



Customer Product/Process Change Notification

PCN # 128861
Issued Date: 27.Jun.25
Issued By: Cheryll Santiago
Author: _____

Change affects whole product family?

Part #'s affected (See attached if entire product family is affected)

597-3029-207F, 597-3209-207F, 597-3329-207F, 597-3409-207F, 597-3609-207F, 597-3909-207F

Description of Change:

Orange LED replaced with new die and package. Red, Green, Yellow, Blue, and White LED is higher luminous intensity.

Reason for Change:

Old LED die for Orange is obsolete. Red, Green, Yellow, Blue, and White LED lowest intensity bin is discontinued.

Properties of Old vs. Changed Product:

See LED Comparison sheets

Disposition of Old Product:

Deplete existing stock on hand

Expected Implementation Date:	Immediate
Last Time Buy Date:	When stock is depleted
Customer Feedback Expected by:	N/A

Additional Comments: (Include Potential Risks if Appropriate)

Supporting Qualification Data:

Available upon request

Affected Part Numbers

PCN # 128861

Part Numbers Affected by the change	
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<u>EOL Part Number</u>	<u>Description</u>
597-3209-207F	SMD LED PLCC4 ORG 50mA
597-3029-207F	SMD LED PLCC4 RED 50mA
597-3329-207F	SMD LED PLCC4 GREEN 30mA
597-3409-207F	SMD LED PLCC4 YELLOW 50mA
597-3609-207F	SMD LED PLCC4 BLUE 30mA
597-3909-207F	SMD LED PLCC4 WHITE 30mA

Replacement Part Numbers	
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<u>New Part Number</u>	<u>Description</u>
599-0B30-137F	PLCC4 SMD LED ORANGE 50mA
	NO CHANGE IN PART NUMBER
	NO CHANGE IN PART NUMBER
	NO CHANGE IN PART NUMBER
	NO CHANGE IN PART NUMBER
	NO CHANGE IN PART NUMBER

PCN Product Comparison Form

PCN # 128861

OBSOLETE

REPLACEMENT

Previous Product
597-3209-207F ORANGE

New Product
599-0B30-137F ORANGE

Parameter

Test Condition

MAX Absolute Ratings

Ta=25°C

Operating Temperature
Storage Temperature
Forward Current
Peak Forward Current
Reverse Voltage

Min	Typ	Max	Units
-40 to +110			°C
-40 to +110			°C
70			mA
100			mA
12V			V

Min	Typ	Max	Units
-40 to +100			°C
-40 to +100			°C
50			mA
140			mA
12V			V

Optical/Electrical Characteristics

Test Condition

Luminous Intensity
Peak Wavelength
Dominant Wavelength
Viewing Angle
Forward Voltage
Reverse Current

IF=50mA
IF=50mA
IF=50mA
IF=50mA
IF=50mA
VR=12V

Min	Typ	Max	Units
1400		4500	mcd
	610		nm
600		609	nm
	120		degrees
1.9		2.5	V
		10	uA

Min	Typ	Max	Units
1800		3350	mcd
	615		nm
612		624	nm
	120		degrees
1.75		3.0	V
		5	uA

PCN Product Comparison Form

PCN # 128861

ITEM# 1		Previous Product				New Product			
		597-3029-207F RED				597-3029-207F RED			
Parameter	Test Condition	Min	Typ	Max	Units	Min	Typ	Max	Units
MAX Absolute Ratings									
	Ta=25°C								
Operating Temperature		-40 to +110			°C	-40 to +110			°C
Storage Temperature		-40 to +110			°C	-40 to +110			°C
Forward Current		70			mA	70			mA
Peak Forward Current		100			mA	100			mA
Reverse Voltage		12V			V	12V			V
Optical/Electrical Characteristics									
		Min	Typ	Max	Units	Min	Typ	Max	Units
Luminous Intensity	IF=50mA	1120		2800	mcd	1400		3550	mcd
Peak Wavelength	IF=50mA		634		nm		634		nm
Dominant Wavelength	IF=50mA	620		630	nm	620		630	nm
Viewing Angle	IF=50mA		120		degrees		120		degrees
Forward Voltage	IF=50mA	1.9		2.5	V	1.9		2.5	V
Reverse Current	VR=12V			10	uA			10	uA

ITEM# 2		Previous Product				New Product			
		597-3329-207F GREEN				597-3329-207F GREEN			
Parameter	Test Condition	Min	Typ	Max	Units	Min	Typ	Max	Units
MAX Absolute Ratings									
	Ta=25°C								
Operating Temperature		-40 to +110			°C	-40 to +110			°C
Storage Temperature		-40 to +110			°C	-40 to +110			°C
Forward Current		50			mA	50			mA
Peak Forward Current		400			mA	400			mA
Reverse Voltage		5V			V	5V			V
Optical/Electrical Characteristics									
		Min	Typ	Max	Units	Min	Typ	Max	Units
Luminous Intensity	IF=30mA	1120		2240	mcd	1800		3550	mcd
Peak Wavelength	IF=30mA		520		nm		520		nm
Dominant Wavelength	IF=30mA	516		540	nm	516		540	nm
Viewing Angle	IF=30mA		120		degrees		120		degrees
Forward Voltage	IF=30mA	2.9		3.8	V	2.5		3.4	V
Reverse Current	VR=5V			10	uA			10	uA

ITEM# 3		Previous Product				New Product			
		597-3409-207F YELLOW				597-3409-207F YELLOW			