



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

19-DEC-2003

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #13276

TITLE: Qualification of T0220 and D2PAK Packages at ON Semi Seremban

EFFECTIVE DATE: 19-Apr-2004

AFFECTED CHANGE CATEGORY: ON Semiconductor Assembly/Test Site

AFFECTED PRODUCT DIVISION: Analog Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:
Contact Sales Representative or Alan Garlington <RPR180@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 60 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

Initial Product Change Notice to inform customers of the future qualification of the ON Semiconductor Seremban factory for assembly and test of T0220 and D2PAK packages. The Seremban factory already produces many other packaged products and is ISO9001:2000 and TS16949 certified.

When the Seremban factory is qualified for T0220 and D2PAK packages, customers may receive product for these package styles from either the current Tesla, Czech Republic factory or the new Seremban, Malaysia factory.

A 60 day Final Product Change Notice will be issued once all qualifications and reliability testing has been completed.

**Initial Product/Process Change Notification #13276****QUALIFICATION PLAN:**

D2PAK - MC33167D2T - 3 assembly lots total
Preconditioning per JEDEC MSL1 at 260 C.
Auto Clave (AC) - 96 Hrs
HAST - 96 Hrs
Temp Cycle - 500 and 1000 Cycles
High Temperature Bake (HTB) - 1008 Hrs
High Temp Op Life (HTOL) - 504, 1008 Hrs at 125 C.
T0220 - MC33167T - 3 assembly lots total
Same tests as above except no preconditioning for thru hole devices.

AFFECTED DEVICE LIST (WITHOUT SPECIALS):**PART**

CS8101YT5
CS8101YTVA5
CS8120YTVA5
CS8122YTVA5
CS8126-1YTVA5
CS8129YTVA5
CS8147YTVA5
CS8156YTVA5
CS8161YTVA5
LM2575D2T-005
LM2575D2T-012
LM2575D2T-015
LM2575D2T-12R4
LM2575D2T-15R4
LM2575D2T-3.3
LM2575D2T-3.3R4
LM2575D2T-5R4
LM2575D2T-ADJ
LM2575D2T-ADJR4
LM2575T-005
LM2575T-012
LM2575T-015
LM2575T-3.3
LM2575T-ADJ
LM2576D2T-005
LM2576D2T-012
LM2576D2T-015
LM2576D2T-3.3
LM2576D2T-ADJ
LM2576D2T-ADJG
LM2576D2T-ADJR4
LM2576D2TR4-005
LM2576D2TR4-3.3
LM2576T-005
LM2576T-012
LM2576T-015
LM2576T-3.3
LM2576T-ADJ
LM2931ACD2TR4
LM2931AD2T-5.0



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LM2931AD2T-5.0R4
LM2931AT-5.0
LM2931CD2T
LM2931CD2TR4
LM2931CT
LM2931D2T-5.0
LM2931D2T-5.0R4
LM2931T-5.0
LM317BD2T
LM317BD2TG
LM317BD2TR4
LM317BD2TR4G
LM317BT
LM317D2T
LM317D2TR4
LM317MABT
LM317MBT
LM317MT
LM317T
LM317TG
LM323AT
LM323T
LM337AT
LM337BD2T
LM337BD2TR4
LM337BT
LM337D2T
LM337D2TR4
LM337T
LM350T
MC33166D2T
MC33166D2TR4
MC33166T
MC33166TH
MC33167D2T
MC33167T
MC33167TH
MC33269T
MC33269T-012
MC33269T-3.3
MC33269T-5.0
MC33566D2T-001
MC33566D2T-1RK
MC34166D2T
MC34166D2TR4
MC34166T
MC34166TH
MC34167D2T
MC34167D2TR4
MC34167T
MC34167TH
MC74A5-50T
MC7805ABD2T
MC7805ABD2TR4
MC7805ABT
MC7805ACD2T



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MC7805ACD2TR4
MC7805ACT
MC7805BD2T
MC7805BD2TR4
MC7805BT
MC7805CD2T
MC7805CD2TR4
MC7805CD2TR4G
MC7805CT
MC7805CTG
MC7806ACT
MC7806BD2T
MC7806BD2TR4
MC7806BT
MC7806CT
MC7806CTG
MC7808ABD2T
MC7808ABD2TR4
MC7808ABT
MC7808ACT
MC7808BD2T
MC7808BD2TR4
MC7808BT
MC7808CD2T
MC7808CD2TR4
MC7808CD2TR4G
MC7808CT
MC7808CTG
MC7809ACT
MC7809BT
MC7809CD2T
MC7809CD2TR4
MC7809CT
MC7809CTG
MC7812ABD2T
MC7812ABD2TR4
MC7812ABT
MC7812ACD2T
MC7812ACD2TR4
MC7812ACT
MC7812BD2T
MC7812BD2TR4
MC7812BT
MC7812CD2T
MC7812CD2TG
MC7812CD2TR4
MC7812CT
MC7812CTG
MC7815ABD2T
MC7815ABD2TR4
MC7815ABT
MC7815ACD2T
MC7815ACT
MC7815BD2T
MC7815BD2TR4
MC7815BD2TR4G



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MC7815BT
MC7815CD2T
MC7815CD2TR4
MC7815CT
MC7818ACT
MC7818BT
MC7818CD2T
MC7818CD2TR4
MC7818CT
MC7824ACT
MC7824BD2T
MC7824BD2TR4
MC7824BT
MC7824CD2T
MC7824CD2TR4
MC7824CT
MC78M05ABT
MC78M05ACT
MC78M05BT
MC78M05CT
MC78M05CTG
MC78M06BT
MC78M06CT
MC78M08ABT
MC78M08ACT
MC78M08BT
MC78M08CT
MC78M09CT
MC78M12ABT
MC78M12ACT
MC78M12BT
MC78M12CT
MC78M15ABT
MC78M15ACT
MC78M15BT
MC78M15CT
MC78M15CTG
MC78M18BT
MC78M18CT
MC78M20BT
MC78M20CT
MC78M24BT
MC78M24CT
MC78T05ABT
MC78T05ACT
MC78T05ACTG
MC78T05BT
MC78T05CD2T
MC78T05CD2TR4
MC78T05CT
MC78T08CT
MC78T12ACT
MC78T12BT
MC78T12CT
MC78T15ABT
MC78T15ACT



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MC78T15CT
MC7905.2CT
MC7905ACD2T
MC7905ACD2TR4
MC7905ACT
MC7905BD2T
MC7905BD2TR4
MC7905BT
MC7905CD2T
MC7905CD2TR4
MC7905CT
MC7905CT1
MC7906CD2T
MC7906CT
MC7908ACT
MC7908CD2T
MC7908CD2TR4
MC7908CD2TR4G
MC7908CT
MC7908CTG
MC7912ACD2T
MC7912ACD2TR4
MC7912ACT
MC7912BD2T
MC7912BD2TR4
MC7912BT
MC7912CD2T
MC7912CD2TR4
MC7912CT
MC7915ACD2T
MC7915ACT
MC7915BD2T
MC7915BT
MC7915CD2T
MC7915CD2TR4
MC7915CT
MC7918CT
MC7924BT
MC7924CD2T
MC7924CT
MC79M05BT
MC79M05CT
MC79M08BT
MC79M08CT
MC79M12BT
MC79M12CT
MC79M15BT
MC79M15CT
NCP4421T
NCP4422T
NCP565D2T
NCP565D2T12
NCP565D2T12R4
NCP565D2TR4
NCP630AD2T
NCP630AD2TR4



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NCP630GD2T
NCP630GD2TR4
NCP631GD2T
NCP631GD2TR4
NCV2931D2T-5.0R4
NCV317BD2T
NCV317BD2TR4
NCV317BT
NCV7805BD2T
NCV7805BD2TR4
NCV7805BT
NIB6404-5L
PC33273CT
PC33273CT-3.3
PC33273D2T
PC33273D2T-3.3
SC2576T-3.3
SCY99048GD2TR4G
TCM2575-12.0VAT
TCM2575-3.3VAT
TCM2575-5.0VAT
TCM2575VAT
TCM2576-12.0VAT
TCM2576-15.0VAT
TCM2576-3.3VAT
TCM2576-5.0VAT
TCM2576VAT
TYA40490BT
TYA7805CTV
TYA7809CTV