



Final Product/Process Change Notification

Document #:FPCN24915X

Issue Date:03 Nov 2022

Title of Change:	Gold Wire Diameter Change			
Proposed First Ship date:	08 Feb 2023 or earlier if approved by customer			
Contact Information:	Contact your local onsemi Sales Office or Esther.Lau@onsemi.com			
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.			
Additional Reliability Data:	Contact your local onsemi Sales Office or ChangKit.Mok@onsemi.com			
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com			
Marking of Parts/ Traceability of Change:	Datecode			
Change Category:	Assembly Change			
Change Sub-Category(s):	Material Change			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
None		External Subcon		
Description and Purpose:				
Au wire diameter change.				
Change Table:				
	From		To	
	IR die	PTR die	IR die	PTR die
	Wire size (mil)	Wire size (mil)	Wire size (mil)	Wire size (mil)
Grouping 1	1.2	1.0	1.0	0.9
Grouping 2	1.2	1.0	1.2	0.9
Grouping 3	1.2	1.2	1.2	1.0

Group 1 Affected Part Numbers:

FOD617B	FOD817A300	FOD817B3SD	FOD817D	FOD817X-5701W
FOD617B3SD	FOD817A300W	FOD817BS	FOD817D300	H11A817B300W
FOD617C	FOD817A3S	FOD817BSD	FOD817D300W	H11A817B3SD
FOD617C3SD	FOD817A3SD	FOD817C	FOD817D3S	
FOD817	FOD817AS	FOD817C300	FOD817D3SD	
FOD817300	FOD817ASD	FOD817C300W	FOD817DS	
FOD817300W	FOD817B	FOD817C3S	FOD817DSD	
FOD8173S	FOD817B300	FOD817C3SD	FOD817S	
FOD8173SD	FOD817B300W	FOD817CS	FOD817SD	
FOD817A	FOD817B3S	FOD817CSD	FOD817X-5700W	

Group 2 Affected Part Numbers:

FOD814	FOD814A300	FOD814SD
FOD814300	FOD814A300W	
FOD814300W	FOD814A3SD	
FOD8143S	FOD814AS	
FOD8143SD	FOD814ASD	
FOD814A	FOD814S	

Group 3 Affected Part Numbers:

FOD852
FOD852300
FOD852300W
FOD8523S
FOD8523SD
FOD852S
FOD852SD

This change will have no impact on quality, reliability, electrical and the product will remain fully compliant. There will be no datasheet changes. Product incorporating the changes can be shipped interchangeably with existing unchanged products.



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Reliability Data Summary:

QV DEVICE NAME: FOD817S

RMS: 2205012698 / 2203011253

PACKAGE: PDIP4

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=110°C, IF=IC=10mA	1008 hours	0/231
HTSL	JESD22-A103	Ta= 150°C	1008 hours	0/231
PC	J-STD-020 JESD22-A113	MSL 1 @ 260°C, Pre TC, THB, IOL and AC for surface mount package/option only	-	0/924
TC	JESD22-A104	Ta= -55°C to +125°C	1000 cycles	0/231
THB	JESD22-A101	85°C/85%RH, IF=IC=5mA	1008 hours	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=60°C On/off = 2 min for IRLLED die only	15,000 cycles	0/231
AC	JESD22-A102	121°C, 100%RH, 15psig	96 hours	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only	-	0/30

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
FOD617B	FOD817
FOD617B3SD	FOD817
FOD617C	FOD817
FOD814	FOD817
FOD814300	FOD817
FOD814300W	FOD817
FOD8143S	FOD817
FOD8143SD	FOD817
FOD814A	FOD817
FOD814A300	FOD817
FOD814A300W	FOD817



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FOD814A3SD	FOD817
FOD814AS	FOD817
FOD814ASD	FOD817
FOD814S	FOD817
FOD814SD	FOD817
FOD817	QV
FOD817300	FOD817
FOD817300W	FOD817
FOD8173S	FOD817
FOD8173SD	FOD817
FOD817A	FOD817
FOD817A300	FOD817
FOD817A300W	FOD817
FOD817A3S	FOD817
FOD817A3SD	FOD817
FOD817AS	FOD817
FOD817ASD	FOD817
FOD817B	FOD817
FOD817B300	FOD817
FOD817B300W	FOD817
FOD817B3S	FOD817
FOD817B3SD	FOD817
FOD817BS	FOD817
FOD817BSD	FOD817
FOD817C	FOD817
FOD817C300	FOD817
FOD817C300W	FOD817
FOD817C3S	FOD817
FOD817C3SD	FOD817
FOD817CS	FOD817
FOD817CSD	FOD817
FOD817D	FOD817
FOD817D300	FOD817
FOD817D300W	FOD817



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FOD817D3S	FOD817
FOD817D3SD	FOD817
FOD817DS	FOD817
FOD817DSD	FOD817
FOD817S	FOD817
FOD817SD	FOD817
FOD817X-5700W	FOD817
FOD817X-5701W	FOD817
FOD852	FOD817
FOD852300	FOD817
FOD852300W	FOD817
FOD8523S	FOD817
FOD8523SD	FOD817
FOD852S	FOD817
FOD852SD	FOD817
FOD617C3SD	FOD817