



Product Change Notification / SYST-29MSOD374

Date:

31-Mar-2023

Product Category:

Clock and Timing - Oscillators

PCN Type:

Document Change

Notification Subject:

ERRATA - DSC11xx and DSA11xx Family Silicon Errata

Affected CPNs:

[SYST-29MSOD374_Affected_CPN_03312023.pdf](#)

[SYST-29MSOD374_Affected_CPN_03312023.csv](#)

Notification Text:

SYST-29MSOD374

Microchip has released a new Errata for the DSC11xx and DSA11xx Family Silicon Errata of devices. If you are using one of these devices please read the document located at [DSC11xx and DSA11xx Family Silicon Errata](#).

Notification Status: Final

Description of Change: Added DSA (automotive) related documents to the errata.

Impacts to Data Sheet: None

Change Implementation Status: Complete

Date Document Changes Effective: 31 Mar 2023

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices: N/A

Attachments:

[DSC11xx and DSA11xx Family Silicon Errata](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

DSA1121WA1-100.0000VAO
DSC1101CM2-PROG
DSA1121CA2-040.0000VAO
DSA1121CA1-016.0000VAO
DSA1121CA2-024.0000VAO
DSA1121CA2-008.0000VAO
DSA1125CA1-012.0000VAO
DSA1101CA2-010.0000VAO
DSA1121CA1-012.0000VAO
DSA1101CA1-025.0000VAO
DSA1124CA1-100.0000VAO
DSA1103CA2-020.0000VAO
DSC1101BM2-PROG
DSA1121BA2-025.0000VAO
DSA1101BA3-080.0000VAO
DSA1101BA3-008.0000VAO
DSA1101BA3-016.0000VAO
DSA1101BA3-025.0000VAO
DSA1101BA3-020.0000VAO
DSA1121BA2-020.0000VAO
DSA1101BA3-008.9120VAO
DSA1101BA3-062.5000VAO
DSC1101AM2-PROG
DSC1101DM2-PROG
DSA1101DA1-033.3330VAO
DSA1121DA2-027.0000VAO
DSA1125DA1-033.3333VAO
DSA1125DA1-027.0000VAO
DSA1101DA1-007.3700VAO
DSA1101DA3-122.8800VAO
DSA1101DA1-026.9973VAO
DSA1101DA1-040.0000VAO
DSA1121DA3-008.0000VAO
DSA1121DA3-016.0000VAO
DSA1121DA3-020.0000VAO
DSA1121DA2-050.0000VAO
DSA1121DA2-100.0000VAO
DSA1121DA2-125.0000VAO
DSA1101DA2-020.0000VAO
DSA1121DA1-100.0000VAO
DSA1121DA3-004.0000VAO
DSA1101DA1-004.0000VAO
DSA1101DA3-054.0000VAO
DSA1101DA2-050.0000VAO
DSA1121DA3-030.0000VAO
DSA1101DA3-125.0000VAO

DSA1101DA1-016.0000VAO
DSA1101DA1-008.0000VAO
DSA1123DA1-100.0000VAO
DSA1101DA1-025.0000VAO
DSA1101DA2-025.0000VAO
DSA1101DA1-022.5792VAO
DSA1105DA1-022.5792VAO
DSA1121DA2-025.0000VAO
DSC1101CM1-008.0000
DSC1101CM1-025.0000
DSC1101CM2-020.0000
DSC1101CM2-062.2080
DSC1121CM1-016.0000
DSC1121CM1-024.0000
DSC1121CM1-025.0000
DSC1121CM1-026.5625
DSC1121CM1-027.0000
DSC1121CM1-050.0000
DSC1121CM1-075.0000
DSC1121CM2-033.3333
DSC1121CM2-024.5454
DSC1121CM2-027.0000
DSC1121CM2-062.2080
DSC1101CM1-075.0000
DSC1101CM1-005.0000
DSC1101CM1-033.3333
DSC1121CM2-040.0000
DSC1101CM2-008.0000
DSC1121CM2-006.7800
DSC1121CM1-012.0000
DSC1121CM1-012.2880
DSC1121CM1-040.0000
DSC1101CM2-012.0000
DSC1101CM2-048.0000
DSC1121CM1-066.6660
DSC1121CM1-100.0000
DSC1121CM1-036.0000
DSC1121CM1-018.0000
DSC1101CM1-040.0000
DSC1121CM2-008.0000
DSC1121CM2-025.0000
DSC1121CM1-030.0000
DSC1101CM3-024.0000
DSC1121CM1-014.7456
DSC1101CM1-032.0000
DSC1121CM1-032.0000
DSC1121CM2-003.1152
DSC1121CM1-003.1152
DSC1121CM1-005.5296

DSC1121CM2-024.0000
DSC1101BM2-025.0000
DSC1101BM2-100.0000
DSC1121BM1-008.0000
DSC1121BM1-025.0000
DSC1121BM1-030.0000
DSC1121BM1-048.0000
DSC1121BM1-100.0000
DSC1121BM2-007.3728
DSC1101BM2-074.2500
DSC1121BM1-010.0000
DSC1121BM1-024.0000
DSC1101BM2-027.0000
DSC1121BM1-050.0000
DSC1121BM2-016.0000
DSC1121BM2-030.0000
DSC1101BM2-050.0000
DSC1101BM2-054.0000
DSC1121BM1-024.5760
DSC1121BM1-060.0000
DSC1121BM1-016.0000
DSC1121BM1-026.0000
DSC1121BM1-012.2880
DSC1121BM2-131.0720
DSC1121BM2-020.0000
DSC1121BM2-025.0000
DSC1121BM2-032.0000
DSC1121BM1-032.0000
DSC1121BM1-014.7456
DSC1121BM1-005.5296
DSC1101AM1-160.0000
DSC1101AM2-004.0000
DSC1101AM2-100.0000
DSC1121AM2-004.0000
DSC1121AM2-010.0000
DSC1121AM2-016.0000
DSC1121AM2-024.0000
DSC1121AM2-024.5760
DSC1121AM2-025.0000
DSC1121AM2-027.0000
DSC1121AM2-033.3330
DSC1121AM2-050.0000
DSC1121AM2-066.6660
DSC1121AM2-125.0000
DSC1121AM1-100.0000
DSC1121AM2-008.0000
DSC1101AM2-014.3950
DSC1121AM1-010.0000
DSC1101AM2-030.0000

DSC1121AM1-020.0000
DSC1121AM1-027.0000
DSC1121AM1-012.2880
DSC1103AM1-287.0000
DSC1121AM1-032.7680
DSC1121AM1-014.7456
DSC1121AM1-041.5000
DSC1121AM2-041.5000
DSC1121AM1-029.4912
DSC1121AM1-024.5760
DSC1121AM1-033.0000
DSC1101AM2-156.2500
DSC1121AM1-064.0000
DSC1121AM1-026.0000
DSC1121AM1-024.0000
DSC1121NM1-100.0000
DSC1101DM1-033.3330
DSC1101DM2-016.0000
DSC1101DM2-020.0000
DSC1101DM2-025.0000
DSC1101DM2-125.0000
DSC1121DM2-007.3728
DSC1121DM2-125.0000
DSC1101DM1-012.0000
DSC1101DM2-012.0000
DSC1101DM2-004.0000
DSC1101DM1-033.3333
DSC1101DM2-033.3333
DSC1121DM1-033.3333
DSC1101DM2-008.0000
DSC1101DM2-024.0000
DSC1121DM1-030.0000
DSC1101DM1-080.0000
DSC1121DM2-025.0000
DSC1121DM2-033.0000
DSC1121DM2-016.6400
DSC1121DM2-014.7456
DSC1101DM2-007.3700
DSC1121DM3-032.0000
DSC1101DM1-032.0000
DSC1101DM1-007.3700
DSC1101DM2-040.0000
DSC1121DM2-026.0000
DSC1121DM2-019.2000
DSC1101DM2-048.0000
DSC1101DM1-020.0000
DSC1101DM2-050.0000
DSC1101DM2-100.0000
DSC1101CI1-148.3516

DSC1101CI1-148.5000
DSC1101CI2-014.7456
DSC1101CI2-025.0000
DSC1101CI2-030.0000
DSC1101CI2-050.0000
DSC1101CI2-100.0000
DSC1101CI5-020.0000
DSC1101CI5-022.5791
DSC1101CI5-024.5760
DSC1101CI5-050.0000
DSC1102CI1-125.0000
DSC1102CI5-025.0000
DSC1102CI5-040.0000
DSC1102CI5-062.5000
DSC1103CI1-156.2500
DSC1102CI5-200.0000
DSC1103CI1-075.0000
DSC1103CI1-100.0000
DSC1103CI1-200.0000
DSC1103CI2-100.0000
DSC1103CI2-125.0000
DSC1103CI2-148.5000
DSC1103CI2-156.2500
DSC1103CI5-025.0000
DSC1103CI5-050.0000
DSC1103CI5-075.0000
DSC1103CI5-100.0000
DSC1103CI5-106.2500
DSC1103CI5-114.0000
DSC1103CI5-140.0000
DSC1103CI5-148.5000
DSC1121CI2-014.7456
DSC1103CI5-200.0000
DSC1103CI5-233.3333
DSC1103CI5-300.0000
DSC1121CI1-024.0000
DSC1121CI1-025.0000
DSC1103CI1-125.0000
DSC1121CI2-024.0000
DSC1121CI2-025.0000
DSC1121CI2-031.2500
DSC1121CI2-066.6660
DSC1121CI2-050.0000
DSC1121CI2-100.0000
DSC1121CI2-115.0000
DSC1121CI2-125.0000
DSC1121CI2-132.0000
DSC1121CI2-168.0000
DSC1121CI5-016.0000

DSC1121CI5-022.5000
DSC1121CI5-040.0000
DSC1121CI5-045.0000
DSC1121CI5-049.1520
DSC1122CI1-125.0000
DSC1122CI1-156.2500
DSC1122CI2-050.0000
DSC1122CI2-156.2500
DSC1122CI2-125.0000
DSC1122CI2-150.0000
DSC1122CI5-025.0000
DSC1122CI5-200.0000
DSC1121CI2-024.5760
DSC1121CI2-020.0000
DSC1122CI2-103.1250
DSC1101CI5-025.0000
DSC1103CI5-224.8200
DSC1101CI1-025.0000
DSC1103CI2-148.3500
DSC1103CI2-200.0000
DSC1103CI5-233.2090
DSC1121CL2-040.0000
DSC1121CI1-050.0000
DSC1121CI5-016.6667
DSC1121CI5-025.0000
DSC1121CI5-027.0000
DSC1121CI5-066.0000
DSC1121CI5-117.0000
DSC1103CI1-122.8800
DSC1121CI2-027.0000
DSC1101CI1-125.0000
DSC1102CI5-150.0000
DSC1104CI5-125.0000
DSC1121CI2-066.6667
DSC1102CI1-050.0000
DSC1102CI1-156.2500
DSC1102CI1-025.0000
DSC1122CI5-100.0000
DSC1102CI5-156.2500
DSC1104CI2-316.0000
DSC1103CI5-125.0000
DSC1101CI1-008.0000
DSC1101CI1-010.0000
DSC1101CI5-125.0000
DSC1122CI5-050.0000
DSC1121CI2-155.5200
DSC1122CI2-212.5000
DSC1103CI5-045.0000
DSC1101CI5-100.0000

DSC1104CI1-027.0000
DSC1101CI5-027.0000
DSC1103CI5-180.0000
DSC1121CI2-008.0000
DSC1101CI5-026.0000
DSC1103CI5-156.2500
DSC1103CI5-016.0000
DSC1103CI2-106.2500
DSC1103CI2-074.2500
DSC1103CI2-050.0000
DSC1102CI1-135.0000
DSC1104CI2-027.0000
DSC1122CI5-433.9200
DSC1103CI5-150.0000
DSC1121CI5-026.0000
DSC1103CI3-200.0000
DSC1103CI3-125.0000
DSC1103CI5-250.0000
DSC1103CI2-250.0000
DSC1103CI2-300.0000
DSC1101CI1-012.0000
DSC1102CI2-400.0000
DSC1101CI2-133.0000
DSC1101CI5-032.0000
DSC1101CI2-032.0000
DSC1104CI2-100.0000
DSC1121CI2-080.0000
DSC1101CI1-050.0000
DSC1101CI2-066.6667
DSC1101CI2-125.0000
DSC1101CI1-018.7500
DSC1103CI2-052.0000
DSC1103CI5-075.0300
DSC1103CI5-033.3330
DSC1103CI2-024.0000
DSC1103CI2-025.0000
DSC1101CI5-048.0000
DSC1102CI2-148.5000
DSC1101CI5-072.0000
DSC1103CI1-026.0000
DSC1103CI1-027.0000
DSC1102CI2-156.2500
DSC1103CI5-026.0000
DSC1103CI5-027.0000
DSC1101CI1-085.2070
DSC1101CI5-024.0000
DSC1101CI2-020.0000
DSC1103CI5-103.1250
DSC1103CI2-103.1250

DSC1103CI3-100.0000
DSC1103CI3-250.0000
DSC1104CI3-027.0000
DSC1102CI1-108.0000
DSC1121CI2-045.1580
DSC1121CI2-049.1520
DSC1121CI2-045.1584
DSC1121CI2-014.3181
DSC1121CI5-045.1584
DSC1121CI5-024.0000
DSC1101CI2-060.0000
DSC1103CI2-072.0000
DSC1101CI2-036.0000
DSC1103CI3-060.0000
DSC1103CI3-150.0000
DSC1103CI3-175.0000
DSC1103CI1-150.0000
DSC1103CI2-066.0000
DSC1102CI5-020.0000
DSC1101CI5-016.0000
DSC1101CI5-008.0000
DSC1121CI2-066.0000
DSC1103CI2-133.3300
DSC1102CI1-212.5000
DSC1103CI1-300.0000
DSC1104CI2-200.0000
DSC1101CI5-157.2864
DSC1101CI1-024.0000
DSC1101CI5-040.0000
DSC1121CI2-156.0063
DSC1103CI3-135.0000
DSC1121CI2-045.0000
DSC1121CI2-055.0000
DSC1122CI5-048.0000
DSA1101CI1-050.0000VAO
DSA1121CI2-012.0000VAO
DSA1103CI1-125.0000VAO
DSA1123CI2-156.2500VAO
DSA1101CI2-024.3050VAO
DSA1124CI1-027.0000VAO
DSA1121CI2-020.0000VAO
DSA1101CI1-020.0000VAO
DSA1124CI2-100.0000VAO
DSA1124CI1-038.4000VAO
DSA1104CI3-020.0032VAO
DSA1105CI1-025.0000VAO
DSC1101BI5-022.5792
DSC1101BI5-024.5760
DSC1101BI5-050.0000

DSC1102BI5-108.0000
DSC1103BI2-150.0000
DSC1104BI5-100.0000
DSC1121BI2-025.0000
DSC1121BI2-050.0000
DSC1122BI5-036.7000
DSC1122BI2-150.0000
DSC1122BI2-156.2500
DSC1121BI2-080.0000
DSC1122BI2-100.0000
DSC1122BI2-114.2850
DSC1122BI2-155.5200
DSC1102BI1-100.0000
DSC1122BI1-100.0000
DSC1121BI2-012.2880
DSC1101BI5-133.0000
DSC1102BI2-125.0000
DSC1102BI2-153.6000
DSC1103BI2-125.0000
DSC1121BI2-025.0007
DSC1121BI2-156.2540
DSC1102BI2-100.0000
DSC1122BI5-400.0000
DSC1104BI2-100.0000
DSC1121BI2-100.0000
DSC1121BI2-125.0000
DSC1122BI2-156.2539
DSC1103BI2-100.0000
DSC1103BI2-135.0000
DSC1103BI2-148.5000
DSC1102BI2-156.2500
DSC1102BI2-155.2500
DSC1102BI2-114.2850
DSC1101BI2-125.0000
DSC1121BI2-022.5792
DSC1101BI2-024.5760
DSC1121BI2-114.2850
DSC1121BI2-024.5760
DSC1121BI2-033.3330
DSC1102BI2-155.5200
DSC1122BI2-156.2570
DSC1122BI2-020.0000
DSC1122BI2-322.0000
DSC1121BI1-008.0000
DSC1121BI2-156.2500
DSC1103BI2-200.0000
DSC1121BI2-016.3840
DSC1121BI2-020.0000
DSC1121BI2-131.0720

DSC1103BI2-050.0000
DSC1101BI2-125.0031
DSC1102BI1-010.0000
DSC1101BI5-010.0000
DSC1122BI2-125.0000
DSC1122BI1-025.0000
DSC1121BI2-008.0000
DSC1101BI3-025.0000
DSC1101BI2-125.0037
DSC1121BI5-022.5792
DSC1121BI5-024.5760
DSC1121BI3-100.0000
DSC1121BI5-024.0000
DSC1121BI2-012.0000
DSC1101BI2-008.0000
DSC1103BI2-062.5000
DSC1101BI5-016.0000
DSC1101BI5-012.0000
DSC1101BI5-020.0000
DSC1121BI5-045.1854
DSC1121BI5-049.1520
DSC1104BI1-027.0000
DSC1101BI3-013.5600
DSC1101BI2-027.1200
DSC1121BI1-020.0000
DSC1101BI1-145.2000
DSC1103BI1-156.2500
DSC1122BI3-166.6000
DSC1121BI5-125.0000
DSC1121BI5-025.6000
DSC1121BI2-040.6800
DSC1103BI2-235.0000
DSC1103BI5-148.5000
DSC1103BI2-156.2500
DSC1121BI5-156.2500
DSC1122BI2-133.3300
DSC1121BI2-125.0037
DSA1121BI2-028.6364VAO
DSA1121BI2-027.0000VAO
DSA1101BI3-040.0000VAO
DSA1101BI1-145.2000VAO
DSA1121BI3-016.0000VAO
DSA1101BI2-050.0000VAO
DSA1121BI2-033.3330VAO
DSA1101BI3-034.3680VAO
DSA1121BI3-012.2880VAO
DSA1101BI1-025.0000VAO
DSA1105BI1-025.0000VAO
DSC1121AI2-156.2500

DSC1101AI2-148.5000
DSC1102AI1-100.0000
DSC1103AI1-125.0000
DSC1103AI2-100.0000
DSC1103AI2-125.0000
DSC1103AI2-171.8181
DSC1103AI2-200.0000
DSC1103AI5-120.0000
DSC1103AI5-125.0000
DSC1103AI5-156.2500
DSC1103AI5-250.0000
DSC1104AI2-100.0000
DSC1121AI1-025.0000
DSC1121AI1-125.0000
DSC1121AI2-025.0000
DSC1121AI2-026.0000
DSC1121AI2-050.0000
DSC1121AI2-125.0000
DSC1121AI5-020.0000
DSC1121AI5-050.0000
DSC1121AI5-125.0032
DSC1122AI1-125.0000
DSC1122AI2-019.4400
DSC1122AI2-106.2500
DSC1122AI2-150.0000
DSC1122AI2-155.5200
DSC1122AI2-156.2500
DSC1122AI2-425.0000
DSC1122AI2-156.2539
DSC1122AI5-077.7600
DSC1122AI5-125.0000
DSC1122AI5-133.3300
DSC1122AI5-155.5200
DSC1122AI5-156.2500
DSC1102AI2-156.2540
DSC1121AI2-150.0000
DSC1101AI2-080.0000
DSC1101AI2-040.0000
DSC1101AI2-064.0000
DSC1121AI2-148.5000
DSC1122AI5-025.0020
DSC1121AI2-020.0000
DSC1101AI5-019.4400
DSC1101AI2-125.0000
DSC1101AI2-120.0000
DSC1122AI2-050.0000
DSC1101AI5-099.7200
DSC1121AI1-027.0000
DSC1101AI2-025.0000

DSC1121AI2-162.0000
DSC1101AI5-156.2500
DSC1101AI2-156.2500
DSC1101AI5-056.3200
DSC1101AI5-048.0000
DSC1121AI2-012.2880
DSC1121AI5-100.0000
DSC1121AI5-027.0000
DSC1121AI2-010.0000
DSC1121AI2-061.4400
DSC1101AI5-032.0000
DSC1103AI2-148.5000
DSC1102AI2-167.3320
DSC1101AI5-010.0000
DSC1122AI2-100.3000
DSC1101AI2-150.0000
DSC1103AI1-155.5200
DSC1103AI1-161.1328
DSC1103AI2-125.0031
DSC1122AI2-125.0000
DSC1101AI5-080.0000
DSC1101AI5-064.0000
DSC1102AI1-156.2500
DSC1102AI2-156.2500
DSC1121AI2-013.0000
DSC1103AI2-148.0000
DSC1121AI3-025.0000
DSC1101AI2-027.0000
DSC1101AI1-008.0000
DSC1101AI5-060.0000
DSC1121AI5-022.5792
DSC1102AI5-156.2500
DSC1122AI5-025.0007
DSC1103AI2-300.0000
DSC1121AI2-008.0000
DSC1121AI2-016.0000
DSC1121AI2-066.6660
DSC1121AI2-033.3330
DSC1121AI1-156.2500
DSC1121AI1-090.0000
DSC1101AI5-114.2850
DSC1101AI3-125.0000
DSC1103AI5-180.0000
DSC1121AI5-008.0000
DSC1102AI2-106.0000
DSC1102AI5-160.0000
DSC1102AI5-400.0000
DSC1121AI2-159.3750
DSC1121AI2-053.1250

DSC1121AI2-081.0000
DSC1121AI2-041.5000
DSC1121AI5-041.5000
DSC1121AI1-041.5000
DSC1103AI2-156.2500
DSC1101AI2-066.6666
DSC1121AI1-100.0000
DSC1102AI1-250.0000
DSC1121AI1-064.0000
DSC1102AI1-050.0000
DSC1122AI1-159.3750
DSC1101AI1-025.0000
DSC1121AI1-002.5000
DSC1101NI1-125.0062
DSC1101NI1-156.2500
DSC1101NI5-100.0000
DSC1103NI2-400.0000
DSC1121NI2-018.4320
DSC1122NI2-150.0000
DSC1101NI5-025.0000
DSC1101NI5-020.0000
DSC1101NI5-012.8000
DSC1101NI5-016.3840
DSC1104NI2-100.0000
DSC1122NI5-025.0020
DSC1122NI2-050.0000
DSC1103NI2-125.0000
DSC1121NI1-100.0000
DSC1121NI2-125.0000
DSC1121NI2-025.0000
DSC1101NI1-050.0000
DSC1102NI5-156.2500
DSC1122NI2-156.2500
DSC1103NI2-148.5000
DSC1103NI2-156.2500
DSC1101NI5-018.7500
DSC1122NI2-148.5000
DSC1101NI2-050.0000
DSC1103NI1-135.0000
DSC1122NI5-025.0007
DSC1103NI5-150.0000
DSC1122NI5-200.0000
DSC1102NI5-400.0000
DSC1102NI5-200.0000
DSC1101NI2-025.0000
DSC1101NI2-018.7500
DSC1121DI2-024.0000
DSC1101DI2-025.0000
DSC1101DI5-020.0000

DSC1101DI5-026.0000
DSC1101DI5-072.0000
DSC1102DI1-156.2500
DSC1101DI5-060.0000
DSC1103DI2-019.2000
DSC1103DI2-125.0000
DSC1103DI2-148.5000
DSC1103DI2-200.0000
DSC1103DI2-312.5000
DSC1103DI2-400.0000
DSC1103DI5-171.8181
DSC1104DI1-100.0000
DSC1104DI1-156.2500
DSC1121DI1-036.0000
DSC1121DI1-025.0000
DSC1121DI2-011.0590
DSC1121DI2-022.5792
DSC1121DI2-024.5760
DSC1121DI2-027.0000
DSC1121DI2-125.0000
DSC1121DI5-034.3680
DSC1121DI5-044.0000
DSC1121DI5-044.7360
DSC1122DI2-100.0000
DSC1122DI2-106.2500
DSC1121DI2-025.0000
DSC1121DI5-010.0000
DSC1103DI5-125.0060
DSC1101DI1-025.0000
DSC1121DI1-026.6000
DSC1122DI2-200.0000
DSC1103DI2-148.3500
DSC1103DI5-010.0000
DSC1103DI5-022.0000
DSC1103DI5-032.0000
DSC1121DI5-008.0000
DSC1121DI2-156.2500
DSC1101DI1-012.0000
DSC1101DI5-012.0000
DSC1101DI1-150.0000
DSC1101DI5-016.0000
DSC1101DI2-050.6880
DSC1103DI2-048.0000
DSC1101DI5-030.2400
DSC1122DI2-050.0000
DSC1103DI5-360.0000
DSC1101DI1-125.0000
DSC1101DI5-013.5288
DSC1101DI5-032.0000

DSC1122DI2-156.2500
DSC1101DI2-049.1520
DSC1101DI1-038.0000
DSC1121DI5-100.0000
DSC1103DI2-100.0000
DSC1103DI2-108.0000
DSC1121DI5-072.0000
DSC1121DI5-050.0000
DSC1121DI5-032.0000
DSC1121DI1-100.0000
DSC1102DI5-135.0000
DSC1101DI3-025.0000
DSC1103DI2-135.0000
DSC1121DI2-010.0000
DSC1101DI1-100.0000
DSC1102DI2-125.0000
DSC1101DI5-024.0000
DSC1101DI5-100.0000
DSC1101DI5-045.1584
DSC1101DI5-049.1520
DSC1101DI5-018.4320
DSC1121DI3-050.0000
DSC1102DI2-156.2500
DSC1103DI5-074.2500
DSC1103DI5-200.0000
DSC1103DI5-100.0000
DSC1101DI3-012.0000
DSC1101DI2-060.0000
DSC1122DI5-272.8000
DSC1121DI2-100.0000
DSC1103DI5-300.0000
DSC1101DI5-025.0000
DSC1101DI5-036.0000
DSC1101DI1-036.0000
DSC1103DI5-160.0000
DSC1101DI2-012.0000
DSC1101DI5-125.0000
DSC1104DI2-100.0000
DSC1102DI1-212.5000
DSC1102DI2-212.5000
DSC1104DI5-100.0000
DSC1121DI1-048.0000
DSC1122DI2-121.1090
DSC1101DI1-033.3330
DSC1103DI2-250.0000
DSC1121DI5-125.0000
DSC1103DI1-156.2500
DSC1103DI2-156.2500
DSC1103DI1-080.0000

DSC1121DI1-080.0000
DSA1121DI3-033.3333VAO
DSA1101DI1-050.0000VAO
DSA1101DI1-004.0000VAO
DSA1123DI2-156.2500VAO
DSA1121DI2-025.0000VAO
DSC1101CE1-024.0000
DSC1101CL2-016.3840
DSC1101CL2-020.0000
DSC1101CL5-027.0000
DSC1101CL5-040.0000
DSC1103CE1-200.0000
DSC1103CE2-135.0000
DSC1103CE2-200.0000
DSC1103CE5-150.0000
DSC1103CE5-156.2500
DSC1103CL5-106.2500
DSC1121CE1-016.0000
DSC1121CE1-025.0012
DSC1121CE5-012.2880
DSC1121CE5-024.5670
DSC1121CE2-025.0000
DSC1121CL2-024.7500
DSC1121CL2-025.0000
DSC1121CL2-050.0000
DSC1121CL5-050.0000
DSC1122CE1-125.0000
DSC1101CL5-100.0000
DSC1103CE1-125.0000
DSC1101CL5-014.7456
DSC1121CE1-133.3333
DSC1103CE1-156.2500
DSC1121CE5-050.0000
DSC1101CL2-024.7500
DSC1101CL3-PROG
DSC1101CL5-PROG
DSC1101CE2-100.0000
DSC1103CE5-100.0000
DSC1103CL5-100.0000
DSC1103CE5-045.0000
DSC1121CE1-125.0000
DSC1103CE1-266.7000
DSC1103CE1-233.3000
DSC1121CL5-150.0000
DSC1122CL2-156.2500
DSC1121CE1-033.3333
DSC1121CE5-033.3333
DSC1101CE5-010.0000
DSC1101CL2-040.0000

DSC1121CL1-024.0000
DSC1121CL1-028.6364
DSC1121CL1-027.0000
DSC1103CL5-150.0000
DSC1103CE2-156.2500
DSC1101CE2-045.1584
DSC1101CE2-049.1520
DSC1104CE2-027.0000
DSC1121CE1-025.6000
DSC1121CL5-040.0000
DSC1121CL5-080.0000
DSC1101CL1-125.0000
DSC1101CL5-030.0000
DSC1101CE5-025.0000
DSC1101CE2-025.0000
DSC1103CL2-233.3333
DSC1101CE1-024.5790
DSC1101CE1-022.5792
DSC1101CE1-011.2896
DSC1101CL5-052.5000
DSC1101CE1-024.5760
DSC1103CL2-333.3333
DSC1101CE5-024.0000
DSC1101CE5-100.0000
DSC1101CE5-045.1854
DSC1101CE5-049.1520
DSC1103CL2-125.0000
DSC1103CL2-052.0000
DSC1103CL5-033.3330
DSC1103CL5-075.0300
DSC1101CE5-022.5792
DSC1101CE5-024.5760
DSC1101CL3-025.0000
DSC1121CL5-033.3333
DSC1121CE5-002.4880
DSC1101CE1-100.0000
DSC1101CE1-054.0000
DSC1122CL1-135.0000
DSC1121CL1-050.0000
DSC1101CL2-025.0000
DSC1101CL2-050.0000
DSC1101CL2-100.0000
DSC1101CL2-125.0000
DSC1103CL1-075.0000
DSC1103CL1-200.0000
DSC1103CL1-100.0000
DSC1103CL1-125.0000
DSC1103CL1-150.0000
DSC1103CL1-026.0000

DSC1103CL1-027.0000
DSC1103CL3-093.4400
DSC1103CL3-100.0000
DSC1103CL3-125.0000
DSC1103CL3-250.0000
DSC1101CE1-080.0000
DSC1103CL1-020.0000
DSC1121CE1-030.0000
DSC1121CE2-030.0000
DSC1101CE3-024.0000
DSC1121CE5-025.0000
DSC1121CL5-027.0000
DSC1101CE5-045.1584
DSC1103CE5-135.0000
DSC1103CE1-100.0000
DSC1101CL2-026.0000
DSC1121CE1-124.2000
DSC1121CL2-020.5710
DSC1121CL5-125.0000
DSC1121CL2-024.0000
DSC1121CL5-003.3000
DSC1103CL5-156.2500
DSC1103CL5-125.0000
DSC1103CE5-254.6500
DSC1104CL1-100.0000
DSC1103CE2-020.0000
DSC1103CL5-135.0000
DSC1103CL5-148.5000
DSC1103CE2-100.0000
DSC1103CL5-200.0000
DSC1101CE2-050.0000
DSA1101CL2-033.3300VAO
DSA1101CL2-032.0000VAO
DSA1101CL2-020.0000VAO
DSA1101CL1-008.0000VAO
DSA1101CL1-016.0000VAO
DSA1123CL2-100.0000VAO
DSA1123CL2-125.0000VAO
DSA1123CL2-026.0000VAO
DSA1124CL2-100.0000VAO
DSA1123CL2-150.0000VAO
DSA1123CL2-135.0000VAO
DSA1103CL1-075.0000VAO
DSA1103CL2-100.0000VAO
DSA1101CL3-033.3300VAO
DSA1104CL1-156.2500VAO
DSA1104CL2-156.2500VAO
DSA1123CL3-100.0000VAO
DSC1103BE1-150.0000

DSC1103BL2-125.0000
DSC1103BL2-200.0000
DSC1121BE2-100.0000
DSC1121BE5-025.0000
DSC1122BE1-133.3300
DSC1122BE2-050.0000
DSC1122BE2-150.0000
DSC1103BL5-062.5000
DSC1104BE2-100.0000
DSC1103BE5-156.2500
DSC1122BE1-156.2500
DSC1101BE5-024.5760
DSC1101BE5-022.5792
DSC1121BE2-155.5200
DSC1101BE1-012.0000
DSC1121BL5-108.7200
DSC1121BL5-110.5400
DSC1101BL3-PROG
DSC1101BL5-PROG
DSC1121BE5-024.0000
DSC1121BL5-012.0000
DSC1122BE2-156.2500
DSC1102BE2-312.5000
DSC1121BL3-016.0000
DSC1121BL3-012.2880
DSC1121BE5-144.0800
DSC1103BE5-150.0000
DSC1101BL5-024.0000
DSC1122BE5-123.0000
DSC1101BE3-024.0000
DSC1122BL2-018.4320
DSC1101BL5-018.4320
DSC1121BL5-025.0000
DSC1101BL5-022.1184
DSC1103BE1-156.2500
DSC1103BL1-100.0000
DSC1104BE2-027.0000
DSC1121BE5-098.3040
DSC1103BL5-026.8800
DSC1121BL2-040.6800
DSC1103BE5-100.0000
DSC1103BE5-300.0000
DSA1101BL3-050.0000VAO
DSA1101BL2-050.0000VAO
DSA1101BL2-040.0000VAO
DSA1123BL3-100.0000VAO
DSA1103BL1-048.0000VAO
DSA1101BL3-040.0000VAO
DSA1103BL2-200.0000VAO

DSC1101AE1-050.0000
DSC1101AE1-125.0000
DSC1101AE1-133.0000
DSC1101AE5-007.6800
DSC1101AE5-040.6080
DSC1102AE5-412.5000
DSC1102AE1-148.5000
DSC1121AE1-024.0000
DSC1121AE1-156.2500
DSC1121AE2-025.0000
DSC1121AE2-156.2500
DSC1121AL2-020.0000
DSC1121AL2-025.0000
DSC1122AE1-075.0000
DSC1122AE2-156.2500
DSC1121AE1-025.0000
DSC1121AL5-010.0000
DSC1121AL5-100.0000
DSC1103AE2-135.0000
DSC1121AE5-010.0000
DSC1122AE1-100.0000
DSC1101AE1-170.0000
DSC1102AE1-125.0000
DSC1101AL5-112.4400
DSC1103AL2-147.4560
DSC1121AL5-112.2400
DSC1121AE5-022.5792
DSC1121AE5-024.5760
DSC1121AE1-040.0000
DSC1121AL5-170.0000
DSC1121AL5-024.5760
DSC1121AL5-022.5792
DSC1121AL5-125.0000
DSC1101AE2-027.1200
DSC1103AL1-100.0000
DSC1103AE2-212.5000
DSC1101AE5-032.0000
DSC1101AE1-011.0000
DSC1103AL2-125.0031
DSC1101AE1-002.3000
DSC1101AE1-016.0000
DSC1101AE2-016.3840
DSC1101AL3-PROG
DSC1101AL5-PROG
DSC1101AE3-084.6720
DSC1101AE3-090.3168
DSC1101AE3-098.3040
DSC1104AE2-145.2000
DSC1101AE5-022.5792

DSC1101AE5-024.5760
DSC1103AL1-287.0000
DSC1104AE1-100.0000
DSC1121AE5-012.0000
DSC1121AE1-010.0000
DSC1102AE5-416.0000
DSC1121AE5-005.2500
DSC1101AL5-045.1584
DSC1101AL5-049.1520
DSC1122AE1-005.0000
DSC1121AE2-004.9152
DSC1121AE2-133.0000
DSC1102AE2-400.0000
DSC1101AE1-090.0000
DSC1101AE1-024.0000
DSC1101AE3-024.0000
DSC1103AL5-150.0000
DSC1103AL5-015.0000
DSC1102AE2-155.5200
DSC1103AE3-416.0000
DSC1121AL5-041.5000
DSC1121AE2-041.5000
DSC1121AE5-041.5000
DSC1121AL2-041.5000
DSC1121AL1-041.5000
DSC1121AE1-041.5000
DSC1121AE1-004.0000
DSC1103AL1-125.0000
DSC1122AE2-075.0000
DSC1121AL5-012.0000
DSC1101AL2-156.2500
DSC1103AE2-085.0000
DSC1121AE5-025.0000
DSC1121AE1-006.1440
DSC1121AE5-020.0000
DSC1103NE1-125.0000
DSC1122NE1-025.0000
DSC1122NE2-156.2500
DSC1122NE1-133.3330
DSC1122NE1-150.0000
DSC1102NE1-148.5000
DSC1102NE1-125.0000
DSC1103NE1-114.2850
DSC1121NL1-025.0000
DSC1101NL3-PROG
DSC1101NL5-PROG
DSC1122NL2-025.0006
DSC1103NL2-147.4560
DSC1103NL2-098.3040

DSC1103NL5-125.0000
DSC1103NL2-100.0000
DSC1103NL2-106.2500
DSC1103NL2-135.0000
DSC1102NE3-075.0000
DSC1121NE2-020.0000
DSC1101DE2-008.0000
DSC1101DL1-033.3330
DSC1101DL1-100.0000
DSC1101DL2-040.0000
DSC1101DL5-050.0000
DSC1101DL5-013.5600
DSC1101DL5-025.0000
DSC1121DL2-024.7500
DSC1121DL2-025.0000
DSC1103DL5-125.0000
DSC1101DL5-052.8000
DSC1101DL1-027.0000
DSC1121DL2-008.0000
DSC1101DL5-020.0000
DSC1101DL5-016.0000
DSC1121DL2-032.0000
DSC1121DE1-050.0000
DSC1101DL2-050.6880
DSC1103DL2-147.4560
DSC1103DL2-156.2500
DSC1101DL1-150.0000
DSC1121DL5-026.0000
DSC1121DL1-025.0000
DSC1121DL1-033.0000
DSC1104DL1-027.0000
DSC1101DL5-024.5760
DSC1101DL5-018.4320
DSC1101DE5-040.0000
DSC1101DE5-012.2880
DSC1121DE2-025.0000
DSC1101DE2-049.1520
DSC1101DE2-045.1584
DSC1121DL2-072.0000
DSC1121DL1-040.0000
DSC1101DL3-PROG
DSC1101DL5-PROG
DSC1103DL1-025.0013
DSC1103DL2-025.0012
DSC1101DE2-024.5760
DSC1101DE2-022.5792
DSC1101DE2-100.0000
DSC1121DL5-072.0000
DSC1121DE5-072.0000

DSC1103DL2-100.0000
DSC1103DL2-122.8800
DSC1103DL2-098.3040
DSC1101DE2-012.0000
DSC1104DE5-100.0000
DSC1104DL3-100.0000
DSC1103DL5-156.2500
DSC1121DE1-010.0000
DSC1101DL2-033.3300
DSC1104DL2-026.0000
DSC1122DL2-220.0000
DSC1121DE3-150.3330
DSC1101DL1-020.0000
DSC1122DL1-072.0000
DSC1102DL1-212.5000
DSC1103DL5-027.0000
DSC1103DL5-100.0000
DSC1101DL2-025.0000
DSC1122DE5-254.6500
DSC1103DL5-063.5000
DSC1103DL2-135.0000
DSC1103DE5-254.6500
DSA1105DL1-027.0000VAO
DSA1105DL3-033.3330VAO
DSA1101DL3-026.0000VAO
DSA1101DL2-026.0000VAO
DSA1123DL2-125.0000VAO
DSA1123DL3-125.0000VAO
DSA1124DL1-100.0000VAO
DSA1103DL1-125.0000VAO
DSA1124DL2-024.0000VAO
DSA1124DL2-100.0000VAO
DSA1123DL1-100.0000VAO
DSA1101DL3-020.0000VAO
DSA1101DL3-016.0000VAO
DSA1123DL3-100.0000VAO
DSA1103DL2-156.2500VAO
DSA1101DL3-025.0000VAO
DSA1121DL2-033.3333VAO
DSC1101CL2-016.3840T
DSC1101CL5-027.0000T
DSC1103CE1-200.0000T
DSC1103CE2-135.0000T
DSC1101CL2-002.5000T
DSC1103CE2-200.0000T
DSC1103CE5-150.0000T
DSC1103CL5-106.2500T
DSC1121CE1-016.0000T
DSC1121CE1-025.0000T

DSC1121CE1-025.0012T
DSC1121CE1-075.0000T
DSC1121CE2-025.0000T
DSC1121CE2-100.0000T
DSC1121CL2-025.0000T
DSC1121CL2-050.0000T
DSC1121CL5-024.0000T
DSC1121CL5-048.0000T
DSC1101CL5-100.0000T
DSC1103CE1-125.0000T
DSC1101CL5-014.7456T
DSC1121CE1-133.3333T
DSC1103CE1-156.2500T
DSC1121CE5-050.0000T
DSC1121CL5-050.0000T
DSC1101CL2-024.7500T
DSC1101CL3-PROGT
DSC1101CL5-PROGT
DSC1101CE2-100.0000T
DSC1103CE5-100.0000T
DSC1103CL5-100.0000T
DSC1103CE5-045.0000T
DSC1121CE1-125.0000T
DSC1103CE1-266.7000T
DSC1103CE1-233.3000T
DSC1121CL5-150.0000T
DSC1122CL2-156.2500T
DSC1121CE1-033.3333T
DSC1121CE5-033.3333T
DSC1101CE5-010.0000T
DSC1101CL2-040.0000T
DSC1121CL1-024.0000T
DSC1121CL1-028.6364T
DSC1121CL1-027.0000T
DSC1103CL5-150.0000T
DSC1103CE2-156.2500T
DSC1101CE2-045.1584T
DSC1101CE2-049.1520T
DSC1104CE2-027.0000T
DSC1121CE1-025.6000T
DSC1121CL5-040.0000T
DSC1121CL5-080.0000T
DSC1101CL1-125.0000T
DSC1101CL5-030.0000T
DSC1101CE5-025.0000T
DSC1101CE2-025.0000T
DSC1103CL2-233.3333T
DSC1101CE1-024.5790T
DSC1101CE1-022.5792T

DSC1101CE1-011.2896T
DSC1101CL5-052.5000T
DSC1101CE1-024.5760T
DSC1103CL2-333.3333T
DSC1101CE5-024.0000T
DSC1101CE5-100.0000T
DSC1101CE5-045.1854T
DSC1101CE5-049.1520T
DSC1103CL2-125.0000T
DSC1103CL2-052.0000T
DSC1103CL5-033.3330T
DSC1103CL5-075.0300T
DSC1101CE5-022.5792T
DSC1101CE5-024.5760T
DSC1101CL3-025.0000T
DSC1121CL5-033.3333T
DSC1121CE5-002.4880T
DSC1101CE1-100.0000T
DSC1101CE1-054.0000T
DSC1122CL1-135.0000T
DSC1121CL1-050.0000T
DSC1101CL2-025.0000T
DSC1101CL2-050.0000T
DSC1101CL2-100.0000T
DSC1101CL2-125.0000T
DSC1103CL1-075.0000T
DSC1103CL1-200.0000T
DSC1103CL1-100.0000T
DSC1103CL1-125.0000T
DSC1103CL1-150.0000T
DSC1103CL1-026.0000T
DSC1103CL1-027.0000T
DSC1103CL3-093.4400T
DSC1103CL3-100.0000T
DSC1103CL3-125.0000T
DSC1103CL3-250.0000T
DSC1101CE1-080.0000T
DSC1103CL1-020.0000T
DSC1121CE1-030.0000T
DSC1121CE2-030.0000T
DSC1101CE3-024.0000T
DSC1121CE5-025.0000T
DSC1121CL5-027.0000T
DSC1101CE5-045.1584T
DSC1103CE5-135.0000T
DSC1103CE1-100.0000T
DSC1101CL2-026.0000T
DSC1121CE1-124.2000T
DSC1121CL2-020.5710T

DSC1121CL5-125.0000T
DSC1121CL2-024.0000T
DSC1121CL5-003.3000T
DSC1103CL5-156.2500T
DSC1103CL5-125.0000T
DSC1103CE5-254.6500T
DSC1104CL1-100.0000T
DSC1103CE2-020.0000T
DSC1103CL5-135.0000T
DSC1103CL5-148.5000T
DSC1103CE2-100.0000T
DSC1103CL5-200.0000T
DSC1101CE2-050.0000T
DSA1101CL2-033.3300TVAO
DSA1101CL2-032.0000TVAO
DSA1101CL2-020.0000TVAO
DSA1101CL1-008.0000TVAO
DSA1101CL1-016.0000TVAO
DSA1123CL2-100.0000TVAO
DSA1123CL2-125.0000TVAO
DSA1123CL2-026.0000TVAO
DSA1124CL2-100.0000TVAO
DSA1123CL2-150.0000TVAO
DSA1123CL2-135.0000TVAO
DSA1103CL1-075.0000TVAO
DSA1103CL2-100.0000TVAO
DSA1101CL3-033.3300TVAO
DSA1104CL1-156.2500TVAO
DSA1104CL2-156.2500TVAO
DSA1123CL3-100.0000TVAO
DSC1101BE1-050.0000T
DSC1102BE2-200.0000T
DSC1103BE1-150.0000T
DSC1103BL2-125.0000T
DSC1103BL2-200.0000T
DSC1121BE2-100.0000T
DSC1122BE1-133.3300T
DSC1122BE1-150.0000T
DSC1122BE2-050.0000T
DSC1122BE2-150.0000T
DSC1103BL5-062.5000T
DSC1104BE2-100.0000T
DSC1103BE5-156.2500T
DSC1122BE1-156.2500T
DSC1101BE5-024.5760T
DSC1101BE5-022.5792T
DSC1121BE2-155.5200T
DSC1101BE1-012.0000T
DSC1121BL5-108.7200T

DSC1121BL5-110.5400T
DSC1101BL3-PROGT
DSC1101BL5-PROGT
DSC1121BE5-024.0000T
DSC1121BL5-012.0000T
DSC1122BE2-156.2500T
DSC1102BE2-312.5000T
DSC1121BL3-016.0000T
DSC1121BL3-012.2880T
DSC1121BE5-144.0800T
DSC1103BE5-150.0000T
DSC1101BL5-024.0000T
DSC1122BE5-123.0000T
DSC1101BE3-024.0000T
DSC1122BL2-018.4320T
DSC1101BL5-018.4320T
DSC1121BL5-025.0000T
DSC1101BL5-022.1184T
DSC1103BE1-156.2500T
DSC1103BL1-100.0000T
DSC1104BE2-027.0000T
DSC1121BE5-098.3040T
DSC1103BL5-026.8800T
DSC1121BL2-040.6800T
DSC1103BE5-100.0000T
DSC1103BE5-300.0000T
DSA1101BL3-050.0000TVAO
DSA1101BL2-050.0000TVAO
DSA1101BL2-040.0000TVAO
DSA1123BL3-100.0000TVAO
DSA1103BL1-048.0000TVAO
DSA1101BL3-040.0000TVAO
DSA1103BL2-200.0000TVAO
DSC1101AE1-125.0000T
DSC1103AE1-100.0000T
DSC1102AE1-148.5000T
DSC1121AE1-075.0000T
DSC1121AE1-125.0000T
DSC1121AE2-020.0000T
DSC1121AE2-025.0000T
DSC1121AE2-075.0000T
DSC1121AE2-156.2500T
DSC1121AE1-025.0000T
DSC1121AL5-010.0000T
DSC1121AL5-100.0000T
DSC1103AE2-135.0000T
DSC1121AE5-010.0000T
DSC1122AE1-100.0000T
DSC1101AE1-170.0000T

DSC1102AE1-125.0000T
DSC1101AL5-112.4400T
DSC1103AL2-147.4560T
DSC1121AL5-112.2400T
DSC1121AE5-022.5792T
DSC1121AE5-024.5760T
DSC1121AE1-040.0000T
DSC1121AL5-170.0000T
DSC1121AL5-024.5760T
DSC1121AL5-022.5792T
DSC1121AL5-125.0000T
DSC1101AE2-027.1200T
DSC1103AL1-100.0000T
DSC1103AE2-212.5000T
DSC1101AE5-032.0000T
DSC1101AE1-011.0000T
DSC1103AL2-125.0031T
DSC1101AE1-002.3000T
DSC1101AE1-016.0000T
DSC1101AE2-016.3840T
DSC1101AL3-PROGT
DSC1101AL5-PROGT
DSC1101AE3-084.6720T
DSC1101AE3-090.3168T
DSC1101AE3-098.3040T
DSC1104AE2-145.2000T
DSC1101AE5-022.5792T
DSC1101AE5-024.5760T
DSC1103AL1-287.0000T
DSC1104AE1-100.0000T
DSC1121AE5-012.0000T
DSC1121AE1-010.0000T
DSC1102AE5-416.0000T
DSC1121AE5-005.2500T
DSC1101AL5-045.1584T
DSC1101AL5-049.1520T
DSC1122AE1-005.0000T
DSC1121AE2-004.9152T
DSC1121AE2-133.0000T
DSC1102AE2-400.0000T
DSC1101AE1-090.0000T
DSC1101AE1-024.0000T
DSC1101AE3-024.0000T
DSC1103AL5-150.0000T
DSC1103AL5-015.0000T
DSC1102AE2-155.5200T
DSC1103AE3-416.0000T
DSC1121AL5-041.5000T
DSC1121AE2-041.5000T

DSC1121AE5-041.5000T
DSC1121AL2-041.5000T
DSC1121AL1-041.5000T
DSC1121AE1-041.5000T
DSC1121AE1-004.0000T
DSC1103AL1-125.0000T
DSC1122AE2-075.0000T
DSC1121AL5-012.0000T
DSC1101AL2-156.2500T
DSC1103AE2-085.0000T
DSC1121AE5-025.0000T
DSC1121AE1-006.1440T
DSC1121AE5-020.0000T
DSC1122NE1-025.0000T
DSC1122NE2-150.0000T
DSC1122NE2-156.2500T
DSC1122NE1-133.3330T
DSC1122NE1-150.0000T
DSC1102NE1-148.5000T
DSC1102NE1-125.0000T
DSC1103NE1-114.2850T
DSC1121NL1-025.0000T
DSC1101NL3-PROGT
DSC1101NL5-PROGT
DSC1122NL2-025.0006T
DSC1103NL2-147.4560T
DSC1103NL2-098.3040T
DSC1103NL5-125.0000T
DSC1103NL2-100.0000T
DSC1103NL2-106.2500T
DSC1103NL2-135.0000T
DSC1102NE3-075.0000T
DSC1121NE2-020.0000T
DSC1101DE2-008.0000T
DSC1101DL1-033.3330T
DSC1101DL5-013.5600T
DSC1121DL2-024.7500T
DSC1121DL2-025.0000T
DSC1101DL5-052.8000T
DSC1101DL1-027.0000T
DSC1121DL2-008.0000T
DSC1101DL5-020.0000T
DSC1103DL5-125.0000T
DSC1101DL5-016.0000T
DSC1121DL2-032.0000T
DSC1121DE1-050.0000T
DSC1101DL2-050.6880T
DSC1103DL2-147.4560T
DSC1103DL2-156.2500T

DSC1101DL1-150.0000T
DSC1121DL5-026.0000T
DSC1121DL1-025.0000T
DSC1121DL1-033.0000T
DSC1104DL1-027.0000T
DSC1101DL5-024.5760T
DSC1101DL5-018.4320T
DSC1101DE5-040.0000T
DSC1101DE5-012.2880T
DSC1121DE2-025.0000T
DSC1101DE2-049.1520T
DSC1101DE2-045.1584T
DSC1121DL2-072.0000T
DSC1121DL1-040.0000T
DSC1101DL3-PROGT
DSC1101DL5-PROGT
DSC1103DL1-025.0013T
DSC1103DL2-025.0012T
DSC1101DE2-024.5760T
DSC1101DE2-022.5792T
DSC1101DE2-100.0000T
DSC1121DL5-072.0000T
DSC1121DE5-072.0000T
DSC1103DL2-100.0000T
DSC1103DL2-122.8800T
DSC1103DL2-098.3040T
DSC1101DE2-012.0000T
DSC1104DE5-100.0000T
DSC1104DL3-100.0000T
DSC1103DL5-156.2500T
DSC1121DE1-010.0000T
DSC1101DL2-033.3300T
DSC1104DL2-026.0000T
DSC1122DL2-220.0000T
DSC1121DE3-150.3330T
DSC1101DL1-020.0000T
DSC1122DL1-072.0000T
DSC1102DL1-212.5000T
DSC1103DL5-027.0000T
DSC1103DL5-100.0000T
DSC1101DL2-025.0000T
DSC1122DE5-254.6500T
DSC1103DL5-063.5000T
DSC1103DL2-135.0000T
DSC1103DE5-254.6500T
DSA1105DL1-027.0000TVAO
DSA1105DL3-033.3330TVAO
DSA1101DL3-026.0000TVAO
DSA1101DL2-026.0000TVAO

DSA1123DL2-125.0000TVAO
DSA1123DL3-125.0000TVAO
DSA1124DL1-100.0000TVAO
DSA1103DL1-125.0000TVAO
DSA1124DL2-024.0000TVAO
DSA1124DL2-100.0000TVAO
DSA1123DL1-100.0000TVAO
DSA1101DL3-020.0000TVAO
DSA1101DL3-016.0000TVAO
DSA1123DL3-100.0000TVAO
DSA1103DL2-156.2500TVAO
DSA1101DL3-025.0000TVAO
DSA1121DL2-033.3333TVAO
DSC1101AI2-080.0000T
DSC1101AI2-064.0000T
DSC1101CI2-025.0000T
DSC1101CI2-050.0000T
DSC1101CI2-100.0000T
DSC1101CI5-020.0000T
DSC1101CI5-050.0000T
DSC1102CI1-125.0000T
DSC1101CI5-010.0000T
DSC1103CI1-156.2500T
DSC1103CI1-200.0000T
DSC1102CI5-200.0000T
DSC1103CI2-125.0000T
DSC1103CI1-100.0000T
DSC1103CI2-100.0000T
DSC1103CI2-200.0000T
DSC1103CI5-025.0000T
DSC1103CI5-050.0000T
DSC1103CI5-100.0000T
DSC1103CI5-106.2500T
DSC1103CI5-148.5000T
DSC1121CI2-014.7456T
DSC1103CI5-200.0000T
DSC1121CI1-024.0000T
DSC1103CI5-233.3333T
DSC1121CI1-125.0000T
DSC1121CI2-010.0000T
DSC1121CI2-012.2880T
DSC1121CI2-013.0000T
DSC1103CI5-300.0000T
DSC1121CI2-024.0000T
DSC1121CI2-025.0000T
DSC1121CI1-025.0000T
DSC1121CI2-048.0000T
DSC1121CI2-050.0000T
DSC1121CI2-060.0000T

DSC1121CI2-066.6660T
DSC1121CI2-100.0000T
DSC1121CI2-125.0000T
DSC1121CI2-133.3330T
DSC1121CI2-148.5000T
DSC1121CI5-040.0000T
DSC1121CI5-049.1520T
DSC1122CI1-156.2500T
DSC1122CI2-062.5000T
DSC1122CI2-100.0000T
DSC1122CI2-125.0000T
DSC1122CI2-133.3300T
DSC1122CI2-150.0000T
DSC1122CI2-156.2500T
DSC1122CI2-050.0000T
DSC1121CI2-024.5760T
DSC1121CI2-020.0000T
DSC1122CI2-103.1250T
DSC1101CI5-025.0000T
DSC1103CI5-224.8200T
DSC1101CI1-025.0000T
DSC1103CI1-125.0000T
DSC1103CI2-148.3500T
DSC1103CI2-148.5000T
DSC1103CI5-233.2090T
DSC1121CI2-030.0000T
DSC1121CI2-051.8400T
DSC1121CL2-040.0000T
DSC1122CI1-156.2500TA
DSC1121CI1-050.0000T
DSC1121CI5-016.6667T
DSC1121CI5-025.0000T
DSC1121CI5-027.0000T
DSC1121CI5-066.0000T
DSC1121CI5-117.0000T
DSC1103CI1-122.8800T
DSC1121CI2-027.0000T
DSC1101CI1-125.0000T
DSC1102CI5-150.0000T
DSC1121CI5-016.0000T
DSC1121CI2-012.0000T
DSC1104CI5-125.0000T
DSC1121CI2-066.6667T
DSC1102CI1-050.0000T
DSC1102CI1-156.2500T
DSC1102CI1-025.0000T
DSC1122CI5-100.0000T
DSC1102CI5-156.2500T
DSC1104CI2-316.0000T

DSC1103CI5-125.0000T
DSC1101CI1-008.0000T
DSC1101CI1-010.0000T
DSC1101CI5-125.0000T
DSC1122CI5-050.0000T
DSC1121CI2-155.5200T
DSC1122CI2-212.5000T
DSC1103CI5-045.0000T
DSC1101CI5-100.0000T
DSC1104CI1-027.0000T
DSC1101CI5-027.0000T
DSC1103CI5-180.0000T
DSC1121CI2-008.0000T
DSC1101CI5-026.0000T
DSC1103CI5-156.2500T
DSC1103CI5-016.0000T
DSC1103CI2-106.2500T
DSC1103CI2-074.2500T
DSC1103CI2-050.0000T
DSC1102CI1-135.0000T
DSC1104CI2-027.0000T
DSC1122CI5-433.9200T
DSC1103CI5-150.0000T
DSC1121CI5-026.0000T
DSC1103CI3-200.0000T
DSC1103CI3-125.0000T
DSC1103CI5-250.0000T
DSC1103CI2-250.0000T
DSC1103CI2-300.0000T
DSC1101CI1-012.0000T
DSC1102CI2-400.0000T
DSC1101CI2-133.0000T
DSC1101CI5-032.0000T
DSC1101CI2-032.0000T
DSC1104CI2-100.0000T
DSC1121CI2-080.0000T
DSC1101CI1-050.0000T
DSC1101CI2-066.6667T
DSC1101CI2-125.0000T
DSC1101CI1-018.7500T
DSC1103CI2-052.0000T
DSC1103CI5-075.0300T
DSC1103CI5-033.3330T
DSC1103CI2-024.0000T
DSC1103CI2-025.0000T
DSC1101CI5-048.0000T
DSC1102CI2-148.5000T
DSC1101CI5-072.0000T
DSC1103CI1-026.0000T

DSC1103CI1-027.0000T
DSC1102CI2-156.2500T
DSC1103CI5-026.0000T
DSC1103CI5-027.0000T
DSC1101CI1-085.2070T
DSC1101CI5-024.0000T
DSC1101CI2-020.0000T
DSC1103CI5-103.1250T
DSC1103CI2-103.1250T
DSC1103CI3-100.0000T
DSC1103CI3-250.0000T
DSC1104CI3-027.0000T
DSC1102CI1-108.0000T
DSC1121CI2-045.1580T
DSC1121CI2-049.1520T
DSC1121CI2-045.1584T
DSC1121CI2-014.3181T
DSC1121CI5-045.1584T
DSC1121CI5-024.0000T
DSC1101CI2-060.0000T
DSC1103CI2-072.0000T
DSC1101CI2-036.0000T
DSC1103CI3-060.0000T
DSC1103CI3-150.0000T
DSC1103CI3-175.0000T
DSC1103CI1-150.0000T
DSC1103CI2-066.0000T
DSC1102CI5-020.0000T
DSC1101CI5-016.0000T
DSC1101CI5-008.0000T
DSC1121CI2-066.0000T
DSC1103CI2-133.3300T
DSC1102CI1-212.5000T
DSC1103CI1-300.0000T
DSC1104CI2-200.0000T
DSC1101CI5-157.2864T
DSC1101CI1-024.0000T
DSC1101CI5-040.0000T
DSC1121CI2-156.0063T
DSC1103CI3-135.0000T
DSC1121CI2-045.0000T
DSC1121CI2-055.0000T
DSC1122CI5-048.0000T
DSA1101CI1-050.0000TVAO
DSA1121CI2-012.0000TVAO
DSC1121CM1-027.0000T
DSA1103CI1-125.0000TVAO
DSA1123CI2-156.2500TVAO
DSA1101CI2-024.3050TVAO

DSA1124CI1-027.0000TVAO
DSA1121CI2-020.0000TVAO
DSA1101CI1-020.0000TVAO
DSA1124CI2-100.0000TVAO
DSA1124CI1-038.4000TVAO
DSA1104CI3-020.0032TVAO
DSA1105CI1-025.0000TVAO
DSC1101BI5-050.0000T
DSC1104BI5-100.0000T
DSC1121BI2-013.0000T
DSC1121BI2-025.0000T
DSC1121BI2-050.0000T
DSC1121BI2-120.0000T
DSC1121BI2-125.0037T
DSC1121BI2-150.0000T
DSC1122BI2-074.2500T
DSC1122BI2-075.0000T
DSC1122BI2-133.3300T
DSC1122BI2-148.5000T
DSC1122BI2-150.0000T
DSC1122BI2-156.2500T
DSC1121BI2-080.0000T
DSC1122BI2-100.0000T
DSC1122BI2-114.2850T
DSC1122BI2-155.5200T
DSC1102BI1-100.0000T
DSC1122BI1-100.0000T
DSC1121BI2-012.2880T
DSC1101BI5-133.0000T
DSC1102BI2-125.0000T
DSC1102BI2-153.6000T
DSC1103BI2-125.0000T
DSC1121BI2-025.0007T
DSC1121BI2-156.2540T
DSC1102BI2-100.0000T
DSC1122BI5-400.0000T
DSC1104BI2-100.0000T
DSC1121BI2-048.0000T
DSC1121BI2-100.0000T
DSC1121BI2-125.0000T
DSC1122BI2-156.2539T
DSC1103BI2-100.0000T
DSC1103BI2-135.0000T
DSC1103BI2-148.5000T
DSC1102BI2-156.2500T
DSC1102BI2-155.2500T
DSC1102BI2-114.2850T
DSC1101BI2-125.0000T
DSC1121BI2-022.5792T

DSC1101BI2-024.5760T
DSC1121BI2-114.2850T
DSC1121BI2-024.5760T
DSC1121BI2-033.3330T
DSC1102BI2-155.5200T
DSC1122BI2-156.2570T
DSC1122BI2-020.0000T
DSC1122BI2-322.0000T
DSC1121BI1-008.0000T
DSC1121BI2-156.2500T
DSC1103BI2-200.0000T
DSC1121BI2-016.3840T
DSC1121BI2-020.0000T
DSC1121BI2-131.0720T
DSC1103BI2-050.0000T
DSC1101BI2-125.0031T
DSC1102BI1-010.0000T
DSC1101BI5-010.0000T
DSC1122BI2-125.0000T
DSC1122BI1-025.0000T
DSC1121BI2-008.0000T
DSC1101BI3-025.0000T
DSC1101BI2-125.0037T
DSC1121BI5-022.5792T
DSC1121BI5-024.5760T
DSC1121BI3-100.0000T
DSC1121BI5-024.0000T
DSC1121BI2-012.0000T
DSC1101BI2-008.0000T
DSC1103BI2-062.5000T
DSC1101BI5-016.0000T
DSC1101BI5-012.0000T
DSC1101BI5-020.0000T
DSC1121BI5-045.1854T
DSC1121BI5-049.1520T
DSC1104BI1-027.0000T
DSC1101BI3-013.5600T
DSC1101BI2-027.1200T
DSC1121BI1-020.0000T
DSC1101BI1-145.2000T
DSC1103BI1-156.2500T
DSC1122BI3-166.6000T
DSC1121BI5-125.0000T
DSC1121BI5-025.6000T
DSC1121BI5-125.0000B
DSC1121BI2-040.6800T
DSC1103BI2-235.0000T
DSC1103BI5-148.5000T
DSC1103BI2-156.2500T

DSC1121BI5-156.2500T
DSA1121BI2-028.6364TVAO
DSA1121BI2-027.0000TVAO
DSA1101BI3-040.0000TVAO
DSA1101BI1-145.2000TVAO
DSA1121BI3-016.0000TVAO
DSA1101BI2-050.0000TVAO
DSA1121BI2-033.3330TVAO
DSA1101BI3-034.3680TVAO
DSA1121BI3-012.2880TVAO
DSA1101BI1-025.0000TVAO
DSA1105BI1-025.0000TVAO
DSC1121AI2-156.2500T
DSC1101AI2-148.5000T
DSC1103AI1-125.0000T
DSC1121AE1-024.0000T
DSC1103AI2-025.0000T
DSC1103AI2-100.0000T
DSC1103AI2-125.0000T
DSC1103AI2-130.0000T
DSC1103AI2-171.8181T
DSC1103AI2-200.0000T
DSC1103AI5-120.0000T
DSC1104AI2-100.0000T
DSC1103AI5-156.2500T
DSC1121AI1-025.0000T
DSC1103AI5-125.0000T
DSC1121AI2-024.0000T
DSC1121AI2-025.0000T
DSC1121AI2-026.0000T
DSC1121AI2-029.4912T
DSC1121AI2-048.0000T
DSC1121AI2-050.0000T
DSC1121AI2-125.0000T
DSC1121AI1-155.5200T
DSC1121AI2-156.2540T
DSC1121AI5-020.0000T
DSC1122AI1-150.0000T
DSC1122AI1-155.5200T
DSC1122AI2-106.2500T
DSC1122AI2-150.0000T
DSC1122AI2-156.2500T
DSC1122AI2-156.2539T
DSC1122AI2-425.0000T
DSC1122AI5-155.5200T
DSC1122AI5-156.2500T
DSC1102AI2-156.2540T
DSC1121AI2-150.0000T
DSC1101AI2-040.0000T

DSC1121AI2-148.5000T
DSC1121AI2-020.0000T
DSC1101AI5-019.4400T
DSC1101AI2-125.0000T
DSC1101AI2-120.0000T
DSC1122AI2-050.0000T
DSC1101AI5-099.7200T
DSC1121AI1-027.0000T
DSC1101AI2-025.0000T
DSC1121AI2-162.0000T
DSC1101AI5-156.2500T
DSC1101AI2-156.2500T
DSC1101AI5-056.3200T
DSC1101AI5-048.0000T
DSC1121AI2-012.2880T
DSC1121AI5-100.0000T
DSC1121AI5-027.0000T
DSC1121AI2-010.0000T
DSC1121AI2-061.4400T
DSC1101AI5-032.0000T
DSC1103AI2-148.5000T
DSC1102AI2-167.3320T
DSC1101AI5-010.0000T
DSC1122AI2-100.3000T
DSC1101AI2-150.0000T
DSC1103AI1-155.5200T
DSC1103AI1-161.1328T
DSC1103AI2-125.0031T
DSC1122AI2-125.0000T
DSC1101AI5-080.0000T
DSC1101AI5-064.0000T
DSC1102AI1-156.2500T
DSC1102AI2-156.2500T
DSC1121AI2-013.0000T
DSC1103AI2-148.0000T
DSC1121AI3-025.0000T
DSC1101AI2-027.0000T
DSC1101AI1-008.0000T
DSC1101AI5-060.0000T
DSC1121AI5-022.5792T
DSC1102AI5-156.2500T
DSC1122AI5-025.0007T
DSC1103AI2-300.0000T
DSC1121AI2-008.0000T
DSC1121AI2-016.0000T
DSC1121AI2-066.6660T
DSC1121AI2-033.3330T
DSC1121AI1-156.2500T
DSC1121AI1-090.0000T

DSC1101AI5-114.2850T
DSC1101AI3-125.0000T
DSC1103AI5-180.0000T
DSC1121AI5-008.0000T
DSC1102AI2-106.0000T
DSC1102AI5-160.0000T
DSC1102AI5-400.0000T
DSC1121AI2-159.3750T
DSC1121AI2-053.1250T
DSC1121AI2-081.0000T
DSC1121AI2-041.5000T
DSC1121AI5-041.5000T
DSC1121AI1-041.5000T
DSC1103AI2-156.2500T
DSC1101AI2-066.6666T
DSC1121AI1-100.0000T
DSC1102AI1-250.0000T
DSC1121AI1-064.0000T
DSC1102AI1-050.0000T
DSC1122AI1-159.3750T
DSC1101AI1-025.0000T
DSC1121AI1-002.5000T
DSC1122NI2-150.0000T
DSC1101NI5-025.0000T
DSC1101NI5-020.0000T
DSC1101NI5-012.8000T
DSC1101NI5-016.3840T
DSC1104NI2-100.0000T
DSC1122NI5-025.0020T
DSC1122NI2-050.0000T
DSC1103NI2-125.0000T
DSC1121NI1-100.0000T
DSC1121NI2-125.0000T
DSC1121NI2-025.0000T
DSC1101NI1-050.0000T
DSC1102NI5-156.2500T
DSC1122NI2-156.2500T
DSC1103NI2-148.5000T
DSC1103NI2-156.2500T
DSC1101NI5-018.7500T
DSC1122NI2-148.5000T
DSC1101NI2-050.0000T
DSC1103NI1-135.0000T
DSC1122NI5-025.0007T
DSC1103NI5-150.0000T
DSC1122NI5-200.0000T
DSC1102NI5-400.0000T
DSC1102NI5-200.0000T
DSC1101NI2-025.0000T

DSC1101NI2-018.7500T
DSC1103NI2-100.0000T
DSC1121DI2-024.0000T
DSC1101DI2-025.0000T
DSC1101DI5-072.0000T
DSC1101DI5-020.0000T
DSC1101DI5-026.0000T
DSC1101DM2-025.0000T
DSC1101DI5-050.0000T
DSC1101DI5-060.0000T
DSC1101DL5-025.0000T
DSC1102DI1-156.2500T
DSC1103DI2-125.0000T
DSC1103DI2-312.5000T
DSC1103DI2-200.0000T
DSC1103DI5-171.8181T
DSC1103DI2-400.0000T
DSC1104DI1-100.0000T
DSC1104DI1-156.2500T
DSC1121DI1-036.0000T
DSC1121DI1-125.0000T
DSC1121DI5-034.3680T
DSC1121DI2-025.0000T
DSC1121DI2-125.0000B
DSC1121DI2-125.0000T
DSC1121DI5-010.0000T
DSC1122DI2-100.0000T
DSC1122DI2-125.0000B
DSC1122DI2-125.0000T
DSC1103DI5-125.0060T
DSC1101DI1-025.0000T
DSC1121DI1-026.6000T
DSC1122DI2-200.0000T
DSC1103DI2-148.3500T
DSC1103DI2-148.5000T
DSC1121DI5-008.0000T
DSC1121DI2-156.2500T
DSC1101DI1-012.0000T
DSC1101DI5-012.0000T
DSC1101DI1-150.0000T
DSC1101DI5-016.0000T
DSC1101DI2-050.6880T
DSC1103DI2-048.0000T
DSC1101DI5-030.2400T
DSC1122DI2-050.0000T
DSC1103DI5-360.0000T
DSC1101DI1-125.0000T
DSC1101DI5-013.5288T
DSC1101DI5-032.0000T

DSC1122DI2-156.2500T
DSC1101DI2-049.1520T
DSC1101DI1-038.0000T
DSC1121DI5-100.0000T
DSC1103DI2-100.0000T
DSC1103DI2-108.0000T
DSC1121DI5-072.0000T
DSC1121DI5-050.0000T
DSC1121DI5-032.0000T
DSC1121DI1-100.0000T
DSC1102DI5-135.0000T
DSC1101DI3-025.0000T
DSC1103DI2-135.0000T
DSC1121DI2-010.0000T
DSC1101DI1-100.0000T
DSC1102DI2-125.0000T
DSC1101DI5-024.0000T
DSC1101DI5-100.0000T
DSC1101DI5-045.1584T
DSC1101DI5-049.1520T
DSC1101DI5-018.4320T
DSC1121DI3-050.0000T
DSC1102DI2-156.2500T
DSC1103DI5-074.2500T
DSC1103DI5-200.0000T
DSC1103DI5-100.0000T
DSC1101DI3-012.0000T
DSC1101DI2-060.0000T
DSC1122DI5-272.8000T
DSC1121DI2-100.0000T
DSC1103DI5-300.0000T
DSC1101DI5-025.0000T
DSC1101DI5-036.0000T
DSC1101DI1-036.0000T
DSC1103DI5-160.0000T
DSC1101DI2-012.0000T
DSC1101DI5-125.0000T
DSC1104DI2-100.0000T
DSC1102DI1-212.5000T
DSC1102DI2-212.5000T
DSC1104DI5-100.0000T
DSC1121DI1-048.0000T
DSC1122DI2-121.1090T
DSC1101DI1-033.3330T
DSC1103DI2-250.0000T
DSC1121DI5-125.0000T
DSC1103DI1-156.2500T
DSC1103DI2-156.2500T
DSC1103DI1-080.0000T

DSC1121DI1-080.0000T
DSC1101DI1-025.0000TV01
DSC1101DI1-125.0000TV03
DSA1121DI3-033.3333TVAO
DSA1101DI1-050.0000TVAO
DSA1101DI1-004.0000TVAO
DSA1123DI2-156.2500TVAO
DSA1121DI2-025.0000TVAO
DSC1101CM2-062.2080T
DSC1121CM1-010.0000T
DSC1121CM1-016.0000T
DSC1121CM1-020.0000T
DSC1121CM1-024.0000T
DSC1121CM1-025.0000T
DSC1121CM1-048.0000T
DSC1121CM1-050.0000T
DSC1121CM1-075.0000T
DSC1121CM1-125.0000T
DSC1121CM2-033.3333T
DSC1121CM2-027.0000T
DSC1101CM1-075.0000T
DSC1101CM1-005.0000T
DSC1101CM1-033.3333T
DSC1121CM2-040.0000T
DSC1121CM2-006.7800T
DSC1121CM1-012.0000T
DSC1121CM1-012.2880T
DSC1121CM1-040.0000T
DSC1101CM2-012.0000T
DSC1101CM2-048.0000T
DSC1121CM1-066.6660T
DSC1121CM1-100.0000T
DSC1121CM1-036.0000T
DSC1121CM1-018.0000T
DSC1101CM1-040.0000T
DSC1121CM2-008.0000T
DSC1121CM2-025.0000T
DSC1121CM1-030.0000T
DSC1101CM3-024.0000T
DSC1121CM1-014.7456T
DSC1101CM1-032.0000T
DSC1121CM1-032.0000T
DSC1121CM2-003.1152T
DSC1121CM1-003.1152T
DSC1121CM1-005.5296T
DSC1121CM2-024.0000T
DSC1101CM2-PROGT
DSC1101BM2-025.0000T
DSC1101BM2-100.0000T

DSC1121BM1-008.0000T
DSC1121BM1-025.0000T
DSC1121BM1-027.0000T
DSC1121BM1-030.0000T
DSC1121BM1-048.0000T
DSC1121BM1-100.0000T
DSC1101BM2-074.2500T
DSC1121BM1-010.0000T
DSC1121BM1-024.0000T
DSC1101BM2-027.0000T
DSC1121BM1-050.0000T
DSC1121BM2-016.0000T
DSC1121BM2-030.0000T
DSC1101BM2-050.0000T
DSC1101BM2-054.0000T
DSC1121BM1-024.5760T
DSC1121BM1-060.0000T
DSC1121BM1-016.0000T
DSC1121BM1-026.0000T
DSC1121BM1-012.2880T
DSC1121BM2-131.0720T
DSC1121BM2-020.0000T
DSC1121BM2-025.0000T
DSC1121BM2-032.0000T
DSC1121BM1-032.0000T
DSC1121BM1-014.7456T
DSC1121BM1-005.5296T
DSC1101BM2-PROGT
DSC1121AM1-025.0000T
DSC1121AM1-030.0000T
DSC1121AM1-050.0000T
DSC1121AM2-010.0000T
DSC1121AM2-027.0000T
DSC1121AM2-125.0000T
DSC1101AM2-014.3950T
DSC1121AM1-010.0000T
DSC1101AM2-030.0000T
DSC1121AM1-020.0000T
DSC1121AM1-027.0000T
DSC1121AM1-012.2880T
DSC1103AM1-287.0000T
DSC1121AM1-032.7680T
DSC1121AM1-014.7456T
DSC1121AM1-041.5000T
DSC1121AM2-041.5000T
DSC1121AM1-029.4912T
DSC1121AM1-024.5760T
DSC1121AM1-033.0000T
DSC1101AM2-156.2500T

DSC1121AM1-064.0000T
DSC1121AM1-026.0000T
DSC1121AM1-024.0000T
DSC1101AM2-PROGT
DSC1121NM1-100.0000T
DSC1101DM1-033.3330T
DSC1101DM2-020.0000T
DSC1101DM2-016.0000T
DSC1101DM2-056.2500T
DSC1101DM2-125.0000T
DSC1121DM2-003.3333T
DSC1121DM2-007.3728T
DSC1121DM2-125.0000T
DSC1101DM2-004.0000T
DSC1101DM1-012.0000T
DSC1101DM2-012.0000T
DSC1121DM2-025.0000B
DSC1101DM1-033.3333T
DSC1101DM2-033.3333T
DSC1121DM1-033.3333T
DSC1101DM2-008.0000T
DSC1101DM2-024.0000T
DSC1121DM1-030.0000T
DSC1101DM1-080.0000T
DSC1121DM2-025.0000T
DSC1121DM2-033.0000T
DSC1121DM2-016.6400T
DSC1121DM2-014.7456T
DSC1101DM2-007.3700T
DSC1121DM3-032.0000T
DSC1101DM1-032.0000T
DSC1101DM1-007.3700T
DSC1101DM2-040.0000T
DSC1121DM2-026.0000T
DSC1121DM2-019.2000T
DSC1101DM2-048.0000T
DSC1101DM1-020.0000T
DSC1101DM2-050.0000T
DSC1101DM2-100.0000T
DSC1101DM2-PROGT
DSA1121CA2-040.0000TVAO
DSA1121CA1-016.0000TVAO
DSA1121CA2-024.0000TVAO
DSA1121CA2-008.0000TVAO
DSA1125CA1-012.0000TVAO
DSA1101CA2-010.0000TVAO
DSA1121CA1-012.0000TVAO
DSA1101CA1-025.0000TVAO
DSA1124CA1-100.0000TVAO

DSA1103CA2-020.0000TVAO
DSA1121BA2-025.0000TVAO
DSA1101BA3-080.0000TVAO
DSA1101BA3-008.0000TVAO
DSA1101BA3-016.0000TVAO
DSA1101BA3-025.0000TVAO
DSA1101BA3-020.0000TVAO
DSA1121BA2-020.0000TVAO
DSA1101BA3-008.9120TVAO
DSA1101BA3-062.5000TVAO
DSA1101DA1-033.3330TVAO
DSA1121DA2-027.0000TVAO
DSA1125DA1-033.3333TVAO
DSA1125DA1-027.0000TVAO
DSA1101DA1-007.3700TVAO
DSA1101DA3-122.8800TVAO
DSA1101DA1-026.9973TVAO
DSA1101DA1-040.0000TVAO
DSA1121DA3-008.0000TVAO
DSA1121DA3-016.0000TVAO
DSA1121DA3-020.0000TVAO
DSA1121DA2-050.0000TVAO
DSA1121DA2-100.0000TVAO
DSA1121DA2-125.0000TVAO
DSA1101DA2-020.0000TVAO
DSA1121DA1-100.0000TVAO
DSA1121DA3-004.0000TVAO
DSA1101DA1-004.0000TVAO
DSA1101DA3-054.0000TVAO
DSA1101DA2-050.0000TVAO
DSA1121DA3-030.0000TVAO
DSA1101DA3-125.0000TVAO
DSA1101DA1-016.0000TVAO
DSA1101DA1-008.0000TVAO
DSA1123DA1-100.0000TVAO
DSA1101DA1-025.0000TVAO
DSA1101DA2-025.0000TVAO
DSA1101DA1-022.5792TVAO
DSA1105DA1-022.5792TVAO
DSA1121DA2-025.0000TVAO
DSA1121CA1-024.0000VAO
DSA1121CA1-040.0000VAO
DSA1121CA3-020.0000VAO
DSA1123CA3-250.0000VAO
DSA1123CA3-100.0000VAO
DSA1121CA1-125.0000VAO
DSA1121CA2-125.0000VAO
DSA1123CA2-100.0000VAO
DSA1123CA3-125.0000VAO

DSA1123CA3-135.0000VAO
DSA1103CA2-200.0000VAO
DSA1123CA3-125.000VAO
DSA1123CA3-135.000VAO
DSA1121DA2-020.0000VAO
DSA1121DA1-025.0000VAO
DSA1101DA2-125.0000VAO
DSC1101CM1-010.0000
DSC1121CM2-020.0000
DSC1101BM1-005.5296
DSC1103CI5-337.6000
DSC1104CI5-100.0000
DSC1121CI3-008.0000
DSC1103CI3-148.5000
DSC1101CI2-027.0000
DSC1103CI5-120.0000
DSC1121CI5-033.3333
DSC1121CI1-033.3333
DSC1121CI5-017.1776
DSC1103CI5-012.0000
DSC1121CI1-100.0000
DSC1103CI2-135.0000
DSC1121BI1-026.0000
DSC1101BI5-040.0000
DSC1122BI2-106.2500
DSC1121BI2-010.0000
DSC1121BI2-066.0000
DSC1121BI1-014.8946
DSC1121BI1-100.0000
DSC1101AI3-008.0000
DSC1101AI2-081.3600
DSC1121AI2-133.2500
DSC1121AI3-054.8352
DSC1121AI3-084.4032
DSC1121AI2-122.8800
DSC1121AI2-040.0000
DSC1121AI3-062.8600
DSC1101AI1-016.0000
DSC1103NI5-300.0000
DSC1102NI1-156.2500
DSC1103NI2-100.0000
DSC1121DI5-012.8000
DSC1102DI5-100.0000
DSC1121DI5-NAN.0000
DSC1121DI5-033.5544
DSC1121DI1-010.7625
DSC1121DI5-112.0000
DSC1121DI5-020.0000
DSC1121DI2-008.0000

DSC1103CL5-212.5000
DSC1101CL3-033.3300
DSC1103CL5-270.0000
DSC1103CL5-026.0000
DSC1103CL5-052.0000
DSC1103CE2-167.7722
DSC1103CL3-130.0000
DSC1121CE5-048.0000
DSC1121CL5-061.4400
DSC1101CL5-020.0032
DSC1121CL2-027.0000
DSC1122CL3-156.2500
DSC1103BL2-080.0000
DSC1103AE2-148.5000
DSC1121AL5-050.0000
DSC1103AE2-156.2500
DSC1121AE1-050.0000
DSC1103NE2-148.5000
DSC1103DL5-159.3750
DSC1103DL5-148.5000
DSC1101DL1-050.0000
DSC1104DE2-100.0000
DSC1121DL5-040.0000
DSC1121DL5-020.0000
DSA1123DL1-125.0000VAO
DSA1121DL2-020.0000VAO
DSA1104DL3-100.0000VAO
DSA1104DL2-156.2500VAO
DSA1124DL3-125.0000VAO
DSA1121DL2-011.2896VAO
DSA1121DL2-014.7456VAO
DSA1121DL1-050.0000VAO
DSA1101DL1-022.5792VAO
DSC1103CL5-212.5000T
DSC1101CL3-033.3300T
DSC1103CL5-270.0000T
DSC1103CL5-026.0000T
DSC1103CL5-052.0000T
DSC1103CE2-167.7722T
DSC1103CL3-130.0000T
DSC1121CE5-048.0000T
DSC1121CL5-061.4400T
DSC1101CL5-020.0032T
DSC1121CL2-027.0000T
DSC1122CL3-156.2500T
DSC1103BL2-080.0000T
DSC1103AE2-148.5000T
DSC1121AL5-050.0000T
DSC1103AE2-156.2500T

DSC1121AE1-050.0000T
DSC1103NE2-148.5000T
DSC1103DL5-159.3750T
DSC1103DL5-148.5000T
DSC1101DL1-050.0000T
DSC1104DE2-100.0000T
DSC1121DL5-040.0000T
DSC1121DL5-020.0000T
DSA1101DL3-025.0000TV06
DSA1101DL3-020.0000TV08
DSA1123DL1-125.0000TVAO
DSA1121DL2-020.0000TVAO
DSA1104DL3-100.0000TVAO
DSA1104DL2-156.2500TVAO
DSA1124DL3-125.0000TVAO
DSA1121DL2-011.2896TVAO
DSA1121DL2-014.7456TVAO
DSA1121DL1-050.0000TVAO
DSA1101DL1-022.5792TVAO
DSC1103CI5-337.6000T
DSC1104CI5-100.0000T
DSC1121CI3-008.0000T
DSC1103CI3-148.5000T
DSC1101CI2-027.0000T
DSC1103CI5-120.0000T
DSC1121CI5-033.3333T
DSC1121CI1-033.3333T
DSC1121CI5-017.1776T
DSC1103CI5-012.0000T
DSC1121CI1-100.0000T
DSC1103CI2-135.0000T
DSC1121BI1-026.0000T
DSC1101BI5-040.0000T
DSC1122BI2-106.2500T
DSC1121BI2-010.0000T
DSC1121BI2-066.0000T
DSC1121BI1-014.8946T
DSC1121BI1-100.0000T
DSC1101AI3-008.0000T
DSC1101AI2-081.3600T
DSC1121AI2-133.2500T
DSC1121AI3-054.8352T
DSC1121AI3-084.4032T
DSC1121AI2-122.8800T
DSC1121AI2-040.0000T
DSC1121AI3-062.8600T
DSC1101AI1-016.0000T
DSC1103NI5-300.0000T
DSC1102NI1-156.2500T

DSC1121DI5-012.8000T
DSC1102DI5-100.0000T
DSC1121DI5-NAN.0000T
DSC1121DI5-033.5544T
DSC1121DI1-010.7625T
DSC1121DI5-112.0000T
DSC1121DI5-020.0000T
DSC1121DI2-008.0000T
DSC1101CM1-010.0000T
DSC1121CM2-020.0000T
DSC1101BM1-005.5296T
DSA1121CA1-024.0000TV01
DSA1121CA1-040.0000TV04
DSA1121CA1-024.0000TVAO
DSA1121CA1-040.0000TVAO
DSA1121CA3-020.0000TVAO
DSA1123CA3-250.0000TVAO
DSA1123CA3-100.0000TVAO
DSA1121CA1-125.0000TVAO
DSA1121CA2-125.0000TVAO
DSA1123CA2-100.0000TVAO
DSA1123CA3-125.0000TVAO
DSA1123CA3-135.0000TVAO
DSA1103CA2-200.0000TVAO
DSA1123CA3-125.000VTVAO
DSA1123CA3-135.000VTVAO
DSA1101DA1-033.3330TV05
DSA1121DA2-020.0000TVAO
DSA1121DA1-025.0000TVAO
DSA1101DA2-125.0000TVAO



DSC11XX/DSA11XX

DSC11xx and DSA11xx Family Silicon Errata

The DSC11xx and DSA11xx devices that you have received conform functionally to the current device data sheets:

- DSC1101/21, revision DS20005613D (2020)
- DSC1102/22, revision DS20006254A (2019)
- DSC1103, revision DS20005745C (2019)
- DSC1104, revision DS20005870B (2019)
- DSA1101/21/05/25, revision DS20005890C (2021)
- DSA1103/23, revision DS20005891B (2022)
- DSA1104/24, revision DS20005894A (2019)

except for the anomaly described in this document.

Normal Operation

The product set DSC1101/1102/1103/1104/1105 and DSA1101/1103/1104/1105 normally provide the oscillator output clock when the input pin EN is brought high; the products enter an output standby (low-power) mode when EN is brought low (while V_{DD} is still supplied). When EN is brought high once again, the output should restart and generate the output clock at the correct frequency.

Problem Description

Output may fail or generate an incorrect clock frequency at the output when EN has been brought back to a high state.

Condition Under Which the Problem May Occur

The problem is intermittent and can affect only the devices listed above. It will occur only if the following conditions are met:

1. EN is driven separately from V_{DD} .
2. There is a time lag between the application of V_{DD} and EN being driven high from low.

This intermittent restart failure is dependent upon the length of time for which EN is held low, and also the ramp rate of taking EN high. The problem has been found to occur at room temperature.

Users Have the Following Choices

- Use the device with EN connected directly to V_{DD} . In this case, the product will reliably restart when power and EN are cycled.
- If a separate low-power state is required, those devices that tri-state the outputs (DSC1121/1122/1123/1124 and DSA1121/1123/1124/1125) will work reliably.
- If a separate low-power state with very low quiescent current (μA) is needed, we recommend the DSC12x1, DSA12x1, DSC12x2, DSA12x2, DSC12x3, DSA12x3, DSC12x4, and DSA12x4, which do not have this anomaly.

DSC11XX/DSA11XX

APPENDIX A: REVISION HISTORY

Rev. A Document (November 2021)

- Initial release of this document.

Rev. B Document (March 2023)

- Added DSA (automotive) related documents to the errata.

Note the following details of the code protection feature on Microchip products:

- Microchip products meet the specifications contained in their particular Microchip Data Sheet.
- Microchip believes that its family of products is secure when used in the intended manner, within operating specifications, and under normal conditions.
- Microchip values and aggressively protects its intellectual property rights. Attempts to breach the code protection features of Microchip product is strictly prohibited and may violate the Digital Millennium Copyright Act.
- Neither Microchip nor any other semiconductor manufacturer can guarantee the security of its code. Code protection does not mean that we are guaranteeing the product is "unbreakable" Code protection is constantly evolving. Microchip is committed to continuously improving the code protection features of our products.

This publication and the information herein may be used only with Microchip products, including to design, test, and integrate Microchip products with your application. Use of this information in any other manner violates these terms. Information regarding device applications is provided only for your convenience and may be superseded by updates. It is your responsibility to ensure that your application meets with your specifications. Contact your local Microchip sales office for additional support or, obtain additional support at <https://www.microchip.com/en-us/support/design-help/client-support-services>.

THIS INFORMATION IS PROVIDED BY MICROCHIP "AS IS". MICROCHIP MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, STATUTORY OR OTHERWISE, RELATED TO THE INFORMATION INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTIES RELATED TO ITS CONDITION, QUALITY, OR PERFORMANCE.

IN NO EVENT WILL MICROCHIP BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL LOSS, DAMAGE, COST, OR EXPENSE OF ANY KIND WHATSOEVER RELATED TO THE INFORMATION OR ITS USE, HOWEVER CAUSED, EVEN IF MICROCHIP HAS BEEN ADVISED OF THE POSSIBILITY OR THE DAMAGES ARE FORESEEABLE. TO THE FULLEST EXTENT ALLOWED BY LAW, MICROCHIP'S TOTAL LIABILITY ON ALL CLAIMS IN ANY WAY RELATED TO THE INFORMATION OR ITS USE WILL NOT EXCEED THE AMOUNT OF FEES, IF ANY, THAT YOU HAVE PAID DIRECTLY TO MICROCHIP FOR THE INFORMATION.

Use of Microchip devices in life support and/or safety applications is entirely at the buyer's risk, and the buyer agrees to defend, indemnify and hold harmless Microchip from any and all damages, claims, suits, or expenses resulting from such use. No licenses are conveyed, implicitly or otherwise, under any Microchip intellectual property rights unless otherwise stated.

For information regarding Microchip's Quality Management Systems, please visit www.microchip.com/quality.

Trademarks

The Microchip name and logo, the Microchip logo, Adaptec, AVR, AVR logo, AVR Freaks, BesTime, BitCloud, CryptoMemory, CryptoRF, dsPIC, flexPWR, HELDO, IGLOO, JukeBlox, KeeLoq, Klear, LANCheck, LinkMD, maXStylus, maXTouch, MediaLB, megaAVR, Microsemi, Microsemi logo, MOST, MOST logo, MPLAB, OptoLyzer, PIC, picoPower, PICSTART, PIC32 logo, PolarFire, Prochip Designer, QTouch, SAM-BA, SenGenuity, SpyNIC, SST, SST Logo, SuperFlash, Symmetricom, SyncServer, Tachyon, TimeSource, tinyAVR, UNI/O, Vectron, and XMEGA are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries.

AgileSwitch, APT, ClockWorks, The Embedded Control Solutions Company, EtherSynch, Flashtec, Hyper Speed Control, HyperLight Load, Libero, motorBench, mTouch, Powermite 3, Precision Edge, ProASIC, ProASIC Plus, ProASIC Plus logo, Quiet-Wire, SmartFusion, SyncWorld, Temux, TimeCesium, TimeHub, TimePictra, TimeProvider, TrueTime, and ZL are registered trademarks of Microchip Technology Incorporated in the U.S.A.

Adjacent Key Suppression, AKS, Analog-for-the-Digital Age, Any Capacitor, AnyIn, AnyOut, Augmented Switching, BlueSky, BodyCom, Clockstudio, CodeGuard, CryptoAuthentication, CryptoAutomotive, CryptoCompanion, CryptoController, dsPICDEM, dsPICDEM.net, Dynamic Average Matching, DAM, ECAN, Espresso T1S, EtherGREEN, GridTime, IdealBridge, In-Circuit Serial Programming, ICSP, INICnet, Intelligent Paralleling, IntelliMOS, Inter-Chip Connectivity, JitterBlocker, Knob-on-Display, KoD, maxCrypto, maxView, memBrain, Mindi, MiWi, MPASM, MPF, MPLAB Certified logo, MPLIB, MPLINK, MultiTRAK, NetDetach, Omniscient Code Generation, PICDEM, PICDEM.net, PICkit, PICtail, PowerSmart, PureSilicon, QMatrix, REAL ICE, Ripple Blocker, RTAX, RTG4, SAM-ICE, Serial Quad I/O, simpleMAP, SimpliPHY, SmartBuffer, SmartHLS, SMART-I.S., storClad, SQI, SuperSwitcher, SuperSwitcher II, Switchtec, SynchroPHY, Total Endurance, Trusted Time, TSHARC, USBCheck, VariSense, VectorBlox, VeriPHY, ViewSpan, WiperLock, XpressConnect, and ZENA are trademarks of Microchip Technology Incorporated in the U.S.A. and other countries.

SQTP is a service mark of Microchip Technology Incorporated in the U.S.A.

The Adaptec logo, Frequency on Demand, Silicon Storage Technology, and Symmcom are registered trademarks of Microchip Technology Inc. in other countries.

GestlC is a registered trademark of Microchip Technology Germany II GmbH & Co. KG, a subsidiary of Microchip Technology Inc., in other countries.

All other trademarks mentioned herein are property of their respective companies.

© 2021 - 2023, Microchip Technology Incorporated and its subsidiaries.

All Rights Reserved.

ISBN: 978-1-6683-2249-9



MICROCHIP

Worldwide Sales and Service

AMERICAS

Corporate Office
2355 West Chandler Blvd.
Chandler, AZ 85224-6199
Tel: 480-792-7200
Fax: 480-792-7277
Technical Support:
<http://www.microchip.com/support>
Web Address:
www.microchip.com

Atlanta

Duluth, GA
Tel: 678-957-9614
Fax: 678-957-1455

Austin, TX

Tel: 512-257-3370

Boston

Westborough, MA
Tel: 774-760-0087
Fax: 774-760-0088

Chicago

Itasca, IL
Tel: 630-285-0071
Fax: 630-285-0075

Dallas

Addison, TX
Tel: 972-818-7423
Fax: 972-818-2924

Detroit

Novi, MI
Tel: 248-848-4000

Houston, TX

Tel: 281-894-5983

Indianapolis

Noblesville, IN
Tel: 317-773-8323
Fax: 317-773-5453
Tel: 317-536-2380

Los Angeles

Mission Viejo, CA
Tel: 949-462-9523
Fax: 949-462-9608
Tel: 951-273-7800

Raleigh, NC

Tel: 919-844-7510

New York, NY

Tel: 631-435-6000

San Jose, CA

Tel: 408-735-9110
Tel: 408-436-4270

Canada - Toronto

Tel: 905-695-1980
Fax: 905-695-2078

ASIA/PACIFIC

Australia - Sydney
Tel: 61-2-9868-6733

China - Beijing
Tel: 86-10-8569-7000

China - Chengdu
Tel: 86-28-8665-5511

China - Chongqing
Tel: 86-23-8980-9588

China - Dongguan
Tel: 86-769-8702-9880

China - Guangzhou
Tel: 86-20-8755-8029

China - Hangzhou
Tel: 86-571-8792-8115

China - Hong Kong SAR
Tel: 852-2943-5100

China - Nanjing
Tel: 86-25-8473-2460

China - Qingdao
Tel: 86-532-8502-7355

China - Shanghai
Tel: 86-21-3326-8000

China - Shenyang
Tel: 86-24-2334-2829

China - Shenzhen
Tel: 86-755-8864-2200

China - Suzhou
Tel: 86-186-6233-1526

China - Wuhan
Tel: 86-27-5980-5300

China - Xian
Tel: 86-29-8833-7252

China - Xiamen
Tel: 86-592-2388138

China - Zhuhai
Tel: 86-756-3210040

ASIA/PACIFIC

India - Bangalore
Tel: 91-80-3090-4444

India - New Delhi
Tel: 91-11-4160-8631

India - Pune
Tel: 91-20-4121-0141

Japan - Osaka
Tel: 81-6-6152-7160

Japan - Tokyo
Tel: 81-3-6880-3770

Korea - Daegu
Tel: 82-53-744-4301

Korea - Seoul
Tel: 82-2-554-7200

Malaysia - Kuala Lumpur
Tel: 60-3-7651-7906

Malaysia - Penang
Tel: 60-4-227-8870

Philippines - Manila
Tel: 63-2-634-9065

Singapore
Tel: 65-6334-8870

Taiwan - Hsin Chu
Tel: 886-3-577-8366

Taiwan - Kaohsiung
Tel: 886-7-213-7830

Taiwan - Taipei
Tel: 886-2-2508-8600

Thailand - Bangkok
Tel: 66-2-694-1351

Vietnam - Ho Chi Minh
Tel: 84-28-5448-2100

EUROPE

Austria - Wels
Tel: 43-7242-2244-39
Fax: 43-7242-2244-393

Denmark - Copenhagen
Tel: 45-4485-5910
Fax: 45-4485-2829

Finland - Espoo
Tel: 358-9-4520-820

France - Paris
Tel: 33-1-69-53-63-20
Fax: 33-1-69-30-90-79

Germany - Garching
Tel: 49-8931-9700

Germany - Haan
Tel: 49-2129-3766400

Germany - Heilbronn
Tel: 49-7131-72400

Germany - Karlsruhe
Tel: 49-721-625370

Germany - Munich
Tel: 49-89-627-144-0
Fax: 49-89-627-144-44

Germany - Rosenheim
Tel: 49-8031-354-560

Israel - Ra'anana
Tel: 972-9-744-7705

Italy - Milan
Tel: 39-0331-742611
Fax: 39-0331-466781

Italy - Padova
Tel: 39-049-7625286

Netherlands - Drunen
Tel: 31-416-690399
Fax: 31-416-690340

Norway - Trondheim
Tel: 47-7288-4388

Poland - Warsaw
Tel: 48-22-3325737

Romania - Bucharest
Tel: 40-21-407-87-50

Spain - Madrid
Tel: 34-91-708-08-90
Fax: 34-91-708-08-91

Sweden - Gothenberg
Tel: 46-31-704-60-40

Sweden - Stockholm
Tel: 46-8-5090-4654

UK - Wokingham
Tel: 44-118-921-5800
Fax: 44-118-921-5820

