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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







2N5114 2N5115 2N5116

SILICON P-CHANNEL JFETS



www.centralsemi.com

### **DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2N5114, 2N5115, and 2N5116 are silicon P-Channel JFETs designed for switching applications.

ONE446

**MARKING: FULL PART NUMBER** 



MAXIMUM RATINGS: (T <sub>A</sub> =25°C)	SYMBOL		UNITS
Gate-Drain Voltage	$V_{\sf GD}$	30	V
Gate-Source Voltage	$V_{GS}$	30	V
Gate Current	$I_{G}$	50	mA
Power Dissipation	$P_{D}$	500	mW
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>sta</sub>	-65 to +200	°C

## ELECTRICAL CHARACTERISTICS: (T<sub>A</sub>=25°C unless otherwise noted) 2N5114 2N5115

		<u>2N</u> :	<u>5114</u>	2N5	<u> 5115</u>	2N5	<u> 5116</u>	
SYMBOL	TEST CONDITIONS	MIN	MAX	MIN	MAX	MIN	MAX	UNITS
IGSS	V <sub>GS</sub> =20V	-	500	-	500	-	500	pА
I <sub>GSS</sub>	V <sub>GS</sub> =20V, T <sub>A</sub> =150°C	-	1.0	-	1.0	-	1.0	μΑ
IDSS	V <sub>DS</sub> =18V	30	90	-	-	-	-	mA
IDSS	V <sub>DS</sub> =15V	-	-	15	60	5.0	25	mA
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =12V	-	500	-	-	-	-	pА
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =7.0V	-	-	-	500	-	-	pА
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =5.0V	-	-	-	-	-	500	pА
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =12V, $T_{A}$ =150°C	-	1.0	-	-	-	-	μΑ
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =7.0V, $T_{A}$ =150°C	-	-	-	1.0	-	-	μΑ
I <sub>D</sub> (OFF)	$V_{DS}$ =15V, $V_{GS}$ =5.0V, $T_{A}$ =150°C	-	-	-	-	-	1.0	μΑ
BVGSS	I <sub>G</sub> =1.0μA	30	-	30	-	30	-	V
V <sub>GS(OFF)</sub>	V <sub>DS</sub> =15V, I <sub>D</sub> =1.0nA	5.0	10	3.0	6.0	1.0	4.0	V
V <sub>GS(f)</sub>	I <sub>G</sub> =1.0mA	-	1.0	-	1.0	-	1.0	V
V <sub>DS(ON)</sub>	I <sub>D</sub> =15mA	-	1.3	-	-	-	-	V
V <sub>DS(ON)</sub>	I <sub>D</sub> =7.0mA	-	-	-	8.0	-	-	V
V <sub>DS(ON)</sub>	I <sub>D</sub> =3.0mA	-	-	-	-	-	0.6	V
rDS(ON)	I <sub>D</sub> =1.0mA, V <sub>GS</sub> =0	-	75	-	100	-	150	Ω
rds(ON)	$V_{GS}$ =0, $I_D$ =0, f=1.0kHz	-	75	-	100	-	150	Ω
C <sub>iss</sub>	$V_{DS}$ =15V, $V_{GS}$ =0, f=1.0MHz	-	25	-	25	-	25	pF
C <sub>rss</sub>	$V_{GS}$ =12V, $V_{DS}$ =0, f=1.0MHz	-	7.0	-	-	-	-	pF
C <sub>rss</sub>	$V_{GS}$ =7.0V, $V_{DS}$ =0, f=1.0MHz	-	-	-	7.0	-	-	pF
$C_{rss}$	$V_{GS}$ =5.0V, $V_{DS}$ =0, f=1.0MHz	-	-	-	-	-	7.0	pF

R1 (4-March 2014)

2N5114 2N5115 2N5116

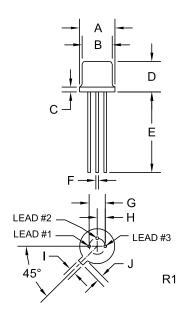
### SILICON **P-CHANNEL JFETS**



### **ELECTRICAL CHARACTERISTICS - Continued:** (T<sub>A</sub>=25°C unless otherwise noted)

		2N:	<u>5114</u>	2N:	<u>5115</u>	2N:	511 <u>6</u>	
SYMBOL	TEST CONDITIONS	MIN	MAX	MIN	MAX	MIN	MAX	UNITS
ton	$V_{DD}$ =10V, $V_{GS}$ =12V, $I_D$ =15mA, $R_L$ =580 $\Omega$	-	16	-	-	-	-	ns
ton	$V_{DD}$ =6.0V, $V_{GS}$ =7.0V, $I_{D}$ =7.0mA, $R_{L}$ =743 $\Omega$	-	-	-	30	-	-	ns
t <sub>on</sub>	$V_{DD}$ =6.0V, $V_{GS}$ =5.0V, $I_D$ =3.0mA, $R_L$ =1.8k $\Omega$	-	-	-	-	-	42	ns
toff	$V_{DD}$ =10V, $V_{GS}$ =12V, $I_{D}$ =15mA, $R_{L}$ =580 $\Omega$	-	21	-	-	-	-	ns
<sup>t</sup> off	$V_{DD}$ =6.0V, $V_{GS}$ =7.0V, $I_{D}$ =7.0mA, $R_{L}$ =743 $\Omega$		-	-	38	-	-	ns
<sup>t</sup> off	$V_{DD}$ =6.0V, $V_{GS}$ =5.0V, $I_D$ =3.0mA, $R_L$ =1.8k $\Omega$	-	-	-	-	-	60	ns

### **TO-18 CASE - MECHANICAL OUTLINE**



	DIM	ENIOLONI		
	שוט	ENSION:		
	INC	HES	MILLIM	ETERS
SYMBOL	MIN	MAX	MIN	MAX
A (DIA)	0.209	0.230	5.31	5.84
B (DIA)	0.178	0.195	4.52	4.95
С	-	0.030	-	0.76
D	0.170	0.210	4.32	5.33
E	0.500	-	12.70	-
F (DIA)	0.016	0.019	0.41	0.48
G (DIA)	0.1	0.100		54
Н	0.050		1.3	27
I	0.036	0.046	0.91	1.17
J	0.028	0.048	0.71	1.22

TO-18 (REV: R1)

### LEAD CODE:

- 1) Source
- 2) Gate 3) Drain

MARKING: FULL PART NUMBER

### **OUTSTANDING SUPPORT AND SUPERIOR SERVICES**



#### PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- · Inventory bonding
- · Consolidated shipping options

- · Custom bar coding for shipments
- · Custom product packing

#### **DESIGNER SUPPORT/SERVICES**

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free guick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- · Custom electrical curves
- · Environmental regulation compliance
- · Customer specific screening
- · Up-screening capabilities

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- Custom product and package development

#### REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

#### **CONTACT US**

### Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA

Main Tel: (631) 435-1110 Main Fax: (631) 435-1824

Support Team Fax: (631) 435-3388

www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

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www.centralsemi.com (001)



PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

Summary: The purpose of this End of Life Notification is to identify the standard packaged devices that Central previously discontinued without notification. This list excludes custom and bare die devices. The discontinuance of these devices predates Central's current EOL notification process. The notification process now utilized by Central is industry standard and future product discontinuation notifications will be issued accordingly. We apologize for any inconvenience caused.

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by various manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's Product Management Process. Any replacement product will be noted below. The effective date for placing the last purchase order will be six(6) months from the date of this notice and twelve(12) months from the notice date for final shipments; this may be extended if inventory is available.

	C ( ID (N )	D 1
	Central Part Number	Replacement
	CBRSDSH5-40	CBRSDSH2-40
	CBRSDSH5-60	CBRSDSH2-60
	CBR10-010	CBR10-010P
	CBR10-020	CBR10-020P
	CBR10-040	CBR10-040P
	CBR10-080	CBR10-080P
	CBR25-010	CBR25-010P
	CBR25-020	CBR25-020P
	CBR25-040	CBR25-040P
	CBR25-060	CBR25-060P
	CBR25-080	CBR25-080P
	CBR25-100	CBR25-100P
	CBR35-010	CBR35-010P
	CBR35-020	CBR35-020P
	CBR35-040	CBR35-040P
	CBR35-060	CBR35-060P
	CBR35-100	CBR35-100P
	CCLHM080	CMJH080
	CCLHM100	CMJH100
	CCLHM120	CMJH120
	CCLHM150	CMJH150
	CCLM0035	N/A
	CCLM0130	CMJ0130
	CCLM0300	CMJ0300
	CCLM0500	CMJ0500
	CCLM0750	CMJ0750
	CCLM1000	CMJ1000
	CCLM1500	CMJ1500
	CCLM2000	CMJ2000
	CCLM2700	CMJ2700
	CCLM3500	CMJ3500
	CCLM4500	CMJ4500
	CCLM5750	CMJ5750
	CED2838E	N/A
	CLLR1-01	CMR1-01M
*	** CONTINUED ***	

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.



PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

\*\*\* CONTINUED FROM PRIOR PAGE \*\*\*

CONTINUEDTROMTRI	OKTAGE	
Central Part Number	Replacement	
CLLR1-02	CMR1-02M	
CLLR1-04	CMR1-04M	
CLLR1-06	CMR1-06M	
CLLR1-10	CMR1-10M	
CLLR1F-02	CMR1F-02M	
CLLR1F-06	CMR1F-06M	
CLLR1F-10	CMR1F-10M	
CLLR1U-01	CMR1U-01M	
CLLR1U-02	CMR1U-02M	
CLLR1U-04	CMR1U-04M	
CLLSH1-20	CMSH1-20M	
CLLSH1-40	CMSH1-40M	
CLLSH1-60	CMSH1-60M	
CLL4104	CMHZ4104	
CLL4116	CMHZ4116	
CLL4122	CMHZ4122	
CLL457A	CMHD457A	
CLL459A	CMHD459A	
CLL4614	CMHZ4614	
CLL4615	CMHZ4615	
CLL4617	CMHZ4617	
CLL4619	CMHZ4619	
CLL4620	CMHZ4620	
CLL4625	CMHZ4625	
CLL4626	CMHZ4626	
CLL4627	CMHZ4627	
CLL4678	CMHZ4678	
CLL4679	CMHZ4679	
CLL4680	CMHZ4680	
CLL4681	CMHZ4681	
CLL4682	CMHZ4682	
CLL4683	CMHZ4683	
CLL4684	CMHZ4684	
CLL4685	CMHZ4685	
CLL4686	CMHZ4686	
CLL4687	CMHZ4687	
CLL4688	CMHZ4688	
CLL4689	CMHZ4689	
CLL4690	CMHZ4690	
CLL4690C	CMHZ4690C	
CLL4691	CMHZ4691	
CLL4692	CMHZ4692	
CLL4693	CMHZ4693	
CLL4694	CMHZ4694	
CLL4694C	CMHZ4694C	
*** CONTINUED ***		

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.



PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

\*\*\* CONTINUED FROM PRIOR PAGE \*\*\*

Central Part Number         Replacement           CLL4696         CMHZ4696           CLL4697         CMHZ4697           CLL4698         CMHZ4698           CLL4699         CMHZ4699           CLL4700         CMHZ4700           CLL4701         CMHZ4701           CLL4702         CMHZ4702           CLL4703         CMHZ4703           CLL4704         CMHZ4703           CLL4705         CMHZ4705           CLL4706         CMHZ4705           CLL4707         CMHZ4708           CLL4708         CMHZ4709           CLL4709         CMHZ4709           CLL4709         CMHZ4709C           CLL4711         CMHZ4711           CLL4713         CMHZ4711           CLL4714         CMHZ4714           CLL4715         CMHZ4714           CLL4716         CMHZ4716           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-61         N/A           CMPD300         CMPD300 BK           CMPT3640         CMPT42E		
CLL4697 CLL4698 CLL4698 CLL4699 CLL4700 CLL4701 CLL4701 CLL4701 CLL4702 CLL4702 CLL4703 CLL4703 CLL4704 CLL4705 CLL4705 CLL4707 CLL4707 CLL4707 CLL4708 CLL4709 CLL4709 CLL4709 CLL4711 CLL4710 CLL4711 CLL4713 CLL4711 CLL4713 CLL4714 CLL4713 CLL4714 CLL4715 CLL4714 CLL4715 CLL4716 CLL4716 CLL4716 CLL4716 CLL4717 CLL4718 CLL4718 CLL4718 CLL4719 CLL4719 CLL4719 CLL4719 CLL4719 CLL4710 CLL4710 CLL4710 CLL4710 CLL4710 CLL4711 CLL4711 CLL4712 CLL4712 CLL4713 CLL4714 CLL4714 CLL4715 CLL4716 CLL4717 CLL4728 CLL4728 CLL5222A CLL5222A N/A CLL5222B CMHZ5221B CLL5222B CMHZ5221B CMHZ5222B CMEDA-6I N/A CMPD300 CMPD300 CMPD300 CMPD300 CMPD300 CMPD300 CMPD400 CMPT4209 CMYSH-4 N/A CMZ5337D N/A CM2894A CM4209 CN1671A N/A CM2894A CM4209 CN1671A N/A CM2581B IN5281B IN5281B CN695 N/A CR150-005 N/A CR150-005 N/A CR150-007 N/A CR150-000	Central Part Number	-
CLL4698 CLL4699 CLL4699 CLL4700 CMHZ4700 CLL4701 CLL4701 CLL4702 CLL4702 CLL4703 CLL4703 CLL4704 CLL4705 CLL4705 CLL4706 CLL4707 CLL4708 CLL4709 CLL4709 CLL4709 CLL4711 CLL4711 CLL4711 CLL4711 CLL4712 CLL4713 CLL4714 CLL4711 CLL4714 CLL4715 CLL4714 CLL4715 CLL4716 CLL4716 CLL4717 CMHZ4717 CLL4718 CLL4718 CLL4718 CLL4719 CLL4719 CLL4719 CLL4719 CLL4710 CMHZ4711 CLL4711 CLL4711 CLL4712 CLL4713 CMHZ4714 CLL4714 CLL4715 CLL4716 CLL4717 CMHZ4717 CLL4728 CLL4728 CLL5201 CMPD5001 CLL52221B CMHZ5221B CMHZ5221B CMEDA-61 N/A CLL5222B CMEDA-61 N/A CMPD300 CMPD300 CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPD400 CMPT4209 CMWSH-4 N/A CMZ5337D N/A CM2894A CM4209 CNI671A N/A CN2894A CM4209 CNI671A N/A CR150-005 N/A CR150-005 N/A CR150-000 N/A CR150-040 N/A CR150-040 N/A CR150-080 N/A CR150-080 N/A CR150-080 N/A CR150-080 N/A CR150-080 N/A	CLL4696	CMHZ4696
CLL4699 CLL4700 CLL4701 CLL4701 CLL4701 CLL4702 CLL4702 CLL4703 CLL4703 CLL4703 CLL4704 CLL4705 CLL4705 CLL4707 CLL4707 CLL4708 CLL4709 CLL4709 CLL4709 CLL4709 CLL4711 CLL4713 CMHZ4709 CLL4711 CLL4713 CMHZ4711 CLL4715 CLL4714 CLL4715 CLL4716 CLL4716 CLL4717 CLL4718 CLL4717 CLL4718 CLL4718 CLL4718 CLL4719 CMHZ4711 CLL4718 CLL4719 CLL4719 CLL4719 CMHZ4711 CLL4718 CLL4710 CLL4710 CLL4711 CLL4711 CLL4711 CLL4711 CLL4712 CLL4712 CLL4712 CLL4713 CMHZ4713 CLL4714 CMHZ4714 CLL4715 CLL4716 CMHZ4717 CLL4728 CLL5001 CMPD5001 CLL5221B CMHZ5221B CMHZ5221B CMHZ5222B CMHZ5222B CMHZ5222B CMHZ5222B CMHZ5222B CMPD400 CMPD300 CMPD300 CMPD300 CMPD300 CMPD400 CMPT420 CMPTA42 CMPTA44 CMCASA	CLL4697	CMHZ4697
CLL4700	CLL4698	CMHZ4698
CLL4701 CMHZ4701 CLL4702 CMHZ4702 CLL4703 CMHZ4703 CLL4704 CMHZ4704 CLL4705 CMHZ4705 CLL4707 CMHZ4707 CLL4708 CMHZ4708 CLL4709 CMHZ4709 CLL4709 CMHZ4709 CLL4711 CMHZ4711 CLL4713 CMHZ4713 CLL4714 CMHZ4714 CLL4715 CMHZ4715 CLL4716 CMHZ4715 CLL4716 CMHZ4717 CLL4728 CLL4728A CLL4728 CLL4728A CLL5001 CMPD5001 CLL5221B CMHZ5221B CLL5222A N/A CLL5222B CMHZ5222B CMEDA-6I N/A CMPD400 CMPD400 BK CMPD400 CMPD400 BK CMPD400 CMPD400 BK CMPTA92 CMPT429 CMWSH-4 N/A CMZ5337D N/A CMZ5337D N/A CMZ581B IN5281B CN695 N/A CR150-005 N/A CR150-005 N/A CR150-005 N/A CR150-040 N/A CR150-040 N/A CR150-040 N/A CR150-080 N/A	CLL4699	CMHZ4699
CLL4702 CLL4703 CLL4704 CLL4705 CLL4705 CLL4707 CMHZ4707 CLL4708 CLL4708 CLL4709 CLL4709 CLL4709 CLL4711 CMHZ4709 CLL4711 CLL4713 CLL4713 CLL4714 CLL4715 CLL4716 CLL4716 CLL4717 CLL4718 CLL4717 CLL4718 CLL4718 CLL4718 CLL4718 CLL4719 CLL4719 CLL4719 CLL4719 CLL4710 CLL4710 CLL4710 CLL4711 CLL4711 CLL4711 CLL4711 CLL4711 CLL4712 CLL4712 CLL4712 CLL4713 CLL4714 CMHZ4711 CLL4712 CLL4714 CMHZ4717 CLL4728 CLL4728 CLL4728A CLL5001 CMPD5001 CLL5221B CMHZ5221B CMHZ5221B CMHZ5221B CMHZ5222B CMEDA-61 N/A CMPD300 CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPD400 CMPD400 CMPD400 CMPD400 CMPT42E CMPTA42 CMPTA42 CMPTA42 CMPTA42 CMPTA42 CMPTA92 CM	CLL4700	CMHZ4700
CLL4703 CLL4704 CLL4705 CLL4705 CLL4707 CLL4708 CLL4708 CLL4709 CLL4709 CLL4709 CLL4709 CLL4711 CMHZ4709 CLL4711 CLL4713 CMHZ4713 CLL4714 CLL4715 CLL4716 CLL4716 CLL4717 CLL4718 CLL4717 CLL4718 CLL4718 CLL4718 CLL4718 CLL4719 CLL4719 CLL4719 CLL4719 CLL4710 CLL4710 CLL4711 CLL4711 CLL4711 CLL4711 CLL4711 CLL4712 CLL4712 CLL4712 CLL4712 CLL4728 CLL4728A CLL5221B CMHZ4713 CLL4728 CLL5222B CMHZ5221B CMHZ5221B CMHZ5221B CMHZ5222B CMEDA-6I CMPD300 CMPD300 CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPD400 CMPD400 BK CMPTA42 CMPTA44 CMAAA CMAAAA CMAAAAA CMAAAAAAAAAAAAA	CLL4701	CMHZ4701
CLL4704 CLL4705 CLL4707 CLL4707 CLL4708 CLL4708 CLL4709 CLL4709 CLL4709 CLL4709 CLL4711 CMHZ4709 CLL4711 CMHZ4711 CLL4713 CLL4714 CLL4715 CLL4715 CLL4716 CLL4717 CLL4728 CLL4728 CLL4728 CLL4728 CLL5001 CMHZ5221B CMHZ5222B CMEDA-6I CMEDA-6I CMPD400 CMPD400 CMPD400 CMPD400 CMPTA42 CMPTA92 CMPTA92 CMPTA92 CMPTA92 CMPT3640 CMPT3640 CMPT3610 CMPS81B CMS81-4 CM2894A CM2894A CM2894A CM2500 CR150-005 CR150-005 CR150-005 CR150-000 CMS1-0-008 CMPC CNAC CR150-000 CMPCAC CMAC CR150-000 CMPCAC CMAC CR150-000 CMPCAC CMAC CR150-000 CMPCAC CMAC CR150-000 CMAC	CLL4702	CMHZ4702
CLL4705 CLL4707 CLL4708 CLL4708 CLL4709 CMHZ4709 CLL4709 CLL4709 CLL4709 CLL4711 CMHZ4711 CLL4713 CMHZ4713 CLL4714 CLL4715 CLL4715 CLL4716 CLL4717 CLL4717 CLL4728 CLL4717 CLL4728 CLL4728A CLL5001 CMHZ5221B CLL5222A CLL5222A CLL5222B CMHZ5222B CMHZ5222B CMEDA-6I CMPD300 CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPD400 CMPD400 CMPT42 CMPTA42 CMPTA42 CMPTA92 CMPTA90 CMPTA409 CMYSH-4 N/A CM2894A CM4209 CN1671A N/A CN25281B IN5281B IN5281B CN695 N/A CR150-005 N/A CR150-005 N/A CR150-0005 N/A CR150-0000 N/A CR150-040 N/A CR150-040 N/A CR150-040 N/A CR150-040 N/A CR150-080 N/A CR150-080 N/A	CLL4703	CMHZ4703
CLL4707         CMHZ4707           CLL4708         CMHZ4708           CLL4709         CMHZ4709           CLL4709C         CMHZ4709C           CLL4711         CMHZ4711           CLL4713         CMHZ4713           CLL4714         CMHZ4714           CLL4715         CMHZ4715           CLL4716         CMHZ4717           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPTA92         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-040R	CLL4704	CMHZ4704
CLL4708         CMHZ4708           CLL4709         CMHZ4709           CLL4709C         CMHZ4709C           CLL4711         CMHZ4711           CLL4713         CMHZ4713           CLL4714         CMHZ4715           CLL4715         CMHZ4715           CLL4716         CMHZ4717           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42E         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-040R         N/A           CR150-080R	CLL4705	CMHZ4705
CLL4709         CMHZ4709           CLL4709C         CMHZ4709C           CLL4711         CMHZ4711           CLL4713         CMHZ4713           CLL4714         CMHZ4714           CLL4715         CMHZ4715           CLL4716         CMHZ4717           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN150-005         N/A           CR150-005         N/A           CR150-040         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-080R         N/A	CLL4707	CMHZ4707
CLL4709C CLL4711 CLL4713 CLL4713 CLL4714 CLL4715 CLL4715 CLL4716 CLL4717 CLL4717 CLL4728 CLL4728 CLL4728 CLL5001 CLL5221B CMHZ5221B CLL5222A CLL5222B CMEDA-6I CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPT422 CMPTA42 CMPTA42 CMPTA92 CMPTA92 CMPTA92 CMPT3640 CMPT3640 CMPT337D N/A CM2894A CM25337D N/A CM2894A CM25281B CM5281B CM695 N/A CR150-005 N/A CR150-005 N/A CR150-040 CR150-080 N/A	CLL4708	CMHZ4708
CLL4711 CLL4713 CLL4714 CLL4715 CLL4715 CLL4716 CLL4717 CLL4717 CLL4728 CLL4728 CLL4728 CLL5001 CLL5221B CMHZ5221B CLL5222A CLL5222B CMEDA-6I CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPT422 CMPTA42 CMPTA42 CMPTA92 CMPTA92 CMPTA92 CMPT3640 CMPT3640 CMPT3637D N/A CM25337D N/A CM2894A CM25281B CM4209 CN1671A N/A CM2894A CN5281B CN695 N/A CR150-005 N/A CR150-006 CR150-040 CR150-040 CR150-080 N/A	CLL4709	CMHZ4709
CLL4713 CLL4714 CLL4715 CLL4715 CLL4716 CLL4717 CLL4728 CLL4728 CLL5001 CLL5221B CLL5222A CLL5222B CMEDA-6I CMPD300 CMPD300 CMPD400 CMPD400 CMPD400 CMPD400 CMPT442 CMPTA92 CMPTA92 CMPTA92 CMPTA92 CMPT3640 CMPT4209 CMWSH-4 CMZ5337D N/A CM25337D N/A CM2894A CM25281B CM4209 CN1671A N/A CN5281B CN695 N/A CR150-005 N/A CR150-020 CR150-040 CR150-080 N/A CR150-080 CMPCMPA16 CMMZ5115 CMMZ712 CMMZ713 CMM	CLL4709C	CMHZ4709C
CLL4714 CMHZ4714 CLL4715 CMHZ4715 CLL4716 CMHZ4716 CLL4717 CMHZ4717 CLL4728 CLL4728A CLL5001 CMPD5001 CLL5221B CMHZ5221B CLL5222A N/A CLL5222B CMHZ5222B CMEDA-6I N/A CMPD300 CMPD300 BK CMPD400 CMPD400 BK CMPTA42 CMPTA42E CMPTA92 CMPTA92E CMPTA92 CMPT4209 CMWSH-4 N/A CMZ5337D N/A CM2894A CM4209 CN1671A N/A CN5281B IN5281B CN695 N/A CR150-005 N/A CR150-005 N/A CR150-005 N/A CR150-020 N/A CR150-040 N/A CR150-040 N/A CR150-040 N/A CR150-080 N/A CR150-080 N/A CR150-080 N/A CR150-080 N/A	CLL4711	CMHZ4711
CLL4715         CMHZ4716           CLL4716         CMHZ4716           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPT42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         IN5281B           CN695         N/A           CR150-005         N/A           CR150-010         N/A           CR150-040         N/A           CR150-040         N/A           CR150-080         N/A           CR150-080R         N/A	CLL4713	CMHZ4713
CLL4716         CMHZ4716           CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPT422         CMPT42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         IN5281B           CN695         N/A           CR150-005         N/A           CR150-040         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-080         N/A           CR150-080R         N/A	CLL4714	CMHZ4714
CLL4717         CMHZ4717           CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD400 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-0010         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-080R         N/A	CLL4715	CMHZ4715
CLL4728         CLL4728A           CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CM25337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-0010         N/A           CR150-040         N/A           CR150-040         N/A           CR150-080         N/A           CR150-080R         N/A	CLL4716	CMHZ4716
CLL5001         CMPD5001           CLL5221B         CMHZ5221B           CLL5222A         N/A           CLL5222B         CMHZ5222B           CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CMZ5337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-0070         N/A           CR150-040         N/A           CR150-040         N/A           CR150-080         N/A           CR150-080         N/A	CLL4717	CMHZ4717
CLL5221B       CMHZ5221B         CLL5222B       CMHZ5222B         CMEDA-6I       N/A         CMPD300       CMPD300 BK         CMPD400       CMPD400 BK         CMPTA42       CMPTA42E         CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CLL4728	CLL4728A
CLL5222A       N/A         CLL5222B       CMHZ5222B         CMEDA-6I       N/A         CMPD300       CMPD300 BK         CMPD400       CMPD400 BK         CMPTA42       CMPTA42E         CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-040       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CLL5001	CMPD5001
CLL5222B       CMHZ5222B         CMEDA-6I       N/A         CMPD300       CMPD300 BK         CMPD400       CMPD400 BK         CMPTA42       CMPTA42E         CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-040       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CLL5221B	CMHZ5221B
CMEDA-6I         N/A           CMPD300         CMPD300 BK           CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CMZ5337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-005R         N/A           CR150-010         N/A           CR150-020         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-080         N/A           CR150-080R         N/A	CLL5222A	N/A
CMPD300       CMPD300 BK         CMPD400       CMPD400 BK         CMPTA42       CMPTA42E         CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CLL5222B	CMHZ5222B
CMPD400         CMPD400 BK           CMPTA42         CMPTA42E           CMPTA92         CMPTA92E           CMPT3640         CMPT4209           CMWSH-4         N/A           CMZ5337D         N/A           CM2894A         CM4209           CN1671A         N/A           CN5281B         1N5281B           CN695         N/A           CR150-005         N/A           CR150-0010         N/A           CR150-040         N/A           CR150-040R         N/A           CR150-080         N/A           CR150-080R         N/A	CMEDA-6I	N/A
CMPTA42       CMPTA42E         CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CMPD300	CMPD300 BK
CMPTA92       CMPTA92E         CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CMPD400	CMPD400 BK
CMPT3640       CMPT4209         CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CMPTA42	CMPTA42E
CMWSH-4       N/A         CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CMPTA92	CMPTA92E
CMZ5337D       N/A         CM2894A       CM4209         CN1671A       N/A         CN5281B       1N5281B         CN695       N/A         CR150-005       N/A         CR150-005R       N/A         CR150-010       N/A         CR150-020       N/A         CR150-040       N/A         CR150-040R       N/A         CR150-080       N/A         CR150-080R       N/A	CMPT3640	CMPT4209
CM2894A CM4209 CN1671A N/A CN5281B 1N5281B CN695 N/A CR150-005 N/A CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CMWSH-4	N/A
CN1671A N/A CN5281B 1N5281B CN695 N/A CR150-005 N/A CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CMZ5337D	N/A
CN5281B CN695 N/A CR150-005 N/A CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 CR150-040 CR150-040R CR150-080 N/A CR150-080 N/A CR150-080R N/A	CM2894A	CM4209
CN695 N/A CR150-005 N/A CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CN1671A	N/A
CR150-005 N/A CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CN5281B	1N5281B
CR150-005R N/A CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CN695	N/A
CR150-010 N/A CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CR150-005	N/A
CR150-020 N/A CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CR150-005R	N/A
CR150-040 N/A CR150-040R N/A CR150-080 N/A CR150-080R N/A	CR150-010	N/A
CR150-040R N/A CR150-080 N/A CR150-080R N/A	CR150-020	N/A
CR150-080 N/A CR150-080R N/A	CR150-040	N/A
CR150-080R N/A	CR150-040R	N/A
	CR150-080	N/A
** CONTINUED ***	CR150-080R	N/A
	** CONTINUED ***	

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PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

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Central Part Number	Donlogoment
CR250-020	Replacement N/A
CR250-020 CR250-080	N/A
CR250-080R	N/A
CR250-000K CR250-120	N/A
CR250-120R	N/A
CR250-120R CR250-2	N/A
CR250-3	N/A
CR250F-3	N/A
CR250F-4	N/A
CR3-005	CR3-005GPP
CR3-010	CR3-010GPP
CR3-020	CR3-020GPP
CR3-040	CR3-040GPP
CR3-060	CR3-060GPP
CR3-080	CR3-080GPP
CR3-100	CR3-100GPP
CR3-120	CR3-120GPP
CR3U-100	N/A
CR6AF2	CR6AF2GPP
CR6A4	CR6A4GPP
CSMS15	N/A
CSMS24	N/A
CSTB162	N/A
CSTB165	N/A
CSTB362	N/A
CSTB365	N/A
CSTB462	N/A
CSTB465	N/A
CSTB567	N/A
CSTB568	N/A
CSTB569	N/A
CTLDM7003T-M563D	N/A
CTLDM7120-M832D	CTLDM7120-M832DS
CTLDM7181-M832D	N/A
CTLDM8120-M832D	CTLDM8120-M832DS
CTLM1034-M832D	N/A
CTLM1074-M832D	N/A
CTLM3410-M832D	N/A
CTLM3474-M832D	N/A
CTLM7110-M832D	N/A
CTLM7410-M832D	N/A N/A
CTLM8110-M832D CTLSH1-40M322	CTLSH1-40M322S
CTLSH1-40M563	N/A
CTLSH1-40M832D	CTLSH1-40M832DS
*** CONTINUED ***	C1L3111-40101032D3
CONTINUED	

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Notification Date:	8/03/15
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Last Shipment Date	Varies

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Central Part Number	Replacement
CTLSH10-60M856	N/A
CTLSH2-40M832	N/A
CTLSH3-30M833	CTLSH3-30M833S
CTLSH5-40M833	CTLSH5-40M833S
CTLS5064-M532	N/A
CTLS5064R-M532	N/A
CTLT3410-M521	N/A
CTLT5551-M832D	N/A
CTLT7410-M521	N/A
CTLT853-M833	CTLT853-M833S
CTLT953-M833	CTLT953-M833S
CYTA44D	N/A
CYTA4494D	N/A
CYT5551D	N/A
CYT5551HCD	N/A
CYT7090LD	N/A
CZT900K	N/A
MMPQ2222A	N/A
MMPQ2907A	N/A
MMPQ3904	N/A
MMPQ3906	N/A
MMPQ6502	N/A
MM4258	CM4209
PN2894	PN4209
PN3640	PN4209
PN4258	PN4209
PN5910	PN4209
1N277	N/A
1N34A	N/A
1N355	N/A
1N4444	1N4148
1N4634	N/A
1N4944	1N4946
1N5333B	N/A
1N5334B	CZ5334B
1N5335B	CZ5335B
1N5336B	CZ5336B
1N5337B	CZ5337B
1N5338B	CZ5338B
1N5339B	CZ5339B
1N5339C	N/A
1N5340B	CZ5340B
1N5341B	CZ5340B CZ5341B
1N5341C	N/A
1N5342B	CZ5342B
** CONTINUED ***	CLJJ74D
CONTINUED	

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Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

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Central Part Number	•
1N5342C	N/A
1N5343B	CZ5343B
1N5343C	N/A
1N5344B	CZ5344B
1N5345B	CZ5345B
1N5346B	CZ5346B
1N5347B	CZ5347B
1N5348B	CZ5348B
1N5349B	CZ5349B
1N5350B	CZ5350B
1N5350C	N/A
1N5351B	CZ5351B
1N5351C	N/A
1N5352B	CZ5352B
1N5355B	CZ5355B
1N5356B	CZ5356B
1N5357B	CZ5357B
1N5358B	CZ5358B
1N5359B	CZ5359B
1N5360B	CZ5360B
1N5361B	CZ5361B
1N5362B	CZ5362B
1N5364B	CZ5364B
1N5365B	CZ5365B
1N5368B	CZ5368B
1N5370B	CZ5370B
1N5373B	CZ5373B
1N5374B	CZ5374B
1N5375B	CZ5375B
1N5376B	CZ5376B
1N5377B	CZ5377B
1N5378B	CZ5378B
1N5380B	CZ5380B
1N5382B	CZ5382B
1N5383B	CZ5383B
1N5384B	CZ5384B
1N5386B	CZ5386B
1N5387B	CZ5387B
1N5388B	CZ5388B
1N5416	1N5419
1N5417	1N5419
1N5418	1N5419
1N5559B	1N4736A
1N5565B	1N4742A
1N5586B	1N4763A
** CONTINUED ***	

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PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	Varies
Last Shipment Date	Varies

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Central Part Number	Replacement
1N60	N/A
1N6263	CMDD6263
1N6373	1.5CE6.8A
1N64	N/A
1N645	CN645
1N647	CN647
1N649	CN649
1N67A	N/A
1N774	N/A
1N821A	CMKTC825A
1N823A	CMKTC825A
1N823A DO-7	CMKTC825A
1N825A	CMKTC825A
1N825A DO-7	CMKTC825A
1N827A	CMKTC825A
1N827A DO-7	CMKTC825A
1N829A	CMKTC825A
1N829A DO-7	CMKTC825A
1N87A	N/A
1N888	N/A
1N914B	1N4448
2N2411	CM4209
2N2412	CM4209
2N2609	2N5116
2N2646	2N4870
2N2840	N/A
2N2894	CM4209
2N3012	CM4209
2N3055H	N/A
2N3249	CM4209
2N3546	CM4209
2N3724A	2N3725A
2N3829	CM4209
2N4208	CM4209
2N4209	CM4209
2N5057	CM4209
2N5114	2N5116
2N5484	2N5485 H
2N5545	N/A
2N5771	PN4209
2N5950	2N5951
2N869	CM4209
2N869A	CM4209

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PDN ID:	PDN01000
Notification Date:	8/03/15
Last Buy Date:	
Last Shipment Date	Varies

\*\*\* CONTINUED FROM PRIOR PAGE \*\*\*

Central Part Number	Replacement	
Central would be happy to assis	st you by providing add	itional information or technical data to help locate an alternate source if we
have no replacement available.	Please email your reque	ests to engineering@centralsemi.com.

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