



# Product Change Notification

## TE Connectivity

Product Change Notification: P-21-020797

PCN Date: 22-APR-21

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:**

CCJ CABLE ASSEMBLY

**Description of Changes**

NOTE THIS PCN supersedes PCN P-21-020759 issued April 14,2021 We have received force majeure notices from service providers and raw material suppliers across the U.S due to the extreme weather conditions. To ensure the products supplement during the stage of force majeure resin shortage globally, TE has introduced an alternative material. Current Dupont material is ZYTEL , HTNFR52G30NH , Black BK337. Alternative material is KINGFA, VICNYL R430NH , Black BK003 which has been tested / qualified and fully compliant with product specifications and performance characteristics

**Other attachments:**

[QUALIFICATION TEST REPORT](#)

**Reason for Changes:**

Product improvement.1.Material shortage due to unstable supplement of raw material from resin vendors. 2.Keeping two resin vendors will provide us better flexibility on material supply and provide customer better STR.

**Estimated Dates:**

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Date To Ship</b> (Changed Parts Only):
	03-MAY-2021
<b>Last Ship Date</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	No Mixed Shipments

**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
<a href="#">2337275-1</a>	NO						

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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
<a href="#">2337275-1</a>	NO						

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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
<a href="#">2337275-1</a>	NO						

# Alternative resin change report CCJ

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EVERY CONNECTION COUNTS



# ALTERNATIVE RESIN

	RESIN SUPPLIER	GRADE	MATERIAL TYPE	FLAME CLASS	UL No.
IN USE	DUPONT	ZYTEL HTNFR52G30N H BLACK BK337, A	PA6T/66-GF30	V-0	E41938
ALTERNATIVE	KINGFA	VICNYL R430NH, BLACK BK003, A	PA6T/66-GF30	V-0	E171666



# TEST SEQUENCE AND QUALIFICATION PLAN

Sequence	Test Item	CCJ PRODUCT SPECIFICATION
TEST 1	INITIAL EXAMINATION OF PRODUCTS	Meets requirements of product drawing, and visual requirements.
TEST 2	MATING FORCE (Unit: N)	80N Max per connector
TEST 3	UN-MATING FORCE (Unit: N)	12N Min per connector
TEST 4	NUT RETENTION FORCE (Unit: N)	44N Min. for M3 nut
TEST 5	Contact retention, straight pull	30 lbf minimum for CCJ contact, no dislodging.
TEST 6	Contact retention, angled pull	30 lbf minimum for CCJ contact, no dislodging.
TEST 7	Vibrations, random	No discontinuities , no crack, break and loose part.
TEST 8	Mechanical shock	No discontinuities , no crack, break and loose part.



# Side Exit CCJ to Lug cable assembly use the Kingfa housing Cable exit both sides

## TEST REPORT

Sequence	Test Item	Sample No. 01	Sample No. 02	Sample No. 03	Sample No. 04	Sample No. 05	Results	
<b>Test 1</b>	Initial examination of product	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 2</b>	Mating force (Unit: N)	68.31	71.93	78.60	75.07	71.93	Pass	
<b>Test 3</b>	Un-mating force (Unit: N)	39.69	38.61	40.18	35.77	33.32	Pass	
<b>Test 4</b>	Nut retention force (Unit: N)	Left	299.98	279.59	299.98	289.95	285.96	Pass
		Right	298.80	262.44	294.20	298.70	299.98	Pass
<b>Test 5</b>	Contact retention, straight pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 6</b>	Contact retention, angled pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 7</b>	Vibration, random	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 8</b>	Mechanical shocks	Pass	Pass	Pass	Pass	Pass	Pass	

# Side exit CCJ to connector cable assembly use the Kingfa housing Cable exit one side



## TEST REPORT

Sequence	Test Item	Sample No. 01	Sample No. 02	Sample No. 03	Sample No. 04	Sample No. 05	Results	
<b>Test 1</b>	Initial examination of product	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 2</b>	Mating force (Unit: N)	63.90	55.27	68.60	69.97	68.50	Pass	
<b>Test 3</b>	Un-mating force (Unit: N)	31.65	35.48	38.61	40.28	39.30	Pass	
<b>Test 4</b>	Nut retention force (Unit: N)	Left	297.92	299.98	299.98	299.98	299.98	Pass
		Right	296.74	299.68	299.49	298.80	299.98	Pass
<b>Test 5</b>	Contact retention, straight pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 6</b>	Contact retention, angled pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 7</b>	Vibration, random	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 8</b>	Mechanical shocks	Pass	Pass	Pass	Pass	Pass	Pass	

## Rear Exit CCJ to Connector cable assembly use the Kingfa housing Cable Exit Both positions

### TEST RESULTS

Sequence	Test Item	Sample No. 01	Sample No. 02	Sample No. 03	Sample No. 04	Sample No. 05	Results	
<b>Test 1</b>	Initial examination of product	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 2</b>	Mating force (Unit: N)	78.50	74.28	73.7	74.68	66.15	Pass	
<b>Test 3</b>	Un-mating force (Unit: N)	42.63	51.94	44.30	52.82	37.34	Pass	
<b>Test 4</b>	Nut retention force (Unit: N)	Left	151.21	257.35	223.44	165.03	287.43	Pass
		Right	190.90	241.57	252.25	244.51	162.48	Pass
<b>Test 5</b>	Contact retention, straight pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 6</b>	Contact retention, angled pull	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	No dislodging and damage	Pass	
<b>Test 7</b>	Vibration, random	Pass	Pass	Pass	Pass	Pass	Pass	
<b>Test 8</b>	Mechanical shocks	Pass	Pass	Pass	Pass	Pass	Pass	

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**ANY  
CONNECTION  
CAN CHANGE  
THE WORLD**

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EVERY CONNECTION COUNTS

