



Product Change Notification

Current Date: 08-Apr-2020

TE Connectivity

Product Change Notification: E-20-005001

PCN Date: 07-APR-20

Customer: TTI Inc(0000139702)

Location: WORLDWIDE

Agreement: Agreement Unknown

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

General Product Description:

Solder devices as per attached list of parts.

Description of Changes

Flux change in solder preform from ROL1 flux with HBCDD to ROM1 flux without HBCDD.

Reason for Changes:

Product Improvement. Certain products within our Devices product line have been manufactured with a ROL1 flux containing Hexabromocyclododecane (HBCDD) instead of ROM1 flux free of HBCDD. ROL1 flux containing HBCDD is being replaced with ROM1 flux free of HBCDD to be compliant with applicable laws and regulations and TE specifications. We are changing to a flux that does not contain HBCDD and meets all performance requirements and complies with internal TE specifications and external agency specifications, including the applicable MIL specifications as required, in order to comply with applicable regulations. Some customers may receive mixed shipments for a few weeks as we switch flux materials.

Estimated Dates:

Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	23-APR-2020
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
	30-MAY-2020

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
004487-000	NO			"3-1190034-1", "B-150-11-S"			
050671-000	NO			"5-1190388-3", "CWT-3-W122-9"			
064743-000	NO			"9-1190488-6", "B-151-13"			
094398-000	NO			"5-1199246-9", "B-008-15CS2840"			
152435-000	NO			"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
155880-000	NO			"1191126-8", "CWT-11"			
163563-000	NO			"4-1191180-7", "B-151-07"			
176819-000	NO			"5-1191285-4", "B-150-11"			
200445-000	NO			"4-1191452-4", "B-151-11"			
222963-000	NO			"7-1191642-9", "B-150-17"			
229424-000	NO			"8-1199246-6", "B-008-14CS2840"			
270225-000	NO			"9-1191998-7", "B-150-07"			
272423-000	NO			"1192018-6", "CWT-9"			
346247-000	NO			"3-1192606-7", "CWT-5-S"			
403289-000	NO			"4-1193044-2", "CWT-3"			
442371-000	NO			"6-1193325-7", "B-051-00-01CS1980"			
486085-000	NO			"6-1193637-3", "CWT-9-W122-5"			
488267-000	NO			"5-1193653-5", "CWT-11-W122-9"			
532491-000	NO			"1-1194181-9", "CWT-13-W122-5"			
537543-000	NO			"7-1194218-9", "CWT-3-W122-5"			
587763-000	NO			"5-1194651-0", "CWT-11-W122-5"			
599556-000	NO			"9-1194739-0", "CWT-5"			

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
613507-000	NO			"1194850-3", "B-150-05"			
615595-000	NO			"1-1194864-5", "B-150-07-5"			
641207-000	NO			"2-1195068-4", "B-151-05"			
661315-000	NO			"2-1195213-8", "B-150-07-F"			
678853-000	NO			"5-1195336-6", "CWT-7"			
690886-000	NO			"8-1195424-2"			
690887-000	NO			"8-1195424-4"			
696437-000	NO			"2-1195463-2", "B-051-00-01"			
696681-000	NO			"2-1195466-0", "B-051-02-01"			
696684-000	NO			"2-1195466-4", "B-051-01-01"			
718157-000	NO			"2-1195617-8", "B-150-33"			
734267-000	NO			"7-1195734-1", "CWT-7-S"			
764619-000	NO			"6-1195952-3", "CWT-7-W122-5"			
796275-000	NO			"9-1196163-1", "CWT-13"			
854677-000	NO			"1196662-5", "CWT-9-W122-9"			
886995-000	NO			"1-1196901-4", "B-051-01-01CS1981"			
887693-000	NO			"5-1196906-0", "B-151-17"			
F94409N001	NO			"3-1200810-0", "ST18-55-9039CS2862"			

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
B-050-00/01/02	690886-000	RAY690886-000	1	
B-051-0X-01	696437-000		2	
B-150-XX	222963-000, 176819-000	RAY176819-000	3	
B-150-XX-F	661315-000		1	
B-150-XX-S	615595-000	RAY615595-000	1	
B-151-XX	064743-000	RAY064743-000	E1	
CWT-XX	678853-000, 796275-000	TYC796275-000	4	
CWT-XX-S	346247-000	RAY346247-000	3	
CWT-XX-W122-5	764619-000	RAY764619-000	C1	
CWT-XX-W122-9	854677-000, 488267-000	RAY488267-000	1	

Customer: TTI, Inc. (1305175)

Location: Maisach-gerlninden

Agreement Number: TTI001

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
004487-000	NO		RAY004487-000, TYC004487-000	"3-1190034-1", "B-150-11-5"			
050671-000	NO		RAY050671-000	"5-1190388-3", "CWT-3-W122-9"			
064743-000	NO		RAY064743-000	"9-1190488-6", "B-151-13"			
094398-000	NO		RAY094398-000, RAYB-008-15CS2840	"5-1199246-9", "B-008-15CS2840"			
152435-000	NO		RAY152435-000	"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
155880-000	NO		RAYCWT-11, RAY155880-000	"1191126-8", "CWT-11"			
163563-000	NO		RAY163563-000	"4-1191180-7", "B-151-07"			
176819-000	NO		RAY176819-000	"5-1191285-4", "B-150-11"			
200445-000	NO		TYC200445-000, RAY200445-000	"4-1191452-4", "B-151-11"			
222963-000	NO		RAY222963-000	"7-1191642-9", "B-150-17"			
229424-000	NO		RAYB-008-14CS2840, RAY229424-000	"8-1199246-6", "B-008-14CS2840"			
270225-000	NO		RAY270225-000	"9-1191998-7", "B-150-07"			
346247-000	NO		RAY346247-000	"3-1192606-7", "CWT-5-S"			
403289-000	NO		RAY403289-000	"4-1193044-2", "CWT-3"			
486085-000	NO		RAY486085-000				

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
				"6-1193637-3", "CWT-9-W122-5"			
488267-000	NO		RAY488267-000	"5-1193653-5", "CWT-11-W122-9"			
532491-000	NO		RAY532491-000, RAYCWT-13-W122-5	"1-1194181-9", "CWT-13-W122-5"			
587763-000	NO		RAY587763-000	"5-1194651-0", "CWT-11-W122-5"			
599556-000	NO		RAY599556-000	"9-1194739-0", "CWT-5"			
613507-000	NO		RAY613507-000	"1194850-3", "B-150-05"			
615595-000	NO		RAY615595-000	"1-1194864-5", "B-150-07-S"			
641207-000	NO		RAY641207-000, TYC641207-000	"2-1195068-4", "B-151-05"			
678853-000	NO		RAY678853-000	"5-1195336-6", "CWT-7"			
690886-000	NO		RAY690886-000, RAYB-050-00	"8-1195424-2"			
690887-000	NO		RAY690887-000	"8-1195424-4"			
718157-000	NO		RAY718157-000, RAYB-150-33	"2-1195617-8", "B-150-33"			
734267-000	NO		RAY734267-000	"7-1195734-1", "CWT-7-S"			
764619-000	NO		RAY764619-000	"6-1195952-3", "CWT-7-W122-5"			
796275-000	NO		RAY796275-000, TYC796275-000	"9-1196163-1", "CWT-13"			
854677-000	NO		RAY854677-000	"1196662-5", "CWT-9-W122-9"			
887693-000	NO		TYC887693-000, RAY887693-000	"5-1196906-0", "B-151-17"			
F94409N001	NO		RAYF94409N001	"3-1200810-0", "ST18-55-9039CS2862"			

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Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
B-050-00/01/02	690886-000	RAY690886-000, RAYB-050-00	1	
B-150-XX	176819-000	RAY176819-000	3	
B-150-XX-S	615595-000	RAY615595-000	1	
B-151-XX	064743-000	RAY064743-000	E1	
CWT-XX	796275-000	TYC796275-000, RAY796275-000	4	
CWT-XX-S	346247-000	RAY346247-000	3	
CWT-XX-W122-5	764619-000	RAY764619-000	C1	
CWT-XX-W122-9	488267-000	RAY488267-000	1	

Customer: TTI Inc (3164508)

Location: Fort Worth

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
152435-000	NO			"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
176819-000	NO		5-1191285-4	"5-1191285-4", "B-150-11"			
222963-000	NO			"7-1191642-9", "B-150-17"			
272423-000	NO			"1192018-6", "CWT-9"			
442371-000	NO			"6-1193325-7", "B-051-00-01CS1980"			
486085-000	NO			"6-1193637-3", "CWT-9-W122-5"			
532491-000	NO			"1-1194181-9", "CWT-13-W122-5"			
537543-000	NO			"7-1194218-9", "CWT-3-W122-5"			

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
587763-000	NO			"5-1194651-0", "CWT-11-W122-5"			
599556-000	NO			"9-1194739-0", "CWT-5"			
661315-000	NO			"2-1195213-8", "B-150-07-F"			
696437-000	NO			"2-1195463-2", "B-051-00-01"			
696681-000	NO			"2-1195466-0", "B-051-02-01"			
696684-000	NO			"2-1195466-4", "B-051-01-01"			
764619-000	NO			"6-1195952-3", "CWT-7-W122-5"			
796275-000	NO			"9-1196163-1", "CWT-13"			
854677-000	NO			"1196662-5", "CWT-9-W122-9"			
886995-000	NO			"1-1196901-4", "B-051-01-01CS1981"			

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Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
B-051-0X-01	696437-000		2	
B-150-XX	176819-000	5-1191285-4	3	
B-150-XX-F	661315-000		1	
CWT-XX	796275-000		4	
CWT-XX-W122-5	764619-000		C1	
CWT-XX-W122-9	854677-000		1	

Customer: TTI Inc (1281288)

Location: Fort Worth

Agreement Number: TTI002

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
152435-000	NO			"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
155880-000	NO			"1191126-8", "CWT-11"			
222963-000	NO			"7-1191642-9", "B-150-17"			
272423-000	NO			"1192018-6", "CWT-9"			
486085-000	NO			"6-1193637-3", "CWT-9-W122-5"			
488267-000	NO			"5-1193653-5", "CWT-11-W122-9"			
532491-000	NO			"1-1194181-9", "CWT-13-W122-5"			
587763-000	NO			"5-1194651-0", "CWT-11-W122-5"			
661315-000	NO			"2-1195213-8", "B-150-07-F"			
678853-000	NO			"5-1195336-6", "CWT-7"			
696437-000	NO			"2-1195463-2", "B-051-00-01"			
764619-000	NO			"6-1195952-3", "CWT-7-W122-5"			

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Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
B-051-0X-01	696437-000		2	
B-150-XX	222963-000		3	
B-150-XX-F	661315-000		1	
CWT-XX	678853-000		4	
CWT-XX-W122-5	764619-000		C1	
CWT-XX-W122-9	488267-000		1	

Customer: TTI Inc (168830)

Location: Fort Worth

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
152435-000	NO			"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
155880-000	NO			"1191126-8", "CWT-11"			
176819-000	NO		5-1191285-4	"5-1191285-4", "B-150-11"			
222963-000	NO			"7-1191642-9", "B-150-17"			
272423-000	NO			"1192018-6", "CWT-9"			
442371-000	NO			"6-1193325-7", "B-051-00-01CS1980"			
486085-000	NO			"6-1193637-3", "CWT-9-W122-5"			
488267-000	NO			"5-1193653-5", "CWT-11-W122-9"			
532491-000	NO			"1-1194181-9", "CWT-13-W122-5"			
537543-000	NO			"7-1194218-9", "CWT-3-W122-5"			
587763-000	NO			"5-1194651-0", "CWT-11-W122-5"			
599556-000	NO			"9-1194739-0", "CWT-5"			
661315-000	NO			"2-1195213-8", "B-150-07-F"			
678853-000	NO			"5-1195336-6", "CWT-7"			
696437-000	NO			"2-1195463-2", "B-051-00-01"			
696681-000	NO			"2-1195466-0", "B-051-02-01"			
696684-000	NO			"2-1195466-4", "B-051-01-01"			
764619-000	NO			"6-1195952-3", "CWT-7-W122-5"			
796275-000	NO			"9-1196163-1", "CWT-13"			
854677-000	NO			"1196662-5", "CWT-9-W122-9"			
886995-000	NO			"1-1196901-4", "B-051-01-01CS1981"			

Customer: TTI, Inc. (3057778)

Location: Maisach-gerlinden

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
004487-000	NO		RAY004487-000, TYC004487-000	"3-1190034-1", "B-150-11-S"			
	NO		RAY064743-000	"9-1190488-6", "B-151-13"			

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
064743-000							
152435-000	NO		RAY152435-000	"7-1191101-1", "CWT-5-W122-5", "CWT-5-W122-5"			
155880-000	NO		RAYCWT-11, RAY155880-000	"1191126-8", "CWT-11"			
163563-000	NO		RAY163563-000	"4-1191180-7", "B-151-07"			
200445-000	NO		TYC200445-000, RAY200445-000	"4-1191452-4", "B-151-11"			
222963-000	NO		RAY222963-000	"7-1191642-9", "B-150-17"			
346247-000	NO		RAY346247-000	"3-1192606-7", "CWT-5-S"			
486085-000	NO		RAY486085-000	"6-1193637-3", "CWT-9-W122-5"			
587763-000	NO		RAY587763-000	"5-1194651-0", "CWT-11-W122-5"			
599556-000	NO		RAY599556-000	"9-1194739-0", "CWT-5"			
613507-000	NO		RAY613507-000	"1194850-3", "B-150-05"			
615595-000	NO		RAY615595-000	"1-1194864-5", "B-150-07-5"			
641207-000	NO		RAY641207-000, TYC641207-000	"2-1195068-4", "B-151-05"			
678853-000	NO		RAY678853-000	"5-1195336-6", "CWT-7"			
690886-000	NO		RAY690886-000, RAYB-050-00	"8-1195424-2"			
734267-000	NO		RAY734267-000	"7-1195734-1", "CWT-7-S"			
764619-000	NO		RAY764619-000	"6-1195952-3", "CWT-7-W122-5"			
796275-000	NO		RAY796275-000, TYC796275-000	"9-1196163-1", "CWT-13"			