

**Product / Process Change Notification (PCN)**  
Honeywell Juarez Optoelectronica

PCN #	0338	Notification Date:	12/09/2021
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Title:	V7 UL61058-1 spec update and contact material change.		
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PCN type:	Notification only	<input type="checkbox"/>	Authorization	<input checked="" type="checkbox"/>
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**Honeywell Contact**

Name:	Artemio Lara	Title:	Sr. Quality Engineer.
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**Product Identification**

Affected Part # (s)	Appendix 1 below		
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Revision # (s)	Rev per installation drawing of each part number.		
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Does this change result in product number change?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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**Reason for Change: (check all that apply)**

Material	<input checked="" type="checkbox"/>	Processing / Manufacturing	<input type="checkbox"/>
Design / Firmware / Software	<input type="checkbox"/>	Datasheet	<input type="checkbox"/>
Logistics	<input type="checkbox"/>	Functional	<input type="checkbox"/>
Appearance	<input type="checkbox"/>	Dimensional	<input type="checkbox"/>
Quality / Reliability	<input type="checkbox"/>	Other:	<input type="checkbox"/>

**Change Description (include detailed process steps as applicable)**

Documentation attached:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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The changes include:

1. Marking changes associated with an upgrade of the UL standard from UL 1054 to UL 61058-1. New markings to be shown on switch and can be seen in the identification comparison table below.
2. Change in contact material to Silver Nickel. All impacted switches listed in the appendix are now RoHS compliant without the need for an exemption.

Expected full implementation into production: Feb 28, 2022

**Justification for change**

Documentation attached:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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To require latest UL STD specifications

**Quantifiable impact on Quality & Reliability (Include FMEA / reliability data as applicable)**

Documentation attached:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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No impact of Quality and Reliability of the switch based on the passing results shown in the qualification test plan below.

**Identification method to distinguish change**

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The table below compares the existing vs. new contact material and switch markings based on the V7 type switch.

V7 Type	Current Contact Material	Current UL1054 marking	New Contact Material	New UL61058-1 marking
V7-A	Fine Silver	5A, 125-250-277Vac; 1/10hp, 250Vac 5A, 277Vac; 1/10hp, 250Vac	Silver Nickel	5A GP, 125-250-277Vac, 60Hz; 1/10hp, 250Vac 60Hz
V7-C	Fine Silver	15.1A, 1/2hp, 125-250-277 Vac; 0.5A, 125Vdc; 0.25A, 250Vdc; 5A, 125Vac "L"	Silver Nickel	15.1A GP, 1/2hp, 125-250-277Vac, 60 Hz; 5A, 125VL, 60 Hz 15.1A GP, 1/2hp, 125-250-277Vac, 60 Hz 0.5A, 125Vdc; 0.25A, 250Vdc, 5A, 125VL, 60 Hz
V7-E	Fine Silver	10A, 1/3hp, 125-250-277Vac; 0.5A, 125Vdc; 0.25A, 250Vdc; 4A, 125Vac "L" 10A, 277Vac	Silver Nickel	10A GP, 1/3hp, 125-250-277Vac, 60 Hz 0.5A, 125Vdc; 0.25A, 250Vdc; 4A, 125VL, 60 Hz 10A GP, 277Vac, 60 Hz
V7-F	Fine Silver	3A, 125-250-277Vac; 1/10hp, 250Vac	Silver Nickel	3A GP, 125-250-277Vac, 60Hz; 1/10hp, 250Vac 60Hz
V7-K	Silver Cadmium Oxide	22A, 125-250-277Vac; 1hp, 125Vac; 2hp, 250Va	Silver Nickel	22A GP, 125-250-277Vac, 60 Hz; 1hp, 125Vac, 60 Hz 2hp, 250-277Vac, 60 Hz
V7-X	Fine Silver	6A, 1/8hp, 125-250-277Vac	Silver Nickel	6A GP, 1/8hp, 125-250-277Vac, 60 Hz

### Results Qualification Plan

Documentation attached:		YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Samples:	Available	<input type="checkbox"/>	Will be available:	<input checked="" type="checkbox"/>	Not Applicable
Sample availability date:		n/a			

UL had performed testing per the latest updated UL61058-1 standard for samples with silver nickel contacts. UL allowed us to test the model types K, C, X as representative of the others because these were higher rated and use similar construction to the other type listings. The results were good and can be seen in the table below.

Model	Ratings			Test Result	Notes	Recognition
V7-1K13E9	22A, 277V, 60Hz	GP	T150 6K	Pass	NC	yes
	22A, 277V, 60Hz	GP	T150 6K	Pass	NO	yes
	1HP, 125V, 60Hz	HP	T150 100K	Pass	NC	yes
	1HP, 125V, 60Hz	HP	T150 100K	Pass	NO	yes
	22A, 277V, 60Hz	GP	T150 100K	Pass	NC - 100K for silver nickel contacts (original contacts only 6K)	new model/suffix needed
	22A, 277V, 60Hz	GP	T150 100K	Pass	NO - 100K for silver nickel contacts (original contacts only 6K)	new model/suffix needed
V7-1C13D8	15.1A, 1/2HP, 125V, 60Hz	GP-HP	T150 6K	Pass	NC	yes
	15.1A, 1/2HP, 125V, 60Hz	GP-HP	T150 6K	Pass	NO	yes
	15.1A, 1/2HP, 125V, 60Hz	GP-HP	T150 100K	Pass	NC - 100K for silver nickel contacts (original contacts only 6K)	new model/suffix needed
	15.1A, 1/2HP, 125V, 60Hz	GP-HP	T150 100K	Pass	NO - 100K for silver nickel contacts (original contacts only 6K)	new model/suffix needed
V7-1X1AD9C1	6A, 1/8HP, 277V, 60Hz	GP-HP	T200 100K	Pass	NC	yes
	6A, 1/8HP, 277V, 60Hz	GP-HP	T200 100K	Pass	NO	yes

### Customer Acknowledgement & Disposition (applicable for AUTHORIZATION PCN type only)

Honeywell requests that you acknowledge receipt of this change notification and provide your written authorization. Please sign and e-mail to [ana.rosales@honeywell.com](mailto:ana.rosales@honeywell.com) and contact listed above.

Approved:	<input type="checkbox"/>
Rejected:	<input type="checkbox"/>
Reject Reason: (if applicable)	
Disposition Date:	
Company:	
Name:	
Title:	
Business Phone:	

Fax #	
E-mail:	
Location:	
Comments: (if any)	

For **PCN's of type notification only**, the factory will start shipping product as soon as the PCN is sent out to customers.

#### Appendix 1

V7-1A13D81-000-1	V7-1C18E9	V7-1X2AE9-292	V7-4A27E9-000-1
V7-1A13E9-731-1	V7-1C18E9-022	V7-1X2AE986-000-2	V7-4A27E9-000-1=T3
V7-1A17D8	V7-1C23D8-294	V7-1X2AE9F1-000-1	V7-4A27E9-000-2
V7-1A17D8-048	V7-1C27D855-002	V7-2A13D8-000-1	V7-4A29E8-424
V7-1A17D8-057	V7-1C27D94	V7-2A13D8F1-000-1	V7-4A37E9-000-1
V7-1A23D888-000-1	V7-1C27E9	V7-2A17D8-207	V7-4A37E9-000-1=T1
V7-1A23E9-172	V7-1C27E9-263	V7-2A17E9	V7-4A37E9-000-3
V7-1A23E9-438-2	V7-1C27E9-292	V7-2A17E94-338	V7-4F27E9-000-1
V7-1A27D8-207	V7-1C27E9=TEC2	V7-2A18D8-207	V7-5F17D8
V7-1A27D8-636	V7-1C28E9	V7-2A19D8-271-1=IN	V7-5F17D8-000-1
V7-1A28D882	V7-1C28E9-022	V7-2A27D8-000-4	V7-5F17D8-000-2
V7-1A37D8-000-3	V7-1C29E94-000-1	V7-2A27D84	V7-5F17D8-000-3
V7-1A38E9-201-2	V7-1C33D855-002	V7-2A27D84-000-1=W	V7-5F17D8-289
V7-1C13D8-201	V7-1C33D8=INV1	V7-2A27E9=BC	V7-5F17D8-336
V7-1C13E9	V7-1C33E9C4-000-1	V7-2H15D8-000-2	V7-5F17E7B1-000-1
V7-1C17D8	V7-1C37D8	V7-3A17D8=ACP	V7-5F17E9-000-3
V7-1C17D8-000-3	V7-1C37D855-002	V7-3A33D8-000-1	V7-5F23D8-636-1
V7-1C17D8-002	V7-1C37E9-207	V7-3E14E7-000-1	V7-5F27D8
V7-1C17D8-015-1	V7-1C39E9=TEC2	V7-3E17D8	V7-5F27E9
V7-1C17D8-015-1=AR	V7-1E15D8-022-1	V7-3E17D8-000-3	V7-5F27E9-000-2
V7-1C17D8-022	V7-1E29D8-022-1=AC	V7-3E17D8-148	V7-5F37D9-000-1
V7-1C17D8-048	V7-1E39D8-000-2=AC	V7-3E17E9	V7-5F37E8-000-1
V7-1C17D8-201	V7-1F37D8-271-1	V7-3E17E9-022	V7-5F37E9-000-1
V7-1C17D8-201=CE	V7-1H15D8-000-2	V7-3E17E9-143-1	V7-6A17D8-057
V7-1C17D8-207	V7-1H15P02-000-2	V7-3E19E9	V7-6A28D8C1-1
V7-1C17D8-207=CE	V7-1H15P02-000-3	V7-3E19E9-000-1	V7-6C13D8-132
V7-1C17D8-263	V7-1H25P02	V7-3E19E9-263	V7-6C17D8
V7-1C17D8-294	V7-1H35D8-000-3	V7-3E27E9	V7-6C17D8-000-2
V7-1C17D8-295	V7-1H35P02-000-1	V7-3E29E9	V7-6C17D8-048-1
V7-1C17D844	V7-1K20E9	V7-3E29E9=TEC2	V7-6C17D8-057

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V7-1C17D844-429	V7-1K29E9-000-2=WH	V7-4A10E9-000-1	V7-6C17D8-162
V7-1C17E9	V7-1K29E9=ACP	V7-4A13E9-000-1	V7-6C17D8-263
V7-1C17E9-201	V7-1K30D9-000-1	V7-4A17D8	V7-6C17D8-439
V7-1C17E9-207	V7-1X1AD8-304	V7-4A17D8-407	V7-6C17P02-263-1
V7-1C17E9-292	V7-1X1AD9C1	V7-4A17E9-000-1	V7-6C18D8-002
V7-1C17E9=TEC5	V7-1X2AD8-000-1	V7-4A17E9A8-1	V7-6C18D8-048
V7-1C17P02-263	V7-1X2AD8-000-3	V7-4A17E9B4-000-1	V7-6C23E9-398
V7-1C18D8	V7-1X2AD8-048	V7-4A18E9	V7-6C26D8-000-1
V7-6C37E9-036	V7-1X2AD9C2	V7-7C19D8-640	V7-6C27D8-048
V7-6C39D8-002	V7-7A19D8	V7-7H15D8-263-1	V7-7H25D8-263-1
V7-7A19D8-374	V74A17E90001=HO4		