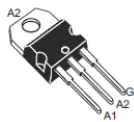
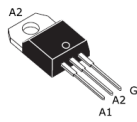


<h2 style="margin: 0;">PCN</h2> <h3 style="margin: 0;">Product/Process Change Notification</h3>			
Transfer of 800V T-series Triac housed in TO-220AB general purpose line to the TO-220AB Triac line			
Notification number:	11598	Issue Date	05/28/2019
Issued by	Richard Renard		
Product series affected by the change	TxxyyT—8T series. xx current rating (ex 8=8A, 16=16A) yy Gate current rating code (ex 35=35mA, 10=10mA)		
Type of change	Back end realization		
Description of the change The TRIAC line tooling requires a new green molding compound and lead frame change to be compatible with TO-220AB Triac line. No dimension will change. Notches are removed (See old and new shapes here below)			
 OLD shape		 NEW Shape	
Reason for change The reason of this transfer is to unify the TRIACs assembly flow.			
Former versus changed product:	<p>The changed products do not present modified electrical, dimensional or thermal parameters, leaving unchanged the current information published in the product datasheet</p> <p>The Moisture Sensitivity Level of the part (according to the IPC/JEDEC JSTD-020D standard) remains unchanged.</p> <p>The footprint recommended by ST remains the same.</p> <p>There is no change in the packing modes and the standard delivery quantities either.</p> <p>The products remain in full compliance with the ST ECOPACK®2 grade ("halogen-free").</p>		

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Disposition of former products

Delivery of current products will be done until stock depletion.

Marking and traceability

No product marking change. Traceability will be addressed by new finish-good codes (printed on labels).

Qualification complete date

W36-2019

Forecasted sample availability

Product family	Sub-family	Commercial part Number	Availability date
TRIAC	TO-220AB	T610T-8T	W36-2019
TRIAC	TO-220AB	T635T-8T	W36-2019
TRIAC	TO-220AB	T810T-8T	W36-2019
TRIAC	TO-220AB	T835T-8T	W36-2019
TRIAC	TO-220AB	T1210T-8T	W36-2019
TRIAC	TO-220AB	T1235T-8T	W36-2019
TRIAC	TO-220AB	T1610T-8T	W36-2019
TRIAC	TO-220AB	T1635T-8T	W36-2019

Change implementation schedule

Sales types	Estimated production start	Estimated first shipments
ALL CP	W40-2019	W42-2019

Comments:

Customer's feedback

Please contact your local ST sales representative or quality contact for requests concerning this change notification.
 Absence of acknowledgement of this PCN within 30 days of receipt will constitute acceptance of the change
 Absence of additional response within 90 days of receipt of this PCN will constitute acceptance of the change

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Qualification program and results

Qualification will be performed through the following Product Test Vehicle: T635T-8T and T1635T-8T
 Reliability tests will be conducted following below table:

Stress	Abrv	Reference
High Temperature Reverse Bias	HTRB	MIL-STD-750-1 M1038 Method A (for diodes, rectifiers)
AC blocking voltage	ACBV	MIL-STD-750-1 M1040 Test condition A (for SCR)
High Humidity High Temperature Reverse Bias	H3TRB	JESD22A-101
Unbiased Highly Accelerated Stress Test	UHASt	JESD22A-118 or A101
Temperature Cycling	TC	JESD22A-104
Intermittent Operational Life / Thermal Fatigue	IOL	MIL-STD-750 Method 1037
Destructive Physical Analysis	DPA	AEC-Q101-004 Section 4
Resistance to Solder Heat	RSH	JESD22 A-111 (SMD) B-106 (PTH)
Solderability	SD	J-STD-002 JESD22B102