





Device	NCP435 / NCP335		TCC-103A		NCP2811		NCP392D		NB3RL02	
Carrier Tape Details	Before	After	Before	After	Before	After	Before	After	Before	After
Supplier	3M	Avantek	3M	Avantek	3M	Avantek	3M	Avantek	3M	Avantek
Part #	3M070321	ABH118	3M079591	ABH117	3M053491	ABH116	3M077421	ABH115	3M065031	ABH155
Tape width	8	8	8	8	8	8	8	8	8	8
Pitch	4	4	4	4	4	4	4	4	4	4
Tape thickness	0.20 ±0.02	0.20 ±0.03	0.25 ±0.02	0.20 ±0.03	0.20 ±0.02	0.20 ±0.03	0.20 ±0.02	0.20 ±0.03	0.25 ±0.02	0.20 ±0.03
Pocket X - Dimension (mm)	1.09. ±0.05	1.1 ±0.03	2.05 ±0.05	2.06. ±0.05	1.67 ±0.05	1.66 ±0.05	1.42 ±0.05	1.50 ±0.03	0.90 ±0.05	0.90 ±0.03
Pocket Y - Dimension (mm)	1.09 ±0.05	1.1 ±0.03	2.33 ±0.05	2.26 ±0.05	2.17 ±0.05	2.16 ±0.05	2.10 ±0.05	2.20 ±0.03	1.75 ±0.05	1.70 ±0.03
Pocket Z - Dimension (mm)	0.76 ±0.05	0.71 ±0.03	0.85 ±0.05	0.72 ±0.05	0.73 ±0.05	0.70 ±0.05	0.76 ±0.05	0.68 ±0.03	0.60 ±0.05	0.58 ±0.03
Material Type	PC	PC Tri-Lam	PC	PC Tri-Lam	PC	PC Tri-Lam	PC	PC Tri-Lam	PC	PC Tri-Lam

**Reliability Data Summary:**

The following evaluations have been completed with the new carrier tape with passing results. Further details are available upon request:

- Visual Inspection (14000 units)
- Peel Back Test (14000 units)
- Visual Inspection and Peel Back Test After MSL1 Aging (3 lots)

**Electrical Characteristic Summary:** No changes to device electrical characteristics or performance

**List of affected Standard Parts:**

Part Number	Qualification Vehicle
NB3RL02FCT2G	NCP435FCT2G and TCC-103A-RT
NCP2811AFCT1G	
NCP2811BFCCT1G	
NCP335FCT2G	
NCP435FCT2G	
NCP392ARFCCT1G	
NCP392BRCCT1G	
NCP392CRFCCT1G	
NCP392CSFCCT1G	
NCP392DRFCCT1G	
TCC-103A-RT	
TCC-103B-RT	
TCC-103C-RT	
TCC-103D-RT	