

Date Created : 2008/03/25
Date Issued On : 2008/04/04
PCN# : Q4074201-A

DESIGN/PROCESS CHANGE NOTIFICATION -- FINAL

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

Updated process quality documentation, such as FMEAs and Control Plans, are available for viewing upon request.

If you have any questions concerning this change, please contact:

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Implementation of change:
Expected 1st Device Shipment Date: 2008/05/11

Earliest Year/Work Week of Changed Product: 0820

Change Type Description: Alternate Fab Location

Description of Change (From): LED component supply from Fairchild in Singapore for optoelectronic products manufactured in all current approved packages.

Description of Change (To): External LED component supply source in Japan for optoelectronic products manufactured in all current approved packages. Additional information will be provided upon request.

Reason for Change : To guarantee the continuity of supply. Fairchild does not expect any change to the form, fit or function.

Qual/REL Plan Numbers : Q20080135

Qualification :

Passed

Results/Discussion

Test: (High Temperature Op Life)					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20080135AAHTOL	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABHTOL		0/45			
			0/45		
				0/45	

Q20080135ACHTOL		0/45			
			0/45		
				0/45	
Q20080135BAHTOL	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBHTOL		0/45			
			0/45		
				0/45	
Q20080135BCHTOL		0/45			
			0/45		
				0/45	
Q20080135CAHTOL	QEC113	0/45			
			0/45		
				0/45	
Q20080135CBHTOL		0/45			
			0/45		
				0/45	
Q20080135CCHTOL		0/45			
			0/45		
				0/45	
Q20080135DAHTOL	QEB421	0/45			
			0/45		
				0/45	
Q20080135DBHTOL		0/45			
			0/45		
				0/45	
Q20080135DCHTOL		0/45			
			0/45		
				0/45	
Q20080135EAHTOL	HCPL2631	0/45			
			0/45		
				0/45	
Q20080135EBHTOL		0/45			
			0/45		
				0/45	
Q20080135ECHTOL		0/45			
			0/45		
				0/45	

Test: (High Temperature Storage Life)

Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20080135AAHTSL	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABHTSL		0/45			
			0/45		
				0/45	
Q20080135ACHTSL		0/45			
			0/45		
				0/45	
Q20080135BAHTSL	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBHTSL		0/45			
			0/45		
				0/45	
Q20080135BCHTSL		0/45			
			0/45		
				0/45	
Q20080135CAHTSL	QEC113	0/45			
			0/45		
				0/45	
Q20080135CBHTSL		0/45			
			0/45		
				0/45	
Q20080135CCHTSL		0/45			
			0/45		
				0/45	

Q20080135DAHTSL	QEB421	0/45			
			0/45		
				0/45	
Q20080135DBHTSL		0/45			
			0/45		
				0/45	
Q20080135DCHTSL		0/45			
			0/45		
				0/45	
Q20080135EAHTSL	HCPL2631	0/45			
			0/45		
				0/45	
Q20080135EBHTSL		0/45			
			0/45		
				0/45	
Q20080135ECHTSL		0/45			
			0/45		
				0/45	

Test: (Low Temperature Storage)

Lot	Device	168-HOURS	500-HOURS	1000	Failure Code
Q20080135AALTS	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABLTS		0/45			
			0/45		
				0/45	
Q20080135ACLTS		0/45			
			0/45		
				0/45	
Q20080135BALTS	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBLTS		0/45			
			0/45		
				0/45	
Q20080135BCLTS		0/45			
			0/45		
				0/45	
Q20080135CALTS	QEC113	0/45			
			0/45		
				0/45	
Q20080135CBLTS		0/45			
			0/45		
				0/45	
Q20080135CCLTS		0/45			
			0/45		
				0/45	
Q20080135DALTS	QEB421	0/45			
			0/45		
				0/45	
Q20080135DBLTS		0/45			
			0/45		
				0/45	
Q20080135DCLTS		0/45			
			0/45		
				0/45	
Q20080135EALTS	HCPL2631	0/45			
			0/45		
				0/45	
Q20080135EBLTS		0/45			
			0/45		
				0/45	
Q20080135ECLTS		0/45			
			0/45		
				0/45	

Test: (Power Cycle)

Lot	Device	5000-CYCLES	10000-CYCLES	15000-CYCLES	Failure Code
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Q20080135AAPRCL	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABPRCL		0/45			
			0/45		
				0/45	
Q20080135ACPRCL		0/45			
			0/45		
				0/45	
Q20080135BAPRCL	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBPRCL		0/45			
			0/45		
				0/45	
Q20080135BCPRCL		0/45			
			0/45		
				0/45	
Q20080135EAPRCL	HCPL2631	0/45			
			0/45		
				0/45	
Q20080135EBPRCL		0/45			
			0/45		
				0/45	
Q20080135ECPRCL		0/45			
			0/45		
				0/45	

Test: (Temperature Humidity Biased Test)

Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20080135AATHBT	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABTHBT		0/45			
			0/45		
				0/45	
Q20080135ACTHBT		0/45			
			0/45		
				0/45	
Q20080135BATHBT	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBTHBT		0/45			
			0/45		
				0/45	
Q20080135BCTHBT		0/45			
			0/45		
				0/45	
Q20080135CATHBT	QEC113	0/45			
			0/45		
				0/45	
Q20080135CBTHBT		0/45			
			0/45		
				0/45	
Q20080135CCTHBT		0/45			
			0/45		
				0/45	
Q20080135DATHBT	QEB421	0/45			
			0/45		
				0/45	
Q20080135DBTHBT		0/45			
			0/45		
				0/45	
Q20080135DCTHBT		0/45			
			0/45		
				0/45	
Q20080135EATHBT	HCPL2631	0/45			
			0/45		
				0/45	

Q20080135EBTHBT		0/45			
			0/45		
				0/45	
Q20080135ECTHBT		0/45			
			0/45		
				0/45	

Test: -40C, 125C (Temperature Cycle)

Lot	Device	100-CYCLES	200-CYCLES	500	Failure Code
Q20080135AATMCL2	MOCD217M	0/45			
			0/45		
				0/45	
Q20080135ABTMCL2		0/45			
			0/45		
				0/45	
Q20080135ACTMCL2		0/45			
			0/45		
				0/45	
Q20080135BATMCL2	HSR412	0/45			
			0/45		
				0/45	
Q20080135BBTMCL2		0/45			
			0/45		
				0/45	
Q20080135BCTMCL2		0/45			
			0/45		
				0/45	
Q20080135CATMCL2	QEC113	0/45			
			0/45		
				0/45	
Q20080135CBTMCL2		0/45			
			0/45		
				0/45	
Q20080135CCTMCL2		0/45			
			0/45		
				0/45	
Q20080135DATMCL2	QEB421	0/45			
			0/45		
				0/45	
Q20080135DBTMCL2		0/45			
			0/45		
				0/45	
Q20080135DCTMCL2		0/45			
			0/45		
				0/45	
Q20080135EATMCL2	HCPL2631	0/45			
			0/45		
				0/45	
Q20080135EBTMCL2		0/45			
			0/45		
				0/45	
Q20080135ECTMCL2		0/45			
			0/45		
				0/45	

Test: MSL(1), PKG(OPTO-white), PeakTemp(260c), Cycles(3) (Precondition)

Lot	Device	Results	Failure Code
Q20080135AAPCOPTO1B	MOCD217M	0/180	
Q20080135ABPCOPTO1B	MOCD217M	0/180	
Q20080135ACPCOPTO1B	MOCD217M	0/180	
Q20080135BAPCOPTO1B	HSR412	0/180	
Q20080135BBPCOPTO1B	HSR412	0/180	
Q20080135BCPCOPTO1B	HSR412	0/180	
Q20080135EAPCOPTO1B	HCPL2631	0/180	
Q20080135EBPCOPTO1B	HCPL2631	0/180	
Q20080135ECPCOPTO1B	HCPL2631	0/180	

Product Id Description :

Affected FSIDs :

4N25M	4N25SM	4N25SR2M
4N25SR2VM	4N25SVM	4N25TM
4N25TVM	4N25VM	4N26M
4N26SM	4N26SR2M	4N26SR2VM
4N26SVM	4N26TM	4N26TVM
4N26VM	4N27M	4N27SM
4N27SR2M	4N27SR2VM	4N27SVM
4N27TM	4N27TVM	4N27VM
4N28M	4N28SM	4N28SR2M
4N28SR2VM	4N28SVM	4N28TM
4N28TVM	4N28VM	4N29M
4N29SM	4N29SR2M	4N29TM
4N30M	4N30SM	4N30SR2M
4N32M	4N32SM	4N32SR2M
4N32SVM	4N32TVM	4N32VM
4N33M	4N33SM	4N33SR2M
4N33TVM	4N33VM	4N35M
4N35SM	4N35SR2M	4N35SR2VM
4N35SVM	4N35TM	4N35TVM
4N35VM	4N36M	4N36SM
4N36SR2M	4N36SR2VM	4N36SVM
4N36TM	4N36TVM	4N36VM
4N37M	4N37SM	4N37SR2M
4N37SR2VM	4N37SVM	4N37TM
4N37TVM	4N37VM	4N38M
4N38SR2M	6N135	6N135S
6N135SD	6N135SDV	6N135SV
6N135V	6N135W	6N135WV
6N136	6N136S	6N136SD
6N136SDV	6N136SV	6N136V
6N136W	6N136WV	6N136_5204
6N137	6N137S	6N137SD
6N137SDV	6N137SV	6N137V
6N137W	6N137WV	6N137_5263
6N138	6N138S	6N138SD
6N138SDV	6N138SV	6N138V
6N138W	6N138WV	6N138_5569
6N139	6N139S	6N139SD
6N139SDV	6N139SV	6N139V
6N139W	6N139WV	6N139_5215
CNY171M	CNY171SM	CNY171SR2M
CNY171SR2VM	CNY171SVM	CNY171TM
CNY171TVM	CNY171VM	CNY172M
CNY172SM	CNY172SR2M	CNY172SR2VM
CNY172SVM	CNY172TM	CNY172TVM
CNY172VM	CNY173M	CNY173SM
CNY173SR2M	CNY173SR2VM	CNY173SVM

CNY173TM	CNY173TVM	CNY173VM
CNY174M	CNY174SM	CNY174SR2M
CNY174SR2VM	CNY174SVM	CNY174TM
CNY174TVM	CNY174VM	CNY17F1M
CNY17F1SM	CNY17F1SR2M	CNY17F1SR2VM
CNY17F1SVM	CNY17F1TM	CNY17F1TVM
CNY17F1VM	CNY17F2M	CNY17F2SM
CNY17F2SR2M	CNY17F2SR2VM	CNY17F2SVM
CNY17F2TM	CNY17F2TVM	CNY17F2VM
CNY17F3M	CNY17F3SM	CNY17F3SR2M
CNY17F3SR2VM	CNY17F3SVM	CNY17F3TM
CNY17F3TVM	CNY17F3VM	CNY17F4M
CNY17F4SM	CNY17F4SR2M	CNY17F4SR2VM
CNY17F4SVM	CNY17F4TM	CNY17F4TVM
CNY17F4VM	FOD050L	FOD050LR1
FOD050LR2	FOD053L	FOD053LR1
FOD053LR2	FOD060L	FOD060LR1
FOD060LR2	FOD0708	FOD0708R1
FOD0708R2	FOD0738	FOD0738R1
FOD0738R2	FOD073L	FOD073LR1
FOD073LR2	FOD2200	FOD2200S
FOD2200SD	FOD2200SDV	FOD2200SV
FOD2200T	FOD2200TV	FOD2200V
FOD250L	FOD250LS	FOD250LSD
FOD250LT	FOD260L	FOD260LS
FOD260LSD	FOD260LT	FOD2711
FOD2711S	FOD2711SD	FOD2711SDV
FOD2711SV	FOD2711T	FOD2711TV
FOD2711V	FOD2712	FOD2712R1
FOD2712R1V	FOD2712R2	FOD2712R2V
FOD2712V	FOD2741A	FOD2741AS
FOD2741ASD	FOD2741ASDV	FOD2741ASV
FOD2741AT	FOD2741ATV	FOD2741AV
FOD2741B	FOD2741BS	FOD2741BSD
FOD2741BSDV	FOD2741BSV	FOD2741BT
FOD2741BTV	FOD2741BV	FOD2741C
FOD2741CS	FOD2741CSD	FOD2741CSDV
FOD2741CSV	FOD2741CT	FOD2741CTV
FOD2741CV	FOD2742A	FOD2742AR1
FOD2742AR1V	FOD2742AR2	FOD2742AR2V
FOD2742AV	FOD2742B	FOD2742BR1
FOD2742BR1V	FOD2742BR2	FOD2742BR2V
FOD2742BV	FOD2742C	FOD2742CR1
FOD2742CR1V	FOD2742CR2	FOD2742CR2V
FOD2742CV	FOD2743A	FOD2743AS
FOD2743ASD	FOD2743ASDV	FOD2743ASV
FOD2743AT	FOD2743ATV	FOD2743AV
FOD2743B	FOD2743BS	FOD2743BSD

FOD2743BSDV	FOD2743BSV	FOD2743BT
FOD2743BTV	FOD2743BV	FOD2743C
FOD2743CS	FOD2743CSD	FOD2743CSDV
FOD2743CSV	FOD2743CT	FOD2743CTV
FOD2743CV	FOD3180	FOD3180S
FOD3180SD	FOD3180SDV	FOD3180SV
FOD3180T	FOD3180TV	FOD3180V
FOD3181	FOD3181S	FOD3181SD
FOD3181SDV	FOD3181SV	FOD3181T
FOD3181TV	FOD3181V	FODM121
FODM121A	FODM121AR1	FODM121AR1V
FODM121AR2	FODM121AR2V	FODM121AV
FODM121B	FODM121BR1	FODM121BR1V
FODM121BR2	FODM121BR2V	FODM121BV
FODM121C	FODM121CR1	FODM121CR2
FODM121CR2V	FODM121CV	FODM121D
FODM121DR1	FODM121DR1V	FODM121DR2
FODM121DR2V	FODM121DV	FODM121E
FODM121ER1	FODM121ER1V	FODM121ER2
FODM121ER2V	FODM121EV	FODM121F
FODM121FR1	FODM121FR1V	FODM121FR2
FODM121FR2V	FODM121FV	FODM121G
FODM121R1	FODM121R2	FODM124
FODM124R2	FODM2701	FODM2701AR1
FODM2701AR1V	FODM2701AR2	FODM2701AR2V
FODM2701AV	FODM2701B	FODM2701BR1
FODM2701BR1V	FODM2701BR2	FODM2701BR2V
FODM2701BV	FODM2701R2	FODM2705
FODM2705R1	FODM2705R1V	FODM2705R2
FODM2705R2V	FODM2705V	FODM3010
FODM3010R1	FODM3010R1V	FODM3010R2
FODM3010R2V	FODM3010R3	FODM3010R3V
FODM3010R4	FODM3010R4V	FODM3010V
FODM3011	FODM3011R1	FODM3011R1V
FODM3011R2	FODM3011R2V	FODM3011R3
FODM3011R3V	FODM3011R4	FODM3011R4V
FODM3011V	FODM3012	FODM3012R1
FODM3012R1V	FODM3012R2	FODM3012R2V
FODM3012R3	FODM3012R3V	FODM3012R4
FODM3012R4V	FODM3012V	FODM3021
FODM3021R1	FODM3021R1V	FODM3021R2
FODM3021R2V	FODM3021R3	FODM3021R3V
FODM3021R4	FODM3021R4V	FODM3021V
FODM3022	FODM3022R1	FODM3022R1V
FODM3022R2	FODM3022R2V	FODM3022R3
FODM3022R3V	FODM3022R4	FODM3022R4V
FODM3022V	FODM3023	FODM3023R1
FODM3023R1V	FODM3023R2	FODM3023R2V

FODM3023R3	FODM3023R3V	FODM3023R4
FODM3023R4V	FODM3023V	FODM3051
FODM3051R1	FODM3051R1V	FODM3051R2
FODM3051R2V	FODM3051R3	FODM3051R3V
FODM3051R4	FODM3051R4V	FODM3051V
FODM3052	FODM3052R1	FODM3052R1V
FODM3052R2	FODM3052R2V	FODM3052R3
FODM3052R3V	FODM3052R4	FODM3052R4V
FODM3052V	FODM3053	FODM3053R1
FODM3053R1V	FODM3053R2	FODM3053R2V
FODM3053R3	FODM3053R3V	FODM3053R4
FODM3053R4V	FODM3053V	H11A1M
H11A1SM	H11A1SR2M	H11A1SR2VM
H11A1SVM	H11A1TM	H11A1TVM
H11A1VM	H11A2M	H11A2SM
H11A2SR2M	H11A2SR2VM	H11A2SVM
H11A2TM	H11A2TVM	H11A2VM
H11A3M	H11A3SM	H11A3SR2M
H11A3SR2VM	H11A3SVM	H11A3TM
H11A3TVM	H11A3VM	H11A4M
H11A4SM	H11A4SR2M	H11A4SR2VM
H11A4SVM	H11A4TM	H11A4TVM
H11A4VM	H11A5M	H11A5SM
H11A5SR2M	H11A5SR2VM	H11A5SVM
H11A5TM	H11A5TVM	H11A5VM
H11AA1M	H11AA1SM	H11AA1SR2M
H11AA1SR2VM	H11AA1SVM	H11AA1TM
H11AA1TVM	H11AA1VM	H11AA2M
H11AA2SM	H11AA2SR2M	H11AA2SR2VM
H11AA2SVM	H11AA2TM	H11AA2TVM
H11AA2VM	H11AA3M	H11AA3SM
H11AA3SR2M	H11AA3SVM	H11AA3TM
H11AA3TVM	H11AA3VM	H11AA4M
H11AA4SM	H11AA4SR2M	H11AA4SR2VM
H11AA4SVM	H11AA4TM	H11AA4TVM
H11AA4VM	H11AG1M	H11AG1SM
H11AG1SR2M	H11AG1TVM	H11AG1VM
H11AV1AM	H11AV1AVM	H11AV1M
H11AV1SM	H11AV1SR2M	H11AV1SR2VM
H11AV1SVM	H11AV1VM	H11AV2AM
H11AV2AVM	H11AV2M	H11AV2SM
H11AV2SR2M	H11AV2SR2VM	H11AV2SVM
H11AV2VM	H11B1M	H11B1SM
H11B1SR2M	H11B1SR2VM	H11B1VM
H11D1M	H11D1SM	H11D1SR2M
H11D1SR2VM	H11D1TM	H11D1VM
H11D2M	H11D2SR2M	H11D2SR2VM
H11D2VM	H11D3M	H11D3SM

H11D3SR2M	H11F1M	H11F1SM
H11F1SR2M	H11F1TVM	H11F1VM
H11F2M	H11F3M	H11F3SM
H11F3SR2M	H11F3SR2VM	H11F3SVM
H11F3VM	H11G1M	H11G1SM
H11G1SR2M	H11G1TVM	H11G2M
H11G2SM	H11G2SR2M	H11G2SVM
H11G2VM	H11G3M	H11G3SR2M
H11L1M	H11L1SM	H11L1SR2M
H11L1SR2VM	H11L1SVM	H11L1TM
H11L1TVM	H11L1VM	H11L2M
H11L2SM	H11L2SR2M	H11L2SR2VM
H11L2SVM	H11L2TM	H11L2TVM
H11L2VM	H11L3M	H11L3SM
H11L3SR2M	H11L3SR2VM	H11L3SVM
H11L3TM	H11L3TVM	H11L3VM
H11LXM_555R2	H11LXM_5688SR2	H11LXM_9114
H11N1M	H11N1SM	H11N1SR2M
H11N1SR2VM	H11N1SVM	H11N1TM
H11N1TVM	H11N1VM	H11N2M
H11N2SM	H11N2SR2M	H11N2SR2VM
H11N2SVM	H11N2TM	H11N2TVM
H11N2VM	H11N3M	H11N3SM
H11N3SR2M	H11N3SR2VM	H11N3SVM
H11N3TM	H11N3TVM	H11N3VM
H11NXM_510	H11PXM_9102D	H11SADXM_5696
H11SADXM_5697	H11SADXM_5697R2	H11SADXM_5702R2
H11SADX_5702R2	H11SAXM_5598	H11SAXM_5598D
H11SAXM_5618D	H11SAXM_5676D	H11SAXM_5706R2
H11SAXM_9109R1	H11SBDXM_108R2	H11ZXM_9107
H21A1	H21A2	H21A3
H21A4	H21A5	H21A6
H21B1	H21B1_0088K	H21B2
H21B2_0218	H21B3	H21B4
H21B5	H21B6	H21LOB
H21LOI	H21LTB	H21LTI
H22A1	H22A2	H22A2_0192
H22A3	H22A4	H22A5
H22A6	H22B1	H22B2
H22B3	H22B4	H22B5
H22B6	H22LOB	H22LOI
H22LTB	H22LTI	HCPL0452
HCPL0452R1	HCPL0452R1V	HCPL0452R2
HCPL0452R2V	HCPL0452V	HCPL0453
HCPL0453R1	HCPL0453R2	HCPL0500
HCPL0500R1	HCPL0500R1V	HCPL0500R2
HCPL0500R2V	HCPL0500V	HCPL0501
HCPL0501R1	HCPL0501R1V	HCPL0501R2

HCPL0501R2V	HCPL0501V	HCPL0530
HCPL0530R1	HCPL0530R2	HCPL0531
HCPL0531R1	HCPL0531R2	HCPL0534
HCPL0534R1	HCPL0534R2	HCPL0600
HCPL0600R1	HCPL0600R1V	HCPL0600R2
HCPL0600R2V	HCPL0600V	HCPL0601
HCPL0601R1	HCPL0601R1V	HCPL0601R2
HCPL0601R2V	HCPL0601V	HCPL0611
HCPL0611R1	HCPL0611R2	HCPL062N
HCPL062NR1	HCPL062NR2	HCPL0637
HCPL0637R1	HCPL0637R2	HCPL0638
HCPL0638R1	HCPL0638R2	HCPL0639
HCPL0639R1	HCPL0639R2	HCPL0700
HCPL0700R1	HCPL0700R1V	HCPL0700R2
HCPL0700R2V	HCPL0700V	HCPL0701
HCPL0701R1	HCPL0701R1V	HCPL0701R2
HCPL0701R2V	HCPL0701V	HCPL0730
HCPL0730R1	HCPL0730R2	HCPL0731
HCPL0731R1	HCPL0731R2	HCPL2503
HCPL2503S	HCPL2503SD	HCPL2503SDV
HCPL2503SV	HCPL2503V	HCPL2503W
HCPL2503WV	HCPL2530	HCPL2530S
HCPL2530SD	HCPL2530SDV	HCPL2530SV
HCPL2530V	HCPL2530W	HCPL2530WV
HCPL2531	HCPL2531S	HCPL2531SD
HCPL2531SDV	HCPL2531SV	HCPL2531V
HCPL2531W	HCPL2531WV	HCPL2531_5187
HCPL2601	HCPL2601S	HCPL2601SD
HCPL2601SDV	HCPL2601SV	HCPL2601V
HCPL2601W	HCPL2601WV	HCPL2611
HCPL2611S	HCPL2611SD	HCPL2611SDV
HCPL2611SV	HCPL2611V	HCPL2611W
HCPL2611WV	HCPL2630	HCPL2630S
HCPL2630SD	HCPL2630SDV	HCPL2630SV
HCPL2630V	HCPL2630W	HCPL2630WV
HCPL2630_5307D	HCPL2631	HCPL2631S
HCPL2631SD	HCPL2631SDV	HCPL2631SV
HCPL2631V	HCPL2631W	HCPL2631WV
HCPL2631_5217	HCPL2730	HCPL2730S
HCPL2730SD	HCPL2730SDV	HCPL2730SV
HCPL2730V	HCPL2730W	HCPL2730WV
HCPL2731	HCPL2731S	HCPL2731SD
HCPL2731SDV	HCPL2731SV	HCPL2731V
HCPL2731W	HCPL2731WV	HCPL2731_5188
HCPL2731_5692	HCPL3700	HCPL3700S
HCPL3700SD	HCPL3700SDV	HCPL3700SV
HCPL3700V	HCPL3700W	HCPL3700WV
HCPL4502	HCPL4502S	HCPL4502SD

HCPL4502SDV	HCPL4502SV	HCPL4502V
HCPL4502W	HCPL4502WV	HCPL4503M
HCPL4503SDM	HCPL4503SM	HCPL4503TM
HMA121CR3V_NF098	HMHA2801	HMHA2801A
HMHA2801AR1	HMHA2801AR1V	HMHA2801AR2
HMHA2801AR2V	HMHA2801AR3	HMHA2801AR3V
HMHA2801AR4	HMHA2801AR4V	HMHA2801AV
HMHA2801B	HMHA2801BR1	HMHA2801BR1V
HMHA2801BR2	HMHA2801BR2V	HMHA2801BR3
HMHA2801BR3V	HMHA2801BR4	HMHA2801BR4V
HMHA2801BV	HMHA2801C	HMHA2801CR1
HMHA2801CR1V	HMHA2801CR2	HMHA2801CR2V
HMHA2801CR3	HMHA2801CR3V	HMHA2801CR4
HMHA2801CR4V	HMHA2801CV	HMHA2801R1
HMHA2801R1V	HMHA2801R2	HMHA2801R2V
HMHA2801R3	HMHA2801R3V	HMHA2801R4
HMHA2801R4V	HMHA2801V	HMHA281
HMHA281R1	HMHA281R1V	HMHA281R2
HMHA281R2V	HMHA281R3	HMHA281R3V
HMHA281R4	HMHA281R4V	HMHA281V
HMHAA280	HMHAA280R1	HMHAA280R1V
HMHAA280R2	HMHAA280R2V	HMHAA280R3
HMHAA280R3V	HMHAA280R4	HMHAA280R4V
HMHAA280V	HSR312	HSR312L
HSR312LS	HSR312LSR2	HSR312S
HSR312SR2	HSR412	HSR412L
HSR412LS	HSR412LSR2	HSR412S
HSR412SR2	KAR00032	KAR00034
KAR00035	KAR00036	KAR00036A
KAR00037	KAR00039	KAR00042
KAR00043	KAR00044	KAR00044A
KAR00044B	KAR00044C	KAR00044E
KAR00046	KAR00046A	KAR00051
KAR00052	KAR00054	KAR00055A
KAR00055A_NL	KAR00055B	KAR00056
KAR00060	KAR00060A	KAR00061
KAR00061A	KAT00022A	KAT00049
KAT00073	KAT00073B	KAT00124
KAT00128	KAT00130	KAT00134
KAT00137	KAT00138	KAT00139
KAT00146	KAT00147	KAT00148
KAT00149	KDT00026	KDT00030TR
KOI00003	KOI00003A	MCT210M
MCT2EM	MCT2ESM	MCT2ESR2M
MCT2ESR2VM	MCT2ESVM	MCT2ETM
MCT2ETVM	MCT2EVM	MCT2M
MCT2SM	MCT2SR2M	MCT2SR2VM
MCT2SVM	MCT2TM	MCT2TVM

MCT2VM	MCT5201M	MCT5201SM
MCT5201SR2M	MCT5210M	MCT5210SM
MCT5211M	MCT5211SR2M	MCT5211SVM
MID400	MID400S	MID400SD
MID400SDV	MID400SV	MID400V
MID400W	MID400WV	MOC205M
MOC205R1M	MOC205R1VM	MOC205R2M
MOC205R2VM	MOC205VM	MOC206M
MOC206R1M	MOC206R1VM	MOC206R2M
MOC206R2VM	MOC206VM	MOC207M
MOC207R1M	MOC207R1VM	MOC207R2M
MOC207R2VM	MOC207VM	MOC208M
MOC208R1M	MOC208R1VM	MOC208R2M
MOC208R2VM	MOC208VM	MOC211M
MOC211R1M	MOC211R1VM	MOC211R2M
MOC211R2VM	MOC211VM	MOC212M
MOC212R1M	MOC212R1VM	MOC212R2M
MOC212R2VM	MOC212VM	MOC213M
MOC213R1M	MOC213R1VM	MOC213R2M
MOC213R2M_5582	MOC213R2VM	MOC213VM
MOC215M	MOC215R1M	MOC215R1VM
MOC215R2M	MOC215R2VM	MOC215VM
MOC216M	MOC216R1M	MOC216R1VM
MOC216R2M	MOC216R2VM	MOC216VM
MOC217M	MOC217R1M	MOC217R1VM
MOC217R2M	MOC217R2VM	MOC217VM
MOC223M	MOC223R1M	MOC223R1VM
MOC223R2M	MOC223R2VM	MOC223R2VM_F094
MOC223VM	MOC256M	MOC256R1M
MOC256R1VM	MOC256R2M	MOC256R2M_5583
MOC256R2VM	MOC256VM	MOC3010M
MOC3010SM	MOC3010SR2M	MOC3010SR2VM
MOC3010SVM	MOC3010TM	MOC3010TVM
MOC3010VM	MOC3011M	MOC3011SM
MOC3011SR2M	MOC3011SR2VM	MOC3011SVM
MOC3011TM	MOC3011TVM	MOC3011VM
MOC3012M	MOC3012SM	MOC3012SR2M
MOC3012SR2VM	MOC3012SVM	MOC3012TM
MOC3012TVM	MOC3012VM	MOC3020M
MOC3020SM	MOC3020SR2M	MOC3020SR2VM
MOC3020SVM	MOC3020TM	MOC3020TVM
MOC3020VM	MOC3021M	MOC3021SM
MOC3021SR2M	MOC3021SR2VM	MOC3021SVM
MOC3021TM	MOC3021TVM	MOC3021VM
MOC3022M	MOC3022SM	MOC3022SR2M
MOC3022SR2VM	MOC3022SVM	MOC3022TM
MOC3022TVM	MOC3022VM	MOC3023M
MOC3023SM	MOC3023SR2M	MOC3023SR2VM

MOC3023SVM	MOC3023TM	MOC3023TVM
MOC3023VM	MOC3031M	MOC3031SM
MOC3031SR2M	MOC3031SR2VM	MOC3031SVM
MOC3031TM	MOC3031TVM	MOC3031VM
MOC3032M	MOC3032SM	MOC3032SR2M
MOC3032SR2VM	MOC3032SVM	MOC3032TM
MOC3032TVM	MOC3032VM	MOC3033M
MOC3033SM	MOC3033SR2M	MOC3033SR2VM
MOC3033SVM	MOC3033TM	MOC3033TVM
MOC3033VM	MOC3041M	MOC3041SM
MOC3041SR2M	MOC3041SR2VM	MOC3041SVM
MOC3041TM	MOC3041TVM	MOC3041VM
MOC3042M	MOC3042SM	MOC3042SR2M
MOC3042SR2VM	MOC3042SVM	MOC3042TM
MOC3042TVM	MOC3042VM	MOC3043M
MOC3043SM	MOC3043SR2M	MOC3043SR2VM
MOC3043SVM	MOC3043TM	MOC3043TVM
MOC3043VM	MOC3051M	MOC3051SM
MOC3051SR2M	MOC3051SR2VM	MOC3051SVM
MOC3051TM	MOC3051TVM	MOC3051VM
MOC3052M	MOC3052SM	MOC3052SR2M
MOC3052SR2VM	MOC3052SVM	MOC3052TM
MOC3052TVM	MOC3052VM	MOC3061M
MOC3061SM	MOC3061SR2M	MOC3061SR2VM
MOC3061SVM	MOC3061TM	MOC3061TVM
MOC3061VM	MOC3062M	MOC3062SM
MOC3062SR2M	MOC3062SR2VM	MOC3062SVM
MOC3062TM	MOC3062TVM	MOC3062VM
MOC3063M	MOC3063SM	MOC3063SR2M
MOC3063SR2VM	MOC3063SVM	MOC3063TM
MOC3063TVM	MOC3063VM	MOC3081M
MOC3081SM	MOC3081SR2M	MOC3081SR2VM
MOC3081SVM	MOC3081TM	MOC3081TVM
MOC3081VM	MOC3082M	MOC3082SM
MOC3082SR2M	MOC3082SR2VM	MOC3082SVM
MOC3082TM	MOC3082TVM	MOC3082VM
MOC3083M	MOC3083SM	MOC3083SR2M
MOC3083SR2VM	MOC3083SVM	MOC3083TM
MOC3083TVM	MOC3083VM	MOC3162M
MOC3162SM	MOC3162SR2M	MOC3162SR2VM
MOC3162SVM	MOC3162TM	MOC3162TVM
MOC3162VM	MOC3163M	MOC3163SM
MOC3163SR2M	MOC3163SR2VM	MOC3163SVM
MOC3163TM	MOC3163TVM	MOC3163VM
MOC70P1	MOC70P2	MOC70P3
MOC8021M	MOC8021SR2M	MOC8050M
MOC8050SR2M	MOC8050SR2VM	MOC8050TVM
MOC8100M	MOC8100SM	MOC8100SR2M

MOC8100SR2VM	MOC8100SVM	MOC8100TM
MOC8100TVM	MOC8100VM	MOC8106M
MOC8106SM	MOC8106SR2M	MOC8106SR2VM
MOC8107TVM	MOC8111M	MOC8111TM
MOC8112M	MOC8113M	MOC8204M
MOC8204SM	MOC8204SR2M	MOCD207D2M
MOCD207M	MOCD207R1M	MOCD207R1VM
MOCD207R2M	MOCD207R2VM	MOCD207VM
MOCD208M	MOCD208R1M	MOCD208R1VM
MOCD208R2M	MOCD208R2VM	MOCD208VM
MOCD211M	MOCD211R1M	MOCD211R1VM
MOCD211R2M	MOCD211R2VM	MOCD211VM
MOCD213M	MOCD213R1M	MOCD213R1VM
MOCD213R2M	MOCD213R2VM	MOCD213VM
MOCD217M	MOCD217R1M	MOCD217R1VM
MOCD217R2M	MOCD217R2VM	MOCD217VM
MOCD223M	MOCD223R1M	MOCD223R1VM
MOCD223R2M	MOCD223R2VM	MOCD223VM
QCK3	QCK3_0300	QCK5
QCK5TR	QEB421	QEB421TR
QEB441TR	QEC112	QEC113
QEC113C6R0	QEC113_0211	QEC113_0220
QEC121	QEC122	QEC122C4R0
QEC122C6R0	QEC123	QEC123_0044D
QEC123_0094	QEC313	QED121
QED121A4R0	QED122	QED122A3R0
QED123	QED123A4R0	QED123UL
QED123_0197	QED123_0221	QED233
QED233A4A0	QED233A4R0	QED234
QED234_0201	QED423_0200	QED522
QED522_0003	QED523	QEE113
QEE113E3R0	QEE122	QEE122_0168K
QEE123	QEE123E3R0	QEE123_0215
QEE213	QEE323	QVA11134
QVA11134_0084	QVA21114	QVE00033
QVE00034	QVE00034_0203	QVE00039
QVE00112	QVE00118	QVE00120
QVE00832	QVE00832C	QVE11233
QVE11233_0204	TIL111M	TIL111SM
TIL111SR2M	TIL111SR2VM	TIL111SVM
TIL111TM	TIL111TVM	TIL111VM
TIL113M	TIL113SM	TIL117M
TIL117SM	TIL117SR2M	TIL117SR2VM
TIL117SVM	TIL117TM	TIL117TVM
TIL117VM		