugged Plastic I/O Connector (MM & MN mate with MK, ML, MM, MN receptacles)	MK .050" Rugged Metal PC Board Mount Connector ML .050" Rugged Plastic PC Board Mount Connector (MK & ML mate with MK, ML, MM, MN plugs)
BOI	DY
2 2-Row (Sizes 9 thru 37) 3 3-Row (Size 51 & 69***) 4 4-Row (Size 100)	2 2-Row (Sizes 9 thru 37) 3 3-Row (Size 51 & 69***) 4 4-Row (Size 100)
BODY STYLE: 1 Plug, straight, with ears	BODY STYLE: 4 Receptacle, straight, standard footprint
BODY MATERIAL: 1 Polyphenylene Sulfide (MN only) 2 Polyphenylene Sulfide with electroless nickel shell 3 Polyphenylene Sulfide with electrodeposited cadmium shell  4 Polyphenylene Sulfide with hard anodized black shell 5 Polyphenylene Sulfide with stainless steel shell	BODY MATERIAL: 1 Polyphenylene Sulfide (ML only) 2 Polyphenylene Sulfide with electroless nickel shell 3 Polyphenylene Sulfide with electrodeposited cadmium shell ⊠ 4 Polyphenylene Sulfide with hard anodized black shell 5 Polyphenylene Sulfide with stainless steel shell
SIZ	E
XXX 009, 015, 021, 025, 031, 037, 051, 069***, 100	XXX 009, 015, 021, 025, 031, 037, 051, 069***, 100

CONTACTS			
TYPE CONTACTS/TERMINATIONS:		TYPE CONTACTS/TERMINATIONS:	_
1 Pin, straight, solder cup	22	Socket, straight, PCB leads, .109"	
4 Pin, straight, .500" pigtails (.018 dia)	23	Socket, straight, PCB leads, .140"	
5 Pin, straight, 1.000" pigtails (.018 dia)	24	Socket, straight, PCB leads, .172"	
6 Pin, straight, crimped wire			
PLATING OPTIONS:		PLATING OPTIONS:	
I 50 μ" Au contacts (crimp wire)	3	50 μ" Au contacts: 10 μ" Au terminations	
3 50 u" Au contacts: 10 u" Au terminations	5	50 μ" Au contacts; Sn/Pb alloy terminations	$\boxtimes$
(solder cup, pigtail)	7	50 u" Au contacts; SAC305 terminations	
5 50 μ" Au contacts, Sn/Pb alloy terminations			
(pigtail) ⊠			
7 50 μ" Áu contacts; SAC305 terminations (pigtail)			

(pigtali) 🖾	0400054 1 4 4 4 4 1 10			
/ 50 µ" Au contacts;	SAC305 terminations (pigtail)	l		
STYLE OF HARDV	/ARE:		STYLE OF HARDWARE:	
00 None		00	None	
22 Two fixed jacknut a	ssemblies (62*)	22	Two fixed jacknut assemblies (62*)	
41 Two turning jacksci retaining ring (81*)	rews, allen head,	41	Two turning jackscrews, allen head, retaining ring**** (81*)	
42 Two long turning ja retaining ring (82*)	ckscrews, allen head,	99	Keying hardware, see options below (Body material 2, 3 and 4 only)	
43 Two turning jacksci	ews, slot head, retaining ring (83*)		•	
44 Two long turning ja retaining ring (84*)	ckscrews, slot head,			
45 Two turning jacksci	ews, allen head, captivated** (85*)			
99 Keying hardware, s material 2, 3 and 4	ee options below (Body only)			
POLARIZATION / \	VIRING:	00	POLARIZATION / WIRING None	
XX For wiring codes, s	ee page MA-3 & MA-4	30	110110	

0	OPTIONS	
KSXX Two turning jackscrews. See page MA-6 for keying options (KJ*)	900 0B7	Two fixed jacknuts and interfacial sealing gasket See page MA-6 for keying options (KN*) Interfacial sealing gasket Threaded inserts and interfacial sealing gasket

- \* = Use numbers or letters in parenthesis when ordering size 100.
- \*\*\* = 69 position connectors are available in metal only.
- \*\* = Captive hardware is factory installed and non-removable.
- \*\*\*\* = Connector body has no mounting holes.

 $\boxtimes$  = Option not RoHS compliant

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E09C 443961-3 5-1218949-1 550-031NF1R6K 3-1236089-2 550E001NF1R3J0L 550T001NF1R6K0L 557T283NF5B08 DC121073157

443869-3 443869-4 443869-5 550S004NF1R1B0F03 557E283NF1A06 527-019NF0303R2K1F 5-446405-1 550-031NF1R2E

550E003M2R9J0F04 550E003M3R9J0F05 550E024M104R9J0 550E024NF102R3J0B 550E039NF1R3J1-02 550S003M3R9B0F05

550S004M4R7M0F04 550S004NF1R1B1F02 550S008M3F0K0F04 550S086M5R3J0L 550S100NF3F0E 550T001M2R7E0L

550T001NF1F0B1L 550T001NF1R1K0G 550T001NF1R3K0G